

# Strategic Focus - Ecological Peace

## YOUR COMPLETE WORLD PEACE GUIDE



*"Dedicated to Founders' Guru Sri Sri 1008 Dasharagiri Maharaj"*

## Message from the Founder - Phuro Innovations September 2024



International days and weeks are occasions to educate the public on issues of concern, and to mobilize political will & resources to address global problems.

Phuro Innovations has embraced them as a powerful advocacy tool for South Asia.

The objective of putting together this publication has been to showcase the Will Power & Determination of Phuro Innovations to deep dive into immediate amendments that India needs to make to save South Asia from further poverty & discrimination.

In the past “The International Day of Peace” was limited to “a day of ceasefire”. Today it has evolved, and it is pointing towards the invisible enemy who we need to tackle, Climate Change. This enemy is far more dangerous, it has disbalanced the five elements of life and is killing animals, humanity and devastating the sea ecosystems as large.

Sometimes we are not able to see the invisible dangers; Climate change is one such invisible danger. This publication is not an ordinary publication, in fact it has the intention to test the intelligence of the supreme leader of this nation. Can he Win this War against Climate Change - this war is not limited to all pervading battlefields. The question is - can our leader process this information?

My recommendation would be to look at Ecology and build peace with our neighborhood to remain steadfast on the development and GDP growth. To prevent the poverty spillovers and help de-escalate climate related tensions in our neighborhoods must thus become the priority of India.

Last year we spoke about Green Hydrogen and meeting our commitments with NDC's with the New Climate Change Law. This year we have two more things to discuss.

1. Peace with Space, e.g. we had 13 plane crashes in Nepal skies, it is because the air pollution is so intense, heatwaves are capable of creating ripples in space / atmosphere like we have waves in the sea. These waves are unpredictable in nature and thus planes crash accidentally. So, we have to look at Air Pollution & Heatwaves very seriously before we regress back to the Tribal era. Globalization has been possible because of Air Travel. We are a global community today because we can meet and explore other cultures and exchange best practices.

2. Peace with the Sea - We have extracted every resource, devastating the vast resources the sea has for us. One such process is of Mineral Extraction used in manufacturing Nuclear Weapons.

Are we going to use them, they are only being hoarded to spread fear. This extra weaponry creates a negative impact on the environment, e.g. we are extracting a mineral called "Mubox" which is very dangerous if used commercially going forward.

The world should come to make the disarmament movement of the Phuro Innovations more serious and seek help from organizations like the UN & NATO. This could become a global peaceful movement where everyone must agree to save Nature. This is not a fight that can be taken to the streets, this is a peaceful attempt with the most powerful minds, who can change the course of humanity.

Nature is my Home!

Warmly

Rachna Sharma

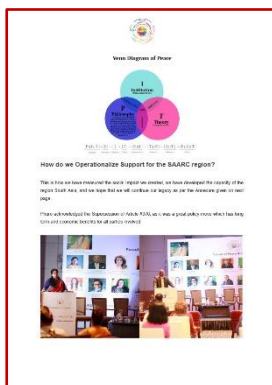
# ANNEXURE



Prabhat Prayers for Peace are a prototype based on the theory of Vedic Peace Technology developed in 1976 from the Vedic Principal of Samhitā, the unifying power of Natural Law – Yoga. This Peace Technology was validated by the findings of a team of Harvard University and Maharishi University of Management, USA published in the Journal of “Conflict Resolution”. Now more than 500 scientific studies conducted at 200 universities and research institutes in 32 countries, document that Transcendental Meditation is a rigorous, systematic, scientific procedure to eliminate individual and collective stress that underlies crime, social tensions, terrorism and warfare. This theory was further tested by the President of the Republic of Mozambique who was able to end conflict in their country and revive back the economy with the deployment of Transcendental Meditation in 1993.

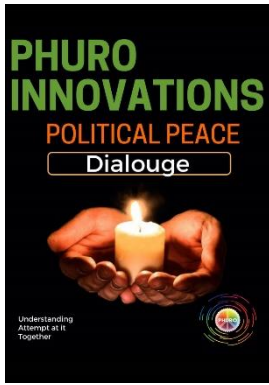
From 2016 - 2018; Rachna further studied the International Conflict Resolution Strategies, Institutions and Countries. She further compiled her views and supported them with already published research about the nations which received freedom around the same time as India. Her focus was primarily on poor British Colonies which lifted themselves out of poverty and conflict, by participating in global institutions and campaigns to benefit their people. This publication is available on Phuro Innovations’ website for review and free [download](#).

**Pages from 9 to 14 comprehensively detail Prabhat Prayers and the concept of Vedic Peace Technology.**



To maintain Peace & Harmony, Phuro Innovations further structured its work and supported the Government's move on Constitutional amendment. This was during the suppression of Article 370 & 35A. The effort was made by bringing together leaders and explaining the long-term benefits, a political peace appeal was published in newspapers and TV. This LIVE Case helped Phuro Innovations understand the political dynamics which play when we have to innovate and eradicate something which doesn't serve humanity anymore. This marked the year and welcomed Change, even though the pandemic on the face of it was difficult, which is **documented in pages 32 to 38.**





Phuro Innovations takes inspiration from God and God speaks via scriptures. Year 2020 & 2021 was the time to benefit from the pandemic, connect the region digitally and make digital communication formal and document the dialogues on political peace. This was also a very difficult time, as NATO moved out of Afghanistan and there were terrifying assumptions in the region.

The Political Peace dialogues were thus minuted giving birth to Conflict Resolution frameworks and Venn Diagram of Peace. These were LIVE cases across the South Asian region which helped us understand Political Peace.

**Pages from 15 to 30 document the minutes of meetings.**



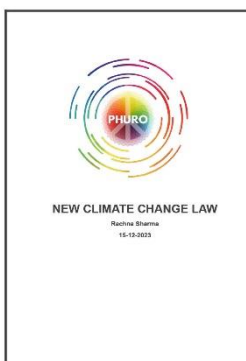
Year 2022 gave us a LIVE Case study for Institutional Peace followed by more challenges as Sri Lanka filed for bankruptcy and everyone lost hope for South Asian leftover trade and neighbouring relationships. We initiated meetings with CII requesting them to activate SAARC to reignite the region with economy and help Sri Lanka in the long term. We hosted a Sri Lankan delegate and sent an advisory to the president's office as well.

**Pages 31 to 38 highlight the Case Study in detail.**



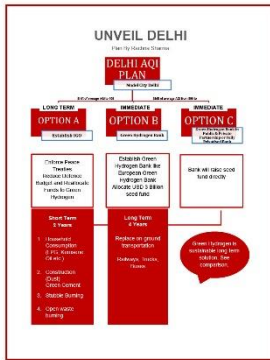
2023, we focused on energy transition as ecological peace case studies, a knowledge partnership with Enel X was signed and an event was hosted to bring the entire Green Hydrogen supply chain together to understand the roadblocks and way forward.

**In the same context, pages 39 to 43 reflect on Rachna Sharma's talk on Climate Change, Humanitarian Leadership and Political Unity.**



The primary reason for slow Climate action is inaction on NDC's locally, hence a White Paper was released on Climate Change Law.

**The white paper is listed in the pages 67 to 73.**



During India General Elections, a phased-out plan for averting Climate Change was submitted to national leaders requesting them to make this a Political Manifesto for the Government or Opposition both. As we were busy building consensus on Climate Change, both national parties were informed.

**Pages 44 to 54 enclose the advisory notes.**

**PHURO STUDY**  
**A clear Vision**  
**29 May 2024**

**Rachna Sharma**  
"महाना गांधी से ले सीखा"  
Shefali Khanna  
करता के माध्यम से शांति है"

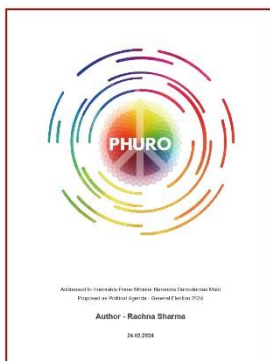
**Ecological Peace**  
Ajay Chaudhary "भाई,  
धरती माता के साथ  
शांति का मतलब  
विश्व शांति है"  
Melwyn Williams  
"युवा प्रतिभाओं को बने पीपल"

**UN peacekeeping**  
Anand Kumar  
"ने जैसा समुदाय  
की स्थापना की है."  
Request to Indian Govt  
सशक्त करनेवाला

**A NEW INDIA**  
Follow us @phuroforpeace and check out our Events Calendar for information about our new program, launching in September 2024

We also hosted a "Press Conference" reviving Mahatma Gandhi's value on Non-Violence & Peace on UN Peacekeeping Day 2024, giving ecology a strategic focus by Phuro Innovations.

**The output of Press Conference is documented in pages 78 to 87.**



We have requested the supreme leader of this nation to establish an Institution, the prototypes with LIVE Case studies are already with Phuro Innovations which thus saves time, so India doesn't have to reinvent the wheel.

**The letter can be referred on pages 55 to 66.**

*We are presenting a white paper on Space on this World Peace Day 2024 and will continue our further research in Sea and AI this year. Work in Progress ...*

# PHURO INNOVATIONS PRABHAT PRAYERS

Global Peace



Understanding  
Attempt at it  
Together



# Innovative Approach by Phuro Innovations

## WORLD PEACE FRAMEWORK

Started with a traditional approach of mapping World Peace; which was defined as Personal, Social, Institutional, Political and Ecological peace. Phuro innovations realized the need to evolve this framework to serve the present & future better. Hence technological peace and Ecological peace was further strengthened by our research



### **PERSONAL / SOCIAL PEACE**

Yoga, Meditation & Spiritual  
Connection  
Science of Epigenetic's

### **POLITICAL / INSTITUTIONAL PEACE**

Peace Treaties & Central Government



### **ECOLOGICAL PEACE**

Peace with five elements Earth, Space,  
Fire, air & sea

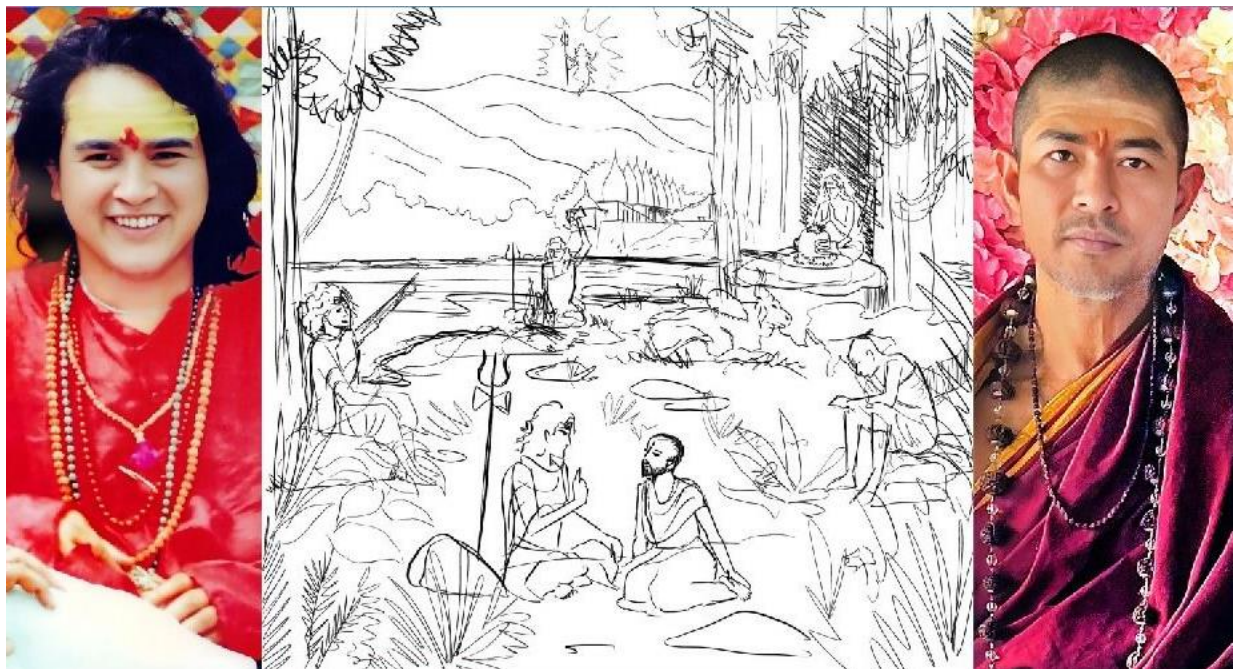


### **TECHNOLOGICAL PEACE**

AI, Cyber Security, Metaverse and  
rapidly developing technologies



# Prabhat Prayers for Global Peace



Prabhat Prayers for Global Peace is inspired by the concept called Vedic Defense Technology or Peace Technology. Maharishi Mahesh Yogi, the famous Indian born guru of the Beatles, known for developing the Transcendental Meditation technique first introduced his Vedic Defense Technology theory in 1976 based upon the Vedic Principal of Samhitā, the unifying power of Natural Law – Yoga.

The findings of a team of Harvard University and Maharishi University of Management, USA published in the Journal of “Conflict Resolution” confirmed the effectiveness of the Vedic Defence Technology and Maharishi Effect as a peace technology. According to Maharishi, when one percent of the population practices the Transcendental Meditation (TM) Programme, or the square root of one percent of the population practices the TM-Sidhi Programme and Yogic Flying, the infinite coherence of the field of pure existence is enlivened in the entire collective consciousness of the nation which creates an invincible armour of defence for the nation, which can never be penetrated by any outside negative influence. This is also termed as Super Radiance Effect or Maharishi Effect.

When Maharishi Yogi first introduced this concept, many considered it to be mystical and unscientific. Now more than 500 scientific studies conducted at 200 universities and research institutes in 32 countries document that Transcendental Meditation is a rigorous, systematic, scientific procedure to eliminate individual and collective stress that underlies crime, social tensions, terrorism and warfare. As per this logic, all we need is 1.3 crore Indian’s practicing meditation or prayers.

Violent events in recent times have not only impacted humans but also trembled Mother Earth. There were times when during war, conflict, and violence; prayers and spiritual practices used to act as a safety armor around humanity. However, now we as humans only rely on human and technical intelligence to support us in times of conflict, which in turn creates a vicious circle of never-ending violence. The day is not far when nothing on this planet will retain sanity if collectively we do not stand for Prayers and Peace seeking universal forgiveness, tolerance and compassion.

The recent terrorist attacks and mass killings e.g. in New Zealand and Sri Lanka, and as reported in India and other places globally; are testimonies that wars have evolved and are expanding their territory without any ethical or moral boundary.

To respond to such a situation, I am introducing Prabhat Prayers for Global Peace which is a volunteer-run social movement for the Spiritual Growth of people to set in a Super Radiance Effect to bring peace in the conflicted regions, we invite the ones who share with us the vision of Global Peace and believe in the concept of collective prayers to create an invincible shield of peace & positivity.















## **Case Study**

### **Decline of Violence in The Republic of Mozambique**

The Republic of Mozambique executed Transcendental Meditation Programme in 1993. By 1992, Mozambique had got crippled in the 27 years of continuous warfare. The country had become a hostage to the ruthless Cold War rivalry and a surrogate battleground for the Super Powers. Out of a population of 19 million, at least one million lost their lives and five million people became displaced. By 1987 Mozambique had got levelled to being the world's poorest country. The combination of war, ideological fanaticism and drought had brought the country to the lowest level of survivability making it dependent on international food aid simply to feed itself. Inflation touched 70% with zero economic growth.

During 1992 Mozambique's then President, Joaquim Alberto Chissano, learned the technique of Transcendental Meditation which transformed his life. It was during this period that he was able to put an end to the war by securing the General Peace Agreement in 1992. Soon he began to integrate the practice of Transcendental Meditation in the administration and armed forces of the country.

Within a short span of time, about 16,000 soldiers and 30,000 civilians were trained in Transcendental Meditation. As per the "Square Root of 1%" factor, 3,000 of these meditators were trained in advanced TM-Sidhi programme to form 435 TM-Sidhas grouped in one place to create Super Radiance Effect or Maharishi Effect.

During next two years, many of these people meditated in large groups which as per Lt. General Tobias Dai, then Commander of the Armed Forces, had helped in the maintenance of peace during those 2 years, and had made free and just elections a possibility.



However, as the military started demobilising from about 1994 onwards as stipulated in the General Peace Agreement, the larger groups also started disbanding. Dai attributed the dip in coherence to this demobilization of the troops and said, “In 1994, there was a remarkable decrease in coherence in the country as a result of decreased participation in the group practice of the Transcendental Meditation and TM-Sidhi Programme...”

Shortly post easing of the situation, President Chissano started recreating TM based coherence groups. This resulted in immediate end of the fighting and signs of economic revival. A year later, the US National Defence council dropped Mozambique from the list of conflicts in the world, and stability has since been sustained.

# PHURO INNOVATIONS

## POLITICAL PEACE

Dialouge



Understanding  
Attempt at it  
Together



# Politics – An Important Tool in the World Peace Process

## India | Nepal | Bhutan | Balochistan

Minutes of Meeting | 20 November 2021

Phuro Innovations hosted its first virtual discussion on Pursuit of Political Peace. Debuted on November 20, 2021 as a series of year-long engagements/ innovative solutions and research-oriented approach, the virtual meet brought together the thought processes of leaders from India, Bhutan, Nepal, and Balochistan; on the subject of “Politics - An Important tool in the World Peace process”.

The discussions were very fruitful and following solutions/ innovative ideas were presented by the stalwart leaders. There was a breakthrough of thoughts and out-of-box thinking, which is the real need of the hour.



### Rachna Sharma | India

*Founder of Phuro Innovations, Co-Chair of HAE India, and Alumnus of Harvard Business School*

With the demographic dividend, SAARC can be the next powerhouse by adding a structured framework/ institution which will advise the region on conflict resolution and peace treaties in the future. So Phuro Innovations wants to be that institution, structured framework and the torchbearer of advocacy bringing together the organizations, leaders, and shared philosophies that could help the region in maintaining peace. No other superpower can help us. E.g. the United Nations was established to stop world wars, however, if that is correct then there wouldn't have been wars that continue till today such as in Syria, Afghanistan & Lebanon to name a few. They are most concerned with Europe and America and have ignored the emerging nations' conflicts for a long period of time now. As a founder of Phuro Innovations, Ms. Rachna Sharma mentioned that ‘when I talk about Peace, I specifically talk about positive peace, which is attitudes, institutions, and structures that create and sustain peaceful societies’.



### Chhaya Sharma Pant | Nepal

*Former Member of Parliament of Nepal, President of ABWCI, Member of the Advisory Committee of SAARC Chamber of Women Entrepreneurs Council, and awardee of the Ambassador of Peace by Universal Peace Federation*

Ms. Sharma began on a note that despite of the existence of a special relationship between Nepal and India, the two sides have not been able to appreciate the historic bond. She underscored that the root cause of the friction between two nations is the sensitivity of the borders shared by Nepal with China, which creates susceptibility in India. In her views, bilateral negotiations is the way to solve the issues, coupled with strengthening the people-to-people and business-to-business relations given the commonality in language and culture of the two countries.

In regard to SAARC, she mentioned that people of the member states are not aware of the political, social, and economic dynamics of each other, which needs to be addressed to enhance peace



within the region. Upon being asked about the role of women in peacebuilding, Ms. Sharma mentioned that women are born with the attributes for peace, and gifts of perseverance, commitment, empathy, and mindfulness. Quoting the research that participation of women in peace process can lead upto 24% decrease in violence, she emphasised the need for increased women participation in decision making roles for greater good.

Highlighting that ballet is more powerful than bullet, Ms. Sharma opined that we'll never make everyone happy but we should first try and make everyone peaceful because only then we can discuss if there is happiness or not. She further said that wasting a lot of time fighting only brings destruction, hurt, and pain to the nations; and we should take up dialogue and negotiation as a tool to increase the efficacy of the peace process. She asserted that and finally it is only with peaceful argument that any war or conflicts can be ended and SAARC nations do not always need to depend upon outside interventions, rather peace talks should be initiated internally for faster resolutions.

Shedding light on her learnings during her training "Conflict Transformation across Cultures" at SIT, Vermont, she said that we all understand the meaning of mediation and conflict resolution, but do not understand the process. In light of the same, she recommended that governments should form special committees for conflict resolution and take them to the places which have gone through similar turmoil in their regions and have been to pull out their countries out of conflict.

Mentioning that it's high time for both the sides to review the 1950 Indo-Nepal Treaty of Peace and Friendship, she underlined that it was the recognition of cooperation and will of friendly nations that led to the formation of SAARC. Ms. Sharma further opined that SAARC nations must focus on free trade zone, collective economic security and reducing their dependency on non-regional powers. Appreciating the strengthened relations between Bangladesh and India, she emphasised on the need for India and Nepal to open border for travel and work without visas, and show greater cooperation in the education sector.

She concluded by saying that we all get to know the thoughts of business leaders or political leaders or activists and other societal and spiritual leaders; but we as leaders should also know what people want and what do they think. Peace is our innate capacity and it is time for the world leaders to take action and learn to listen to the voice of the people, fulfil your commitments, and implement your policies. Do not play with sentiment of people, do not divide them and rule for your own personal gains.



## **Kinga Tshering | Bhutan**

*Founder of the Institute of Happiness Bhutan, Former Member of Parliament of Bhutan, and an alumnus of Harvard Kennedy and Divinity schools*

Starting with brief history of the foundation of democracy in Bhutan, Mr. Tshering comprehensively described the constitutional equation of Gross National Happiness (GNH), GNH being the ultimate goal of Bhutan as a nation. Compiled by his Institute of Happiness (IOH) based in Bhutan, he described that the constitutional equation has three parameters, namely X, Y, and Z, where x and y are the two inputs (donating Environmental space & Stages of Life respectively) which go into achieving the end goal of peace & happiness (compassion, joy, and kindness as mentioned in Buddhism) leading to infinite space as z axis. He further explained the relevance of the three axis in relation to the articles mentioned in the constitution of Bhutan. He also mentioned that the constitutional equation is an attempt made by IOH to reduce the complexity of the long constitution, compiled and depicted the

simplest manner, with infinite and boundless measurement of peace and happiness as the end goal common to any society or nation or region or world at large.

In response to the query in regard to value of educational exchange across SAARC countries, Mr. Tshering emphasised that peace across the borders will result in saving the military expenditure for all the nations which can be capitalized on human development in areas such as education, healthcare etc. Further he underscored the need of the regional countries to come together and grow as a global power.

Mr. Tshering pointed out that the conflicts in SAARC region can be reduced by first acknowledging its complexity and thereafter taking steps to reduce the complexity. He underlined the importance of transparency amongst the member states and a need to break individual powershare for the common greater good of the region.

Referring to the Tip of the Iceberg model, Mr. Tshering in his concluding remarks said that Mr. Tshering said that we as humans, societies, or nations for 90% of the iceberg which is underneath the surface. In his views, we need to acknowledge this as a universal human fact which will enable us to consciously bridge the differences in our belief systems across religions, geographies and nationalities. He congratulated Phuro Innovations for pioneering the act of bringing together the leaders from SAARC nations and concluded that peace is possible by reducing the complex issues to simple issues which will enable to the leaders to choose the agendas in an easy manner and resolve the conflicts in an efficient manner.



## **Jamal Nasir Baloch | Balochistan**

*Politician & Thought Leader, Head of the Foreign Affairs Department for the Free Balochistan Movement party, Masters in constitutional law and a degree in politics and government from the University of London*

Mr. Nasir started by describing the major problem of Balochistan in his view being its occupation by force and the major roadblock in conflict resolution being non-recognition of Balochistan as equal by Pakistan.

Upon being inquired about the role of the United Nations in conflict resolution in regard to Balochistan, he argued that post the formation of the United Nations, within six months Balochistan was occupied which makes one of the first cases of occupation of a foreign land. In his view, the United Nations has been reduced to a talking plot of powerful nations which incapacitates it from resolving major conflicts in the world.

Shedding light on the dynamics of post-independence of India, he mentioned that when Bengalis aspired to form an independent nation, India came to its help whereas Balochistan was not paid heed while it asked for help from India and Afghanistan despite of the historic relations. He further underscored that colonization of Balochistan is worse than the colonization of India, given the fact that freedom fighter in India were able to live within India but people believing in the idea of freedom for Balochistan have to live in exile owing to the genocide carried out by Pakistani military, limiting them from participating in the political process.

Raising question on the political process in Balochistan, Mr. Nasir quoted that election process in the region is not just. In his views the handful leaders who want to stay with Pakistan are empowered, given an instance where the present Chief Minister of Balochistan got less than 600 votes which was in his term also reported by media. He opinionated that the world does not even know what actually the Baloch people want owing to a corrupt electoral process. He further

stressed upon the need for Baloch people to be heard and their opinion being recognized with equality.

Continuing the conversation, he expressed his opinion that Pakistan instead of fixing its own territory, always has an outside interest outside causing disharmony in the whole SAARC region. Mr. Nasir further referred to the foundation of Pakistan based upon Two Nation Theory which in simple terms can be called Political Islam, regardless of any ethnicity or race but only a religion. In his view, this is the reason that there is a clash of identities between Balochistan and Pakistan in the historical and communal context. He underlined that in SAARC nations people want to rule people, which needs to be stopped and open dialogues have to be initiated.

Mr. Nasir concluded by saying that the stakeholders of the region and the researchers around the world are trying to find solutions to the conflicts in Balochistan in particular and SAARC at large by adopting the western methodologies, whereas SAARC as a region is unique in sense of its conflicts. The stakeholders of SAARC need to frame an indigenous approach for conflict resolution, starting right from a conviction for peace as the first step.



### **Anshu Khanna | India**

Columnist and Author, Craft Revivalist, and Communications Expert

Ms. Anshu Khanna co-hosted the meeting by engaging the panelists in thought provoking discussions and but added several relevant suggestions to the panel. Ms. Khanna has won several accolades for her work one of them being the Nari Shakti award to revive the art, culture, and heritage of princely India. She has been able to find a perfect cord between the Royalties of India to a common man on the ground, connecting them via public events, which was not a thing in the past.

# Dialogue – An Important Tool in Political Peace

India | Bangladesh | Maldives

Minutes of Meeting | 29 January 2022

Phuro Innovations hosted its second virtual discussion on Pursuit of Political Peace on 29 January 2022, as a series of year-long engagements/ innovative solutions and research-oriented approach. The virtual meet brought together the thought processes of leaders from India, Bangladesh, and Maldives on the subject of “Dialogue - An Important tool in Political Peace”.

The discussions were very fruitful and following solutions/ innovative ideas were presented by the stalwart leaders.



## Rachna Sharma | India

*Founder of Phuro Innovations, Co-Chair of HAE India, and Alumnus of Harvard Business School*

Beginning with a view on peace and politics, Ms. Sharma stated that the roots of violence lies in the traditional approach of politics, a subject which people fear to talk about. In her argument, she established the need for constructively participating in the peace building process by beginning to talk about political peace peacefully.

Further, Ms. Sharma pointed out that the onus lies on the people of SAARC region to solve problems peacefully because the people of the region are naturally unified given the shared histories, cultures and to some extent the genes. Calling SAARC the potential next powerhouse owing to the region’s demographic dividend, she argued that SAARC doesn’t need to solely depend on international institutions, but create a structured framework suited to the needs of the region in order to resolve conflicts locally.

She further highlighted the vision of Phuro Innovations to act as a torch bearer of advocacy, bringing together the organizations or leaders or shared philosophies which could help the region in maintaining peace. She emphasised on the need of leaders of SAARC region to keep half a day in a month for thinking and another half a day for calling other leaders around the region, just to say hello. As per her, that would solve half the problems, and rest would automatically fall in place.

She concluded by mentioning that violent leadership relies on the absence of power to gain and sustain power, and violence arrests time and movement which is fundamental for human evolution. Calling this approach as an age-old way of gaining power through manipulation of neural connections, she underlined the need for public awareness on the science and epistemology of peace.





## **Dr Debapriya Bhattacharya | Bangladesh**

*Macro Economist & Public Policy Analyst, Distinguished Fellow at the Centre for Policy Dialogue (CPD) Dhaka, Former President – Governing board of United Nations Conference on Trade and Development, Former Ambassador and Permanent Representative of Bangladesh to WTO and UN Offices in Geneva and Vienna*

Dr Debapriya began by emphasising the need for ‘Just Peace’ rather than ‘Positive Peace’. He maintained that if you do not have “just peace” within your own country, then you cannot have it in cross-border relations either. He argued that, if there is no respect for human rights, evidence-based discourse, space for public reasoning and opportunity to solve social and political conflicts through peaceful means within a country, then harmonious relationships should not be expected in cross-border issues.

Dr Debapriya pointed out that a country’s external overtures are essentially an extension of its internal policy. The major reason why SAARC has become dysfunctional is because democratic polity has been diminished within our respective countries.

Dr Debapriya in his intervention underscored the need for a shared framework for regional cooperation. One of the basis for it could be our collective allegiance to the “Universal Declaration of Human Rights”, which allows space and voice to all stakeholders. A second element could be the “2030 Agenda for Sustainable Development” as it is a handy mechanism to regenerate the South Asian spirit of regional cooperation.

Finally, Dr Debapriya opined that for South Asia, its historical past is now more of a “baggage” and our “asset” is our shared future. However, with the upcoming 4th Industrial Revolution and technological advancements, he wondered who would take up leadership in this regard. He held that the emerging youth community in our respective countries, who are much more globalised and outward looking, would lead the future and build a “new” South Asia.

In response to a query, Dr Debapriya reckoned that the Indo-Bangla relationship is undergoing a metamorphosis and it has obtained three major achievements in the recent past, namely the Ganges water treaty, the land boundary treaty and uprooting of cross-border terrorist elements. However, there remains a strong perception in Bangladesh that India has not adequately reciprocated to our needs. On this, Dr Debapriya mentioned two outstanding issues such as stopping border killings and signing of Teesta Water Treaty.

Looking ahead, Dr Debapriya said that the future of Indo-Bangla relationship lies in giving shape to a Comprehensive Economic Partnership Agreement (CEPA), between the two countries.

Dr Debapriya ended with a congratulatory note to Phuro Innovations for acting as a forum for dialogue in SAARC.



## **Abdullah Kamaludeen | Maldives**

*Founder member of Maldives Policy Advocacy Caucus, Former Minister – Home Affairs | Fisheries, Agriculture and Marine Resources | Human Resources, Employment and Labour | Public Works and National Development | Planning and National Development | Environment and Construction; the Republic of Maldives*

Mr. Kamaludeen began on a note that South Asia region isn't the same as it was decades back in terms of political landscape, demographics, and along with a multitude of other factors. He emphasised that South Asia is the fastest growing region in the world and the epicentre in the race for global dominance. And with most of the countries in the region being highly active, he underscored the need for foreign policies to be drawn keeping in mind the long-term strategic goals objectives of a nation in alignment with the common interests of its neighbours and other geopolitical partners.

Further, Mr. Kamaludeen opined on the subject of India-Maldives relationship that both sides must refrain from leveraging their mutual relationship for political reasons. Rather, India-Maldives relations should be stronger than political changes and both sides must establish and maintain good relations with leaders on all sides of the political spectrum and both sides must ensure that the relationship is horizontal and not vertical.

In response to the query on the subject of increased radicalisation in Maldives, Mr. Kamaludeen reasoned that political instability and socio-economic uncertainty form the basis of radicalisation in Maldives, though the scale of radicalisation is not much larger in Maldives as of today the percentage is still relatively small. He further affirmed that there is a thin line between free speech and responsible speech, and with coordinated effort, responsible leadership and calculated measures, Maldives can overcome the challenge of radicalisation.

When asked about the role that Maldives can play in SAARC region, Mr. Kamaludeen highlighted hospitality and resilience as the key strengths of Maldives deep rooted in the nation's history. He mentioned that when it comes to SAARC region, Maldives can play an important role by being a neutral ground for all the national players to ease tension and find common ground through dialogue, in a very similar way that Brussels and Geneva played for Europe. He further pointed out that Maldives is naturally gifted to play this role for regional mediation, dialogue, trade and security.

Shedding light on his vision of creating innovative solutions for the challenges being faced by Maldives in today's time, Mr. Kamaludeen argued that the countries in SAACR region should look at erasing the history drenched in vengeance and open new channels of communication so that we can prosper as a region.

He concluded by saying, "war is costlier, and peace is prosperous. Create dialogue and opportunity. Make an effort to understand and stop fanning the fire." He emphasised on the region to avoid hostile acts towards each other which compels all nations to spend heavily on armaments. Rather we should be looking at collectively solving the humanitarian challenges of the region.



## **Anshu Khanna | India**

Columnist and Author, Craft Revivalist, and Communications Expert

Sharing her vision of linking craft with women development, Ms. Khanna started by mentioning about her active involvement in the conflict ridden state of Jammu & Kashmir to economically empower local crafts women. She soulfully expressed her thoughts on political peace as a chance for women to move freely, to not lose their families, and to be insulated to some extent from the devastation caused by violence.

Referring to views put by other panellists, she emphasised on the need for SAARC nations to introspect and look inwards as a region, as to what is going wrong. She concluded by emphasising on the need of the people and leaders of the region to open hearts, talk to each other and create an ecosystem of collaboration and peace.

# Asia's Young Leadership for Peace

**India | Bhutan | Sri Lanka | Nepal**

Minutes of Meeting | 23 April 2022

Phuro Innovations hosted its third virtual discussion on Pursuit of Political Peace on 23 April 2022, as a series of year-long engagements/ innovative solutions and research-oriented approach. The virtual meet brought together the thought processes of leaders from Nepal, Sri Lanka, and Bhutan on the subject of "Asia's Young Leadership for Peace".

The discussions were very fruitful and following solutions/ innovative ideas were presented by the young leaders.



## **Rachna Sharma | India**

*Founder of Phuro Innovations, Co-Chair of HAE India, and Alumnus of Harvard Business School*

Ms. Sharma began on a note by expressing the foundational idea behind Pursuit of Political Peace events as being organised with a view point of giving voice to the leaders across SAARC nations and further documenting the same to be presented to the heads of the states.

She mentioned that what our fathers or grandfathers knew was that political leadership was the only hope for their nation or region for any kind of reform; and now there is the present generation which believes in various types of leadership; they believe in leadership in education more than they believed in the political system of this region at the moment.

She further opined that the goal of the present generation is to create a movement in their respective countries for good, some kind of reform, for which they have adopted different routes. Some of them have taken education, some social leadership and social entrepreneurship and are now utilizing the political platforms to raise their voice.

She appreciated the efforts of young leaders on the panel and welcomed them to the event.



## **Tashi Chonjur | Bhutan**

*CEO & Founder, Institute for Excellence and Development | CEO, Edulink Bhutan*

Mr. Chonjur began by emphasising the need for education systems to respond to technological advancements by building capacities to upskill the entire system, teachers, students, youth at large. Referring to the 21<sup>st</sup> Century Education Roadmap laid down by the government called Bhutan Baccalaureate System that takes into consideration 21st Century technologies, he said that our education system cannot and should not respond in piecemeal interventions but rather overhaul the very system, inculcating new technologies as blockchain, virtual reality, robotics, etc. in mainstream education and skill development.

In response to the query in the historical context of destabilization of society by destroying the

education structures by foreign invaders, he opined that we cannot change the past, but future is in our hands. And the future is global, and not regional or local. Because of advancement of new technologies that transcends national borders or cultural barriers, now we have a great opportunity to develop our education system that is “globally competent and locally rooted” as we said in Bhutan. He supported his argument by referring to example set by the adoption of culture infused curriculum called “Educating for Gross National Happiness”.

Mr. Chonjur underscored that none of the SAARC Countries amongst the 20 most peaceful countries in the world according to the Global Peace Index 2021. In continuation to this he said that amongst eight parameters of Positive Peace Index, is the level of human capital in a country which is defined as a country’s stock of skills, knowledge, and behaviours. He held that to start with it is time to reflect on the education system.

He concluded by saying that it is best if we can inculcate the values of peace and development in the young minds by having values education in the schools from early developmental stages. The best way to bring changes is through education.

Ending with a congratulatory note to Phuro Innovations for bringing together like-minded people from SAARC countries for propagating peace in the region and the world in general, he said, “his piece of advice to the world leaders is to be the example to the children, which will automatically help them take the wise decisions.”



## **Vraie Cally Balthazaar | Sri Lanka**

*Politician | Social Entrepreneur | Activist | former Media Professional | Founder, Cally Products*

Ms. Balthazaar began by describing the prevalent economic crisis in Sri Lanka which as per her is the first time in the country which has seen a 30 years of violence, that there’s engagement from the youth, trying to resolve a crisis in proactive way by thinking of different ways marking non-violent protests on the streets through, arts, music, dance, acting etc. In her words, it is an interesting time for the nation to find ways to recreating Sri Lanka.

Upon being asked about the role of women in politics, Ms. Balthazaar opined that women’s engagement in politics in Sri Lanka in specific and South Asia at large is very limited because of the stereotypes prevalent in the society limiting the role of women to households and politics being seen as a non-conducive space for women. She further emphasises that it’s very important for women to build coalitions and work with not just women but also men who understand the importance of having women who can naturally bring values such as empathy and compassion on the table which will add a different perspective to policy making.

When asked about three things she would like to do if given the role of peace builder, she asserted that firstly it is imperative to have at least one language taught commonly across the nation, secondly the role of women should be highlighted in the history, and lastly following an unlearning and relearning process to fully free ourselves from the ideology forced upon our societies during colonisation.

She concluded by saying that leaders should start listening to people rather than working for themselves, and she further appreciated Phuro Innovations for acting as a forum of dialogue



bringing together leaders from across the SAARC countries which creates a space for knowledge and value exchange.



## **Pradip Pariyar | Nepal**

*Executive Chairman, Samata Foundation | Young Global Leader, World Economic Forum | Founder President, Nepal Policy Centre | Founder President, Nepal Youth Forum*

Mr. Pariyar began by shedding light on the plight of youth in Nepal who are unemployed in large numbers, a situation similar to other SAARC nations. In his views, there are always two issues concerning youth, violence and security and mostly they are seen as recipients. Rather as per him it is high time that youth should be seen as partner in peace building; political, economic and social reforms. He further affirmed that given the cultural and historic similarities amongst SAARC countries, the regional countries should show more solidarity towards each other rather than finding temporary solutions in the west driven approach.

In response to the query on the root cause of marginalisation of people, he attributed the source in caste based ideology systems in South Asia. He further opined that it is only by making this issue as everyone's issue is how we can find solution to this problem and SAARC can play a leading role in solving this problem which is also slowly engulfing the western nations.

When asked about things he would like to do if given the role of peace builder, he emphasised on the need for SAARC nations to focus on finding commonalities rooted in culture and history rather than building differences. He moreover stressed on opening channels to connect and exchange youth and knowledge across the SAARC region which has the potential to heal differences amongst the nations. He also asserted the need for SAARC region to act like European Union with borders open for trade and tourism.

Appreciating the efforts of Phuro Innovations in bringing together the ideas and philosophies across the SAARC region, he concluded by saying that the future of humanity lies in the hands of today's younger generation which will pass the torch to the future generation. He further mentioned that leaders need to engage the youth and invest in them. And world leaders need to rethink how they are doing things so that we can create a peaceful world.

# Economic Interdependence in SAARC

India | Pakistan | Sri Lanka

Minutes of Meeting | 21 July 2022

Phuro Innovations hosted its fourth virtual discussion on Pursuit of Political Peace on 21 July 2022, as a series of year-long engagements/ innovative solutions and research-oriented approach. The virtual meet brought together the thought processes of leaders from India, Sri Lanka, and Pakistan on the subject of “Economic Interdependence in SAARC”.

The discussions were very fruitful and following solutions/ innovative ideas were presented by the stalwart leaders.



## Rachna Sharma | India

*Founder of Phuro Innovations, Co-Chair of HAE India, and Alumnus of Harvard Business School*

Ms. Sharma began on a note that SAARC is ready for peace, given the fact that leaders from SAARC nations are coming forward and documenting their thoughts with Phuro Innovations. She underscored that for generations the SAARC region has faced brain drain, and the support of thought leadership in the region is

a positive sign for peace in the region.

As per her, mundane problems like conflict have eaten up the region and these problems are not new. Historically the world has faced them in different times in history in different ways. However, there were thought leaders to snap nations out of these problems so that they could progress as nations and regions. She cited the example of the historic animosity between Germany and France, which in today's time form the foundation of European Union as a regional force binding nations together.

She further opined that SAARC has a comparatively more peaceful and friendly history and none of the nations were ever enemies. As per her the SAARC nations are merely facing certain constraints which need to be resolved. It is for this purpose that the project of “Pursuit of Political Peace” was initiated through which the regional problems can be documented, and frameworks can be developed to solve the issues.

She underscored that economic interdependence is a proved framework in all violent regions so far and same can be a solution for the resolving conflicts in SAARC.

Post four virtual meetings, Phuro Innovations will culminate the project into an annual event where participation from leaders across the SAARC region is anticipated. She concluded by saying that it is the time for South Asian countries to awaken and stand for our shared roots, history, genetics, culture, and a bright future.



## **Ehsan A. Malik | Pakistan**

*Chief Executive Officer, Pakistan Business Council; Alumnus of Harvard Business School*

Mr. Malik began on a note that he has spent several years working across various nations in SAARC, and in his belief there's more that unites the region than that divide. Emphasising on trade in respect of SAARC, he mentioned that less than six percent of the trade in South Asia happens with each other which is very unfortunate since most of the SAARC countries produce items where they compete with other leaving less space for the countries to export to each other. He further opined that there is a lot of potential of trade between SAARC countries and unless there is trade between the countries, it is very difficult to build relationships even though there are ancient cultural ties between the regional countries.

Responding to a query regarding social crisis within SAARC countries, Mr. Malik underscored that irrespective of the political differences amongst the regional countries, travel and tourism should be boosted to create connect and communication across multiple platforms such as culture and literature. In respect of India and Pakistan, both the countries can start by allowing people of certain age to be issues visas given the lower risk from a lower risk from a security point of view.

Mr. Malik pointed out that it is important for the regional countries to exchange knowledge and best practices with each other for economic interdependence. Citing the example of exchange of delegations of Confederation of Indian Industry and Pakistan Business Council across the borders, he opined that such discussions to exchange information and knowledge are vital components of economic interdependence amongst the regional countries.

Looking ahead, Mr. Malik said that as per his school of thought, direct trade between India and Pakistan will boost innovation in Pakistan and would reduce the cost of logistics and transportation against the present import of products from China.

Mr. Malik congratulated Phuro Innovations for facilitating dialogue amongst the SARC nations and concluded by saying that till we are talking, we have hope; and when we stop talking, we loose hope. A momentum towards openness and accommodation must be built and all the SAARC countries would benefit.



## **Dr. Rohantha Athukorala | Sri Lanka**

*President, Clootrack – Sri Lanka, Maldives and Pakistan; Former Executive Chairman, Sri Lanka Tourism; Former Executive Chairman, Sri Lanka Export Development Board; Alumnus of Harvard Kennedy School Sri Lanka*

Dr. Athukorala on a note that the intra-regional trade in relation to population in SAARC is considerably low as compared to ASEAN, EU and NAFTA. Expressing his concern for the upcoming recession around the globe as predicted by international institutions, he mentioned that it is vital for the SAARC nations rather than looking for debt from foreign nations or institutions,



need to contemplate on the kind of reforms needed within the countries. He further opined that the SAARC region has the best brains in the business world, but what it lacks is the integrated approach of political system and businesses in order to become sustainable economies. Citing the study of World Bank as per which the economic health 61 countries inclusive of countries or federal states within nations in the SAARC countries are going to sink the Sri Lanka way, he emphasised on the immediate need to restructure the systems, for example by reducing defence expenditure and routing the same towards other developmental needs.

Shedding light on the need to remove non-tariff barriers between the SAARC nations, Dr. Athukorala suggested that business should be driven from South of India to the industrial zone in north Sri Lanka and secondly, exports from Sri Lanka should be opened to the middle-income population in India. He also underscored that with upcoming recession in the western world, the SAARC nations should take the opportunity to minimize trading the raw material and rather trade the brands amongst the nations coupled with a political will to do so. He repeatedly emphasised on the need of aggressive thinking in the present minds and bringing structural reforms in the SAARC ecosystem.

Citing the example of the contribution of the youth in the fight against present economic crisis in Sri Lanka, he reckoned that it is time for the young generation to shoulder the responsibility of nation building, provided they are well trained and mentored.

Dr. Athukorala further underscored that the foundational structures are already in place for SAARC, with institutions constitutionalised. All that is required is to operationalize the same. As per him, even if few plans as per SAARC framework are realized coupled with the participation of private sector, they have the potential to bring ripple effects within the region.

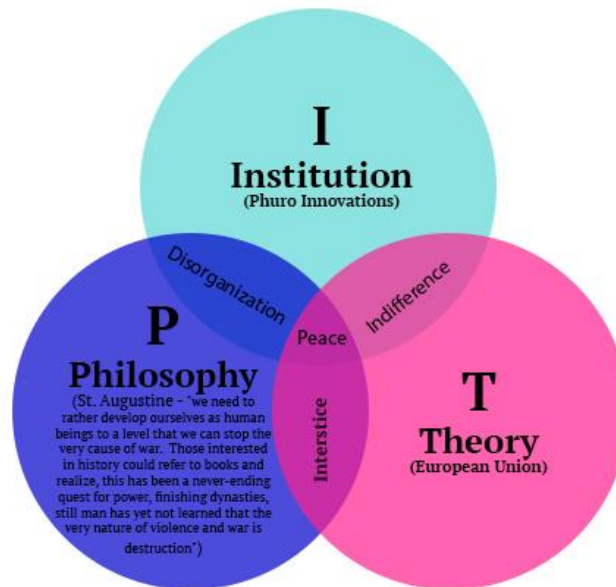
In response to a query, he mentioned that India should be the flag bearer of knowledge exchange given the strong education system and industrial landscape.

Dr. Athukorala advised that proper data should be disseminated amongst the neighbouring nations to boost economic interdependence and avoid the rumours disturbing the business dynamics amongst the regional countries. Furthermore, he suggested that tourism should be empowered amongst India and Sri Lanka, especially in regard to spiritual tourism.

In his conclusion remarks, he mentioned that rather than giving aid to Sri Lanka, India should open the line of credit for trade and open export market for Sri Lankan products in India. In relation to Sri Lanka – Maldives relationship, he focussed on the need of boosting tourism between the two countries, and in regard to Pakistan & Sri Lanka, he pointed out the need of further strengthening the free trade agreement. In respect of Bangladesh, he expressed his contentment over the knowledge and talent transfer between the two countries; and to further the bilateral trade and tourism with Nepal.



## Venn Diagram of Peace



$$|P \cup I \cup T| = |P| + |I| + |T| - |P \cap I| - |T \cap P| - |I \cap T| + |P \cap I \cap T|$$

Territory    Philosophy    Institution    Theory    Disorganization    Interstice    Indifference    Peace

### What is Phuro Political Peace?

Phuro Political Peace is an economic process in the background of a structured dialogue for political peace in South Asia. This is to contain conflict and sustain peace in a hostile territory. Phuro Political Peace has proposed the “Venn Diagram of peace”.

### Philosophy for SAARC Region — St. Augustine

The Theologian and philosopher St. Augustine said “we need to rather develop ourselves as human beings to a level that we can stop the very cause of war.

### Theory for SAARC region — Example — European Union

A “good” theory should be generative of new ideas and discoveries. It should be testable, coherent, economical, generalizable, and explain all of these characteristics.

In anticipation of accelerated globalization and against the background of the end of cold war and reunification of Germany, an internal single market was established through a standardized system of laws that apply in all member states in those matters, and only those matters, where the states agreed to act as one. The European Union (EU) is one such treaty.



## POLITICAL PEACE DIALOGUE - SAARC



Mr. Kapil Chopra  
Founder - EazyDiner &  
The Postcard Hotel



Mr. Sheran Fernando  
Economist, Co-founder - Innosolve  
Sri Lanka, HBS Alumnus



Mr. Sourabh M. Shaw  
M.D., MAKS Group  
HBS Alumnus



Ms. Rachna Sharma  
Founder, Phuro Innovations  
Co-Chair, HAE India



Mr. Ashish Kumar Singh  
Editor - Foreign Affairs,  
ABP News



Mr. Samir Shah  
Managing Director,  
Peak Venture Partners

21 September 2022 | Kiran Nadar Museum of Art, Saket | 5 PM Onwards



# Phuro Innovations - Project SAARC

## Framework for Conflict Analysis

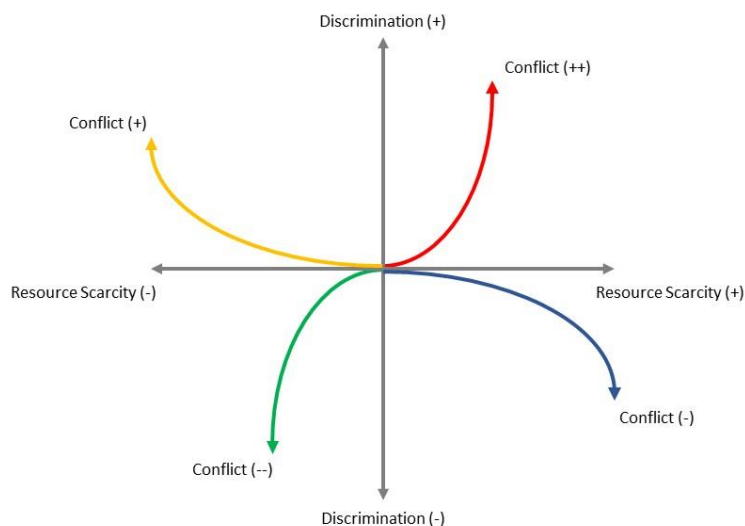
Post the Political Peace Dialogues, Phuro Innovations created two frameworks;

- Conflict Management Framework
- Venn Diagram of Peace

While the task seemed challenging, yet we achieved it. Here is a framework to understand the root cause of conflict in SAARC. In the present scenario, States and leadership are unable to differentiate between causes and symptoms of conflict, hence conflicts take all kinds of avatars; social, economic and trade related.

Hence, we have outlined two major factors which need to be eradicated by financial and economic growth of all societies, creating equal opportunities of financial freedom for all mankind. Poverty becomes a major cause of state's low confidence as it gets discriminated within its own region.

### Solve the Cause and there will be No Symptoms



1. **DISCRIMINATION** - It's discrimination towards minorities which be ethnic groups/ indigenous tribes or minority cultures within one minority group which considers itself separate and are not treated equally. For Example we need to review the ARTICLE in Constitution of India (scheduled to be reviewed in 2026) for tribes in Assam, since the constitution was formed, they were left out for receiving benefits even when they were now the Republic of India. Hence the Government must look into this fairly and amend it accordingly.

2. A section of society lacks basic food and water. They have no choice but to resort to conflict due to frustration and hard life. At times they are even misused by their own states / external organisations / nations for street riots etc as this is the only source of income in such an underdeveloped situation.

Solve the cause and there will be no symptoms.

Both factors above have solutions in developing regional trade, accepting digitization, border less trade - Reviving the dying Art, Craft, music and participating in future technologies like Green Hydrogen. Energy Transitions are usually the very big factors, which overnight change territories. India runs an energy deficit and imports its Oil & Gas - we must start producing our own green energy in the region to overcome this deficit in the long run.

Another Example to understand post conflict resolution could be the European Union. Here is a great example of two countries who were enemies not only during the World War's but also in the 19th century, they had multiple brutal fatalities and wars. That is correct. It was France and Germany. And today they are best of friends, and one cannot imagine the European Union without them.

### A Great Example – France & Germany

France & Germany choose Enmity for centuries but today no one can imagine European Union without them.



If we look at conflict in South Asia, then Pakistan is interested in the outcome of the conflict, by taking a territory under their control. The contentious region Kashmir would now not get autonomy as it is legally a part of Republic of India, hence we should now look at perhaps creating a Union between the entire South Asian nations.

In 21st century, where Courts have replaced battle fields, we have already won this battle. So why continue the bloodshed. We can rather invest the defence budgets in averting climate change and

creating positive peace Institutions which build business relationships in the region and help in establishing peace.

The Ministry of External Affairs is not enough as it also has to look into several other priorities. In a sensitive region which has been partitioned several times, needs a new Institution only tending to the wounds of this partition. By showing care and compassion and stopping the outsiders to misuse our demographic dividend. World Peace sounds magnanimous; however, the data is positive which we have already mentioned in our first publications. PEACEBOOK - The Past, Present & Future of Peace.

**Question** - In that publication Phuro Innovations asked a question: how can we make it better?

**Answer** - Here is this guide of World Peace, with prototypes which have worked and shown positive impact, at a larger platform it can only become better.

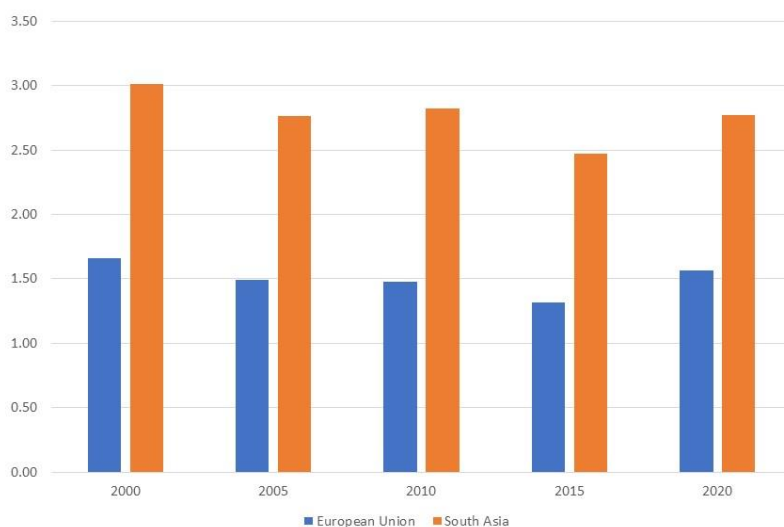
Today the future is looking into our eyes; CHOOSE to be a cause of conflict or be a cause of peace.

Hence it is time we realize that peace is a more profitable proposition, and we need resources like Investment which is called money to be used in constructing Future.

This Graph below, shows how much we spend in destruction - destroying our own people.

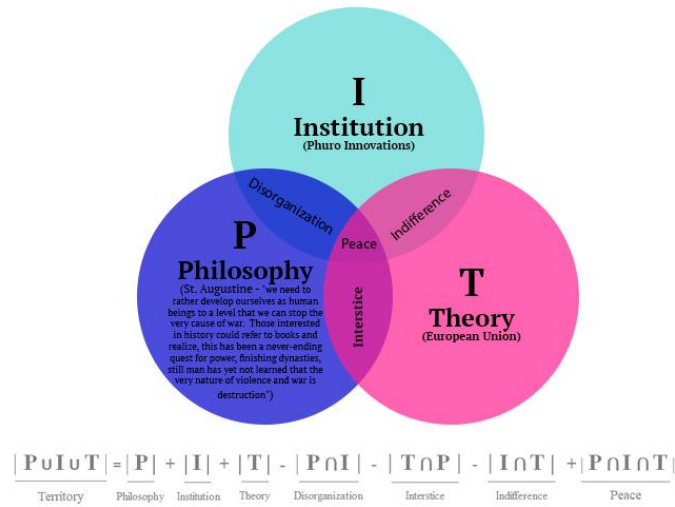
### Military Expenditure as % of GDP – EU vs SAARC

A large chunk of GDP of SAARC is being spent on border security and defense, which could have easily been invested in eradicating the causes and factors of conflicts. Hence it is time we realize that peace is a more profitable proposition, and we can adopt the tactics and dialogue process like the European Union.



In these classic cases, the entire world is a third party who will be affected by this outcome, as it will develop the India Story once again. United we stand Tall.

## Venn Diagram of Peace



## How do we Operationalize Support for the SAARC region?

This is how we have measured the social Impact we created, we have developed the capacity of the region South Asia, and we hope that we will continue our legacy as per the Annexure given on next page.

Phuro acknowledged the Supersession of Article #370, as it was a great policy move which has long term and economic benefits for all parties involved.





## Analysis post showcasing both frameworks.

1. Conflict Management Framework
2. Venn Diagram of Peace

For political peace seekers, the continuous dismissal of SAARC's Annual Summit has repercussions that have deep roots and an even deeper impact on the power balance within this region. India for the longest has been the king of this political jungle and pulling the plug from an organization is stopping itself from being a peace leader which is the only hope for peace in this region (SAARC).

Let us study further what really has happened to this region, a larger macro theory has impacted the microfiber of today's society, we have forgotten that peace was the foundation for this region. India since the era of Mahatma Gandhi and before, has stood for peace and ensured it prevailed in this highly volatile and fragmented region of the world. However, history has shown that once again time has unfurled a great opportunity in its hands to save humanity and to save this region.

The questions we need to deliberate upon are, why has political diplomacy failed in this region, or why this region has persistent violence, and why this region is being highlighted as one of the most dangerous zones of the world.

One of the perspectives one can say is that every time a political situation arose, the politician chose conflict over conciliation. When there are reasons for conflict, there are equivalent reasons for conciliation also. Each time a piece of academic advice came it pushed hostility and vengeance through its every vein in the region rather than choosing to resort to forgiveness and peace.

This region clearly knows what a politician wants, what a social leader wants, or what a business leader wants, however, this region doesn't know what the people of this region want. With demographic dividend being on our side, we have the potential to be the next superpower like the European Union - why are we not jumping on this opportunity of futuristic visionary leadership for the region.

I will try to get to the root of this problem via the international relations theories which perhaps were applied to this region when the political institutions were formed which led us to this disastrous situation. Perhaps It is Westphalia.

In Europe, the Thirty Years' War ended with the Treaty of Westphalia in 1648, which changed the map of Europe irrevocably. The peace was negotiated, in 1644, in the Westphalian towns of Münster and Osnabrück.

The Spanish-Dutch treaty was signed on January 30, 1648. The Peace of Westphalia established important political precedents for state sovereignty, inter-state diplomacy, and balance of power in Europe.

When I study this region, I blame it on Westphalia. Westphalia said, "wars can't be avoided and just wars must exist". Whose realm is his religion? That's exactly what is happening here.

The world has moved on, but SAARC is stuck in time. A political study should have been conducted, the political theories should have been updated; to begin with, Westphalia should have never been applied in this region without keeping in mind the shared values of the region and carefully choosing another set of values that could have made the transition easier for us.

For example, knowing our regional values we could have applied or evolved on the theory of wars by St. Augustine; he said "we need to rather develop ourselves as human beings to a level that we can stop the very cause of war. Those interested in history could refer to books and realize, this has been a never-ending quest for power, finishing dynasties, still man has yet not learned that the very nature of violence and war is destruction".

When you study Europe and its wars, you realize that eventually 50 years after the second world war & at the end of all devastation, Europe with the most gruesome history came together. A new theory of international norms and rules was formed. And based on that the west established institutions like the European Union.

SAARC is at the same point in history today and we do not have 50 years more. We need to take action now.

Historically, SAARC as a region has flourished at some point with different borderlines, however, the transition from kingdoms to democracy was not smooth. It went through invasions, slavery, treachery, and all kind of things. Including reshaping of geographies which lead to wars. The partition happened, the two wars between India and Pakistan also took place. 1949 saw the UN establishing a ceasefire line following the Indo-Pakistan war of 1947.

75 years hence the hostility and antagonism continue, and it is relentlessly marching towards its own disaster.

Let's take an example of Balochistan, how Westphalia has taken their peace of mind, and what should have been their own theory of international peace and peace with other parts of the region?

When you realize that politicians in Balochistan are in exile; without whom the people of that region are lost, directionless and under dictatorship. Balochistan does not identify or recognize Pakistan as a state however it has no voice of its own.

And so many examples like Kashmir, Sri Lanka, Maldives & Afghanistan. When you go to these regions and try to understand the problems, all are similar in nature. Each region is trying to find its identity by applying Westphalia, rather than evolving to a better ideology of its own, which should work for its people.

In the ethics of the United Nations, the forceful occupation of Pakistan on Balochistan is a clear violation of the UN Charter of Sub article IV which says, "you cannot invade a country nor can you use force to occupy them".

Balochistan was one of the first cases of illegal occupation under international law where the United Nations turned a blind eye. The United Nations also turned a blind eye to the Kashmir issue and gave it a political identity and roadmap rather than solving it legally. This happened when former Prime Minister of India Pandit Jawahar Lal Nehru went to this new Institution with hopes of solving a problem that was leading to wars. A constant fight over these regions has soaked the geography with the blood of millions. We are absolutely indifferent.



My appeal is that we need to take action on evolving toward a new political philosophy/ theory and establish an institution that would implement that throughout the region.

And till we get there, SAARC needs to negate violence, we need to find political peace till we find a solution.

And to get there we will have to then brainstorm and find solutions from people and apply them based on the universal life values of this region.

What should matter to SAARC right now should be the pursuit of Peace.

If religion which has been highlighted in SAARC's violence is the truth, then Balochistan by now would have identified with Pakistan and accepted it. We need to think and think differently and work for political peace.

SAARC is important but to give it teeth we need to redefine it with Political Peace.

# PHURO INNOVATIONS

## ECOLOGICAL PEACE

Green Hydrogen



Understanding  
Attempt at it  
Together





# RACHNA SHARMA'S STRAIGHT TALK ON CLIMATE CHANGE, HUMANITARIAN LEADERSHIP AND POLITICAL UNITY

**RACHNA'S** thought behind Phuro Innovations is really inspiring. She established this platform with hard work & persistence, faced by several changes because she wanted to create inspiration. She has often quoted "to stay inspired" as her purpose at Harvard Business School.

**P**huro is a platform that has been created for a purpose. The driving force behind Phuro Innovations is its deeply rooted passion for addressing the consequences of ongoing conflict and violence in South Asia. With its origins in the founder's personal experience of childhood trauma amid terrorism in the Hindu Kush Himalayan region of Jammu & Kashmir, the company's compelling mission transcends financial gain or recognition. Established through a world peace campaign in 2015, Phuro Innovations has since evolved into a formidable expert in the energy sector now. By championing the Green Hydrogen economy, the company aims to not only combat climate change but also foster global peace, making a lasting and significant impact on our world.

## What Phuro Inspires To Do

Phuro inspired citizens of South Asia to create the Union of South Asia. It wants to create a loose grid and a long chain of goodness, irrespective of size, title, or valuation. All are welcome to join the grid and enjoy its mysterious air, inspired by the soil's Gods and Saints. The branding which I noticed on her publication and photo booth is compelling and has piqued people's interest.

## Political Peace Dialogues

For over four years, Rachna has meticulously analysed and compared the progress of nations that were poor British colonies & gained independence around the same time as India. Through her comprehensive work on already available research, she has highlighted how these countries have successfully emerged from poverty and conflict by actively participating in global institutions and campaigns for the betterment of their citizens. This publication called Peacebook is the foundation for all the work you will see Phuro will achieve as milestones in the coming years.

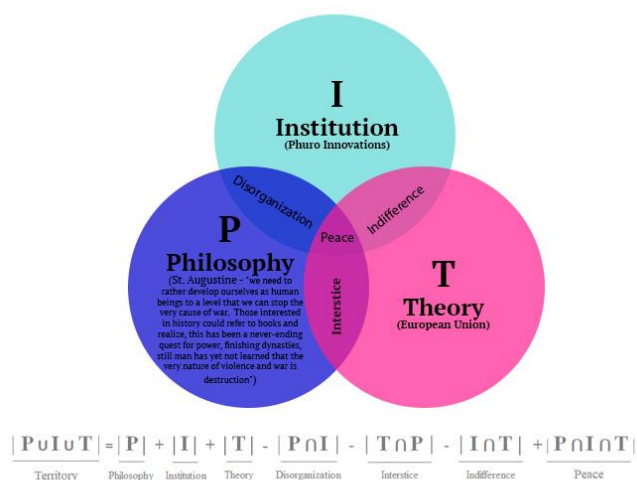


Based on that inspiration, In 202, Phuro Innovations introduced "Political Peace Dialogues" to foster constructive conversations and develop conflict resolution strategies in South Asia. These dialogues brought together a diverse group of stakeholders, including scholars, diplomats, politicians, social activists, business leaders, and government officials, all brought together by the efforts of Rachna.

Through thoughtful deliberation and discussion, participants explored innovative approaches to promote regional stability and cooperation. These recommendations have been meticulously documented and are available on [www.phuroinnovations.com](http://www.phuroinnovations.com).

Besides supporting the United Nations' International Day of Peace every year, the brand developed several frameworks, white papers and articles. Phuro Innovations thus proved the interconnection of Positive Peace and its indicators in an equation suggesting to reduce the region's political conflict and increase economic interdependence to dominate the New World in the coming years positively. That was proved via a Venn Diagram of Peace. The Venn Diagram/ Equation of Peace further highlighted the institutions' task to foster the Union of South Asia assuming European Union as its theory

## Venn Diagram of Peace



and St Augustine as its Philosophy.

As a result, Rachna was ranked as South Asia's top Ten Thinkers by Mid-Day, and Outlook magazine also recorded the intent of Phuro Innovations to foster the Union of South Asia. An international publication CPNN named Rachna Sharma as "Thought leader for World Peace". The Culture of Peace News Network (CPNN), a project initiated by the United Nations, based in France, including: – those who edited the World Civil Society Report for the United Nations Decade on the Culture of Peace. The founder and president of the Corporation is David Adams, initiated CPNN at UNESCO during the 1990s. In social impact Rachna's voice was recognized by LinkedIn and they sent her an award for LinkedIn's most powerful Social Impact Profile in 2018. As an alumni volunteer, currently she is also the Co-chair of Harvard Alumni Entrepreneurs South Asia Chapter.

### Awards And Nominations For Phuro

Phuro Innovations was also nominated as "Promising Political Thought Leadership for Economic Policies in South Asia" for Asia-UK Business Meet & Awards 2023 held at House of Commons, UK.

### Phuro And Climate Change

Phuro Innovations had to prioritise, evolve, and accept change. With rampant climate change we are witnessing the repercussions of delay in our Climate Policies or Climate Funding. It is time we make peace with the environment first. As per the most credible reports on climate change from World Bank, IMF Dashboard, and ICIMOD on the melting twelve glaciers of Hindu Kush Himalayan Region, Phuro Innovations established further that South Asia is one of the biggest threats to world peace today.

And it is time to rise for the Himalayas and focus on three SDGs simultaneously addressing SDG 13 - Slow Climate Action, SDG 16 - Absence of Peace, Justice & Strong Institutions, and SDG 7 - Little or No access to Affordable

Clean Energy. Phuro Innovations is now focused on getting cooperation within the country and region on climate change and acceleration of Green Hydrogen economy.

South Asia was left behind in the second industrial revolution when the world found coal. The upcoming green revolution is taking place where Green Hydrogen will be the oil of the future. Hydrogen fuel can be a game changer for the energy security of South Asia which includes a country as vast as India, which imports 85% of its oil and 53% of gas requirements.

### What Resources Do You Need

Acceptance of renewable energies / Green Hydrogen by the South Asian heads of states. Through a continuous engagement we will discuss deliberate and understand issues deeply and create frameworks to resolve them for South Asia.

### How Phuro Works

One of the actions you have to take is to connect with Phuro Innovations to get advice from its on boarded experts. We will hand hold you through the Green Hydrogen market, its technologies, methodologies, infrastructure, investment, and supply chain opportunities. Our first customer is someone who is way past ready to enter the climate change industry but has been confused with information available in the market or half-baked marketing on social media. If you have not got time to read the reports on Green Hydrogen, we have your back. Reach out to us and we will turn around the tables for you.

We are looking to collaborate with expert-based businesses and industry disruptors who like us are ready to take the niche by storm.

### Rachna's Thought Behind Phuro

"That's what I thought... that it was time to convert thought leadership into expert-based business to make concrete contributions in South Asia's poverty reductions which is further showing all signs of worsening with climate change. Poverty is the root cause of violence. Thus, what you see today is a platform we created in collaboration with right thinking minds, who share similar values of humanitarian leadership in climate change. These minds want to generate wealth for all in order to avert climate change issues like displacement, disease and further violence. We have to become energy leaders of the world to save humanity in South Asia and make a significant impact in our lives. Climate change is a huge opportunity, and as an educated and global Bhartiya we wish to participate in it from capacity building to banking and governments.

Phuro Innovations immediate goal is to mobilise the world's largest philanthropic initiative in Green Hydrogen from this region. We also virtually attended the COP28 climate summit in Dubai."

## Phuro And Climate Change

Phuro Innovations had to prioritise, evolve, and accept change. With rampant climate change we are witnessing the repercussions of delay in our Climate Policies or Climate Funding. It is time we make peace with the environment first. As per the most credible reports on climate change from World Bank, IMF Dashboard, and ICIMOD on the melting twelve glaciers of Hindu Kush Himalayan Region, Phuro Innovations established further that South Asia is one of the biggest threats to world peace today.

## Political Unity & Humanitarian Leadership - Climate Change

Therefore, this year's Annual meet was a constructive step to take action for peace, climate change. It was organised in Knowledge Partnership with the Chairperson of Avaada Group, Co-chair of B20 Taskforce on Energy and Climate Change, Co-chair of CII Renewable Energy Council, and a distinguished alumnus of Harvard Business School's Owner President Management; Mr. Vineet Mittal who presided as Chief Guest & Keynote Speaker delivering his technical note on Green Hydrogen Infrastructure, Import, Transport, and Storage.



Avaada Group has recently raised USD 1.07 Billion for Green Hydrogen, making him the humanitarian leader of the region taking risk in frontier markets.

Takuya Kasai Managing Director APAC joined virtually from Japan encouraging energy sector leaders to take risk in frontier markets and invest in Green Hydrogen projects. Mr. Kasai also held a meeting with Phuro Innovations during his business trip in India offering the free resources as co-creator for the betterment of South Asian society.

Souraabh M. Shaw, Managing Director – MAKS Group, Alumnus of Harvard Business School, and Co-chair of Harvard Alumni India Chapter with a knack for energy business shared his key insights into “Green Hydrogen Future” and how optimistic he was to contribute to the Green Hydrogen economy. Rachna Sharma & Amit Sharma, Resident Editor – Dainik Jagran's discussion set the context for world peace as Phuro Innovation's cause, focusing on climate change action in climate emergency and Green Hydrogen economy. The discussion established the need for massive journalism and political unity and why it is critical during the climate change emergency.



Anil Relan, Vice President and General Manager Life Sciences APAC – Jacobs Engineering India Pvt Limited gave an expert presentation on how to build the safest storage systems of Green Hydrogen in the world.

Sh. Som Parkash, Honorable Union Minister of State for Commerce & Industry, Government of Bharat blessed the climate change leaders as Inaugural Chief Guest & congratulated Phuro Innovations for putting together the evening of energy leaders & its supply chain. He further shed light on the various policies and schemes of the Government of Bharat to create and implement renewable energy solutions such as Green Hydrogen for a cleaner, greener and energy efficient Bharat.

The annual meet was co-hosted with MAKS Foundation and Giri Foundation, and Harvard Alumni Entrepreneurs as Outreach Partner. Raghavendra Rathore Jodhpur, Camveda, and Wikka supported the event through their climate conscious gift hampers for speakers.



Wikka is a conscious climate brand made with natural ingredients with net zero emissions. Wikka is consulted by Phuro Innovations to become an exemplary brand for corporations who are looking for carbon neutral fragrance solutions for infrastructures.





Phuro Innovations completed the first stage of applying the methodology and framework given by National Peace Institute and have created prototypes which can be used further by state and central governments. All the materials are available on the website for free as its founder Ms. Rachna Sharma's Philanthropic initiative.

As per the above figure, amongst all the spheres, we have already researched, learnt, and educated people on Our Timeline Personal, Social, Institutional and Political Peace.

This year we are focused upon educating people on the importance of ecological peace. We have identified Green Hydrogen as our tool, to combat climate change and contribute to world peace by steering South Asia in the Green Hydrogen market on time. We are doing so by filtering correct information and bringing the knowledge together under one roof, advising heads of state, their representatives, and related parties.

### **New Climate Change Law**

We are further supporting the idea of Ecological Peace; we did so by hosting a Knowledge Partnership "New Climate Change law" roundtable and seminar at Indian Law Institute and created a white paper which is available for public view. With the help of "Universal Jurist Association" we have reached to more than a few lakh advocates practicing at Supreme Court and High Courts of India, to take an initiative on climate change and equipping them with its data and facts.

By doing so, Phuro Innovations has completed stage one and is working on stage two, with several systematic projects in the pipeline to show action and educate South Asia on the importance of World peace and how its actuality is possible.



**UNIVERSAL JURIST ASSOCIATION**

Knowledge Partner



**PHURO INNOVATIONS**

**PRESENTS  
NEW CLIMATE CHANGE LAW**



**Rachna Sharma**  
Founder & President  
Phuro Innovations

"Article 48A - Empowers the nation and states to protect and improve the environment  
Article 51A - Underlines the duty of every citizen towards our natural environment as a fundamental right.  
Article 21 - Implies the right of its citizens for a healthy environment"

15 DECEMBER 2023  
INDIAN LAW INSTITUTE, OPP. SUPREME COURT OF INDIA





# PHURO INNOVATIONS

## ECOLOGICAL PEACE

R & D



Understanding  
Attempt at it  
Together





Addressed to Honorable Finance Minister Smt. Nirmala Sitharaman  
Proposed Political Agenda - General Election 2024

**Author - Rachna Sharma**

**08.03.2024**

## **PROBLEM**

Children & society call for urgent attention and comprehensive strategies to mitigate Delhi Air Pollution.

Children are impacted the most, the hazardous air with daily AQI of 150 plus and hazardous for four months, is having more impact on children than adults. It involves not only lungs - leading to respiratory disease and asthma but also heart and brain, leading to high risk of heart attacks and neurological conditions. It impacts their growth, disrupts their education, and makes them disoriented and disinterested for months in one go. They have disturbed sleeping patterns as they can't breathe while lying down and mostly stay up the entire night causing them to dysfunction the next day.

Reduced productivity, increased economic losses, increased healthcare costs, and a decline in tourism are just a few consequences. Businesses and industries are grappling with the challenges posed by the deteriorating air quality, thereby impacting their operations. The daily lives of citizens are disrupted as outdoor activities become hazardous, schools are forced to close, and recreational spaces/ food & beverage places/ cinema halls remain empty.

The time to act is NOW, for the sake of future generations who deserve a city that is vibrant, healthy, and environmentally sustainable.

## **SOLUTION**

Subsequent to my White Paper addressed to Honorable Prime Minister on 4, February 2024, I am therefore enclosing a flow chart and valid documents we have acquired from specialists and study of the last one year.

Here is the explanation of the enclosed flow chart.

As a "Unveil Delhi Plan" Phuro Innovations is requesting for Policy/ Funding of Green Hydrogen & establishing an IGO as a sustainable solution to Delhi's Air Pollution. Both requests on implementation can produce immediate short term, mid-term and long-term results making New Delhi a model state for the world.

The AQI of Delhi touches hazardous levels, meaning we have no choice left but to step ahead of everyone else and embrace change.

Being the finance minister of the nation, it is therefore imperative for you to understand why you should allocate funds for Green Hydrogen and where you may divert those financial resources from.

As we understand from the study conducted by IIT Kanpur, the main pollutants which impact Delhi AQI are household consumption, transportation, construction/ dust, and open waste burning. Others add to this already harmful toxic air and make it hazardous.

# UNVEIL DELHI

Plan By Rachna Sharma

## DELHI AQI PLAN

Model City Delhi

Shift of average AQI to 100

Shift of average AQI from 500 to

**LONG TERM**

### OPTION A

Establish IGO

Enforce Peace Treaties  
Reduce Defence Budget and Reallocate Funds to Green Hydrogen

**Short Term  
2 Years**

1. Household Consumption (LPG, Kerosene Oil etc.)
2. Construction (Dust) - Green Cement
3. Stubble Burning
4. Open waste burning

**IMMEDIATE**

### OPTION B

Green Hydrogen Bank

Establish Green Hydrogen Bank like European Green Hydrogen Bank  
Allocate USD 3 Billion seed fund

**Long Term  
4 Years**

Replace on-ground transportation  
Railways, Trucks, Buses

**IMMEDIATE**

### OPTION C

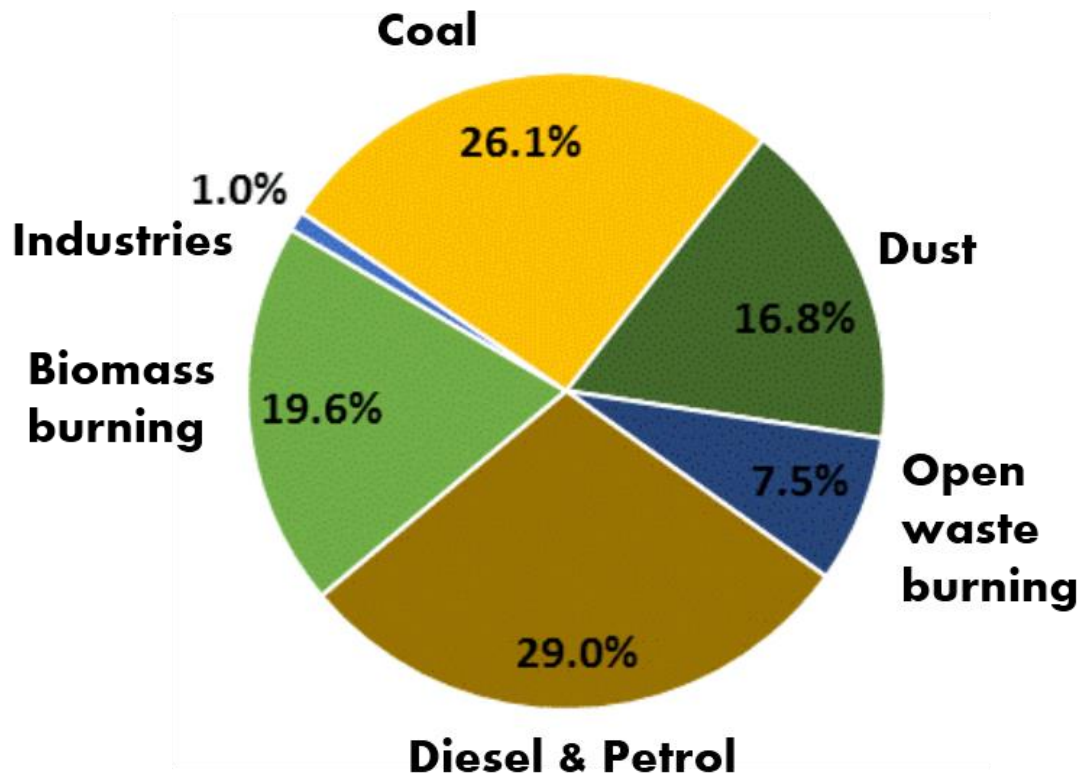
Green Hydrogen Bank in Public & Private Partnership or Fully Privatised Bank

Bank will raise seed fund directly

Green Hydrogen is sustainable long-term solution. See comparison.



## STUDY BY IIT KANPUR



Factors contributing to Delhi Air Pollution

## Phase One

When I studied this further, I defined a timeline to each factor, and realized that household consumption is solely dependent on LPG/ Kerosine Oil/ Coal and Cow Dung in remote areas, which can be easily replaced with Green Hydrogen Gas. **The LPG lines are already in place, which means the infrastructure is already** in place. We just have to start producing this gas for Delhi UT, to begin with. It will give us leverage that till the larger issue of stubble burning is solved, Delhi gets a breather in first year itself.

The storage system of Green Hydrogen is easily manageable, and the supply chain could remain the same. This is a low-cost change and doesn't require much effort on-ground either. This only needs the will of the government.

## Phase Two

This would give us an opportunity to start a Green Hydrogen Bank, so we can further look at manufacturing or influencing automobile companies to create Green Hydrogen compatible engines. We already have a few in place, Honorable Minister Nitin Gadkari has already flagged some of them. If we can begin with replacing all trucks/ heavy transports/ public conveniences and railways which is a profitable PSU and just by replacing the engines, we could significantly reduce our carbon emissions. By doing so we could reach a breakeven point of lesser pollution which contributes to making the air hazardous.

**This is a massive campaign and would require a lot more time, however this is very much possible. Infact, I would like to put this on record, this is the future.** We have to accept the future rather than the future forcing itself on us. The choice is ours.

Simultaneously we can look at Green Cement, give a timeline to manufacturers and users to utilize the already made stock and start manufacturing the Green Cement. Once this becomes a RERA policy, the third contributor, construction and dust can come under control. I have already submitted a policy note to RERA on this.

Stubble and Open waste burning seem a much easier problem with a solution.

Providing farmers with alternative methods of managing crop residue such as mulching, composting, and vermicomposting can solve the stubble burning issue, by creating an ecosystem in addition to facilitating the connection of equipment owners with end-user industries such as **bio-energy plants, ethanol production, briquettes production, paper mills and chemicals among others.** The governments could create standing committees in each state as a mandate from the Centre and ensure this is implemented on-ground.

## Phase Three

This is very critical for our region. Today we have entered a new energy era, the last energy era was of coal, this is about green energy.

We must tap into our full potential and establish an IGO, which has a bank associated with it. So far South Asia has survived due to nineteen most important treaties and post that there has been no activity in the

entire region due to which our defense budget is disproportionate and touches about USD 60 Billion per year.

The new treaties on peace and cooperation on developing Green Hydrogen and its usage can help us reduce the defense budgets, **solve the climate change problem and we can allocate those finances to generate wealth. This IGO led by India, could change the face of South Asia, become a Green Hydrogen leader for the world to see and adopt.**

Similarly, we could study different states and neighboring nations and implement Green Hydrogen, our savior from climate change and its repercussions.

While we begin our journey by creating Green Delhi, that could also become an example for the world. A first city which has adopted change and is ready to show light to this world; India to begin with.

This will solve the Delhi Air Pollution problem in less than 5 years.

## REQUEST - WHY SHOULD YOU DO THIS

The next two years involve the biggest risk which the world will face

A global report mentions that climate related damage costs the world 16 million dollars per hour. We have no system in place to measure this critical data for India.

Declining social mobility and increasing inequality are fueling frustration e.g. Delhi Air Pollution, could present an existential threat to political systems.

Interstate armed conflict could arise due to unjust policies on air, environment and migration load due to mountain areas facing floods like situations and heavy rains.

At present environmental concerns dominate the risk and concern for next ten years, time is passing by, India must act and form an IGO to solve these problems.

While I understand that the Honorable Prime Minister may have other priorities due to which Delhi has not made it to his list so far. I also feel Prime Minister **Modi is driven by a Value of Sanatan, which is VERAGYA, due to which he perhaps may not realize the pain a mother goes through when she feels powerless due to external problems which are not manageable by parents.** Everyone wants to give the best upbringing to their kids, to bring them up with fresh air to breathe and a vibrant city.

Since our current Head of the state is devoid of feminine energy, which is essential at this point of change, he perhaps is unable to recognize the pain of parents whose children breathe poison every day in Delhi NCR region. While we know that Prime Minister Narendra Modi will come back in the third term, there is no one else who can solve this problem, so when he retires in his next term, he puts New Delhi on a path to recovery. He helps South Asia with the establishment of IGO and save future generations from climate change and its long term damage.

A noble cause of getting us to breathe fresh air thus also will be recognized worldwide.

While I say this, I mean good for our nation and Honorable Prime Minister Modi and his entire new government. We want him to pay attention to this request and there is no one better than you who can convince him.

Phuro Innovations is ready to take any responsibility/ any task that would require passion and knowledge to deliver this task on ground. We are ready to work with the government and solve this problem together.

Critical biodiversity loss, changes to earth systems, natural resource shortages, uncontrolled migration, loss of life, these are flashing ahead of us, and no one is sensitive enough to notice this. Nature is giving all signs, data is supporting these signs, we need sensitive governance at this point.

You are a mother yourself and have the compassion to relate to this bitter reality. I would thus request you to kindly try to convince the Prime Minister. We need to balance the masculine and feminine energy to arrive at a solution immediately.

The increasingly competitive global environment and a **non-existing intergovernmental / intra-regional governance/ IGO will lead towards more severe longer-term risks** with no one taking responsibility for it.

**Please give us fresh air in New Delhi. Unveil Delhi.**









*PS - Source IIT K - March McLennan & Zurich Insurance Group, WEF Data, Enapter*



# ENERGY STORAGE COMPARISON

## Characteristics



	BATTERIES	DIESEL	HYDROGEN STORAGE
Energy density	0.05 kWh/kg	13 kWh/kg	33.3 kWh/kg
Safety	<ul style="list-style-type: none"> <li>● Complicated management system</li> <li>● Small window of safe operation condition</li> </ul>	Safe and easy to handle	Safe and easy to handle, similar to CNG, LPG, etc
Environmental impact	 Some dangerous materials, no recycling concept for lithium battery enabled	 Dirty, noisy	 No concerns
Degradation	 Degrades happen, performance drops over time, required replacement every few years	 High maintenance, short lifetime, frequent replacement	<b>10,000hr+</b> <b>100 years tank</b> Degrades slowly, 10,000hr+ lifetime for machines, 100 years for steel tanks
Storage time	 Loses charge over time	 Diesel will degrade through time within 6-12 months	 Can store energy indefinitely






## Applications

Short-term backup (less than 4 hours)	Suitable	Suitable	Available power is determined by fuel cell
Long-term backup (more than 4 hours)	 Big and expensive	 Dirty, noisy, high maintenance	 Suitable
Seasonal storage	 Impossible	 Dirty, noisy, high maintenance	 Suitable







# VEHICLE COMPARISON FOR 500 KM DISTANCE

## Energy for a Passenger Car of 500 km Range



	 ELECTRICITY	 DIESEL	 HYDROGEN
Fuel Usage	100 kWh	37 Litre	6 Kg @ 700 bar pressure
System weight & capacity	weight 830 Kg volume 760 L	weight 43 Kg volume 46 L	weight 125 Kg volume 260 L
Fuel weight & volume	weight 540 Kg volume 360 L	weight 33 Kg volume 37 L	weight 6 Kg volume 170 L
Time to refill	 12 hour  50 min	3 min	3 min

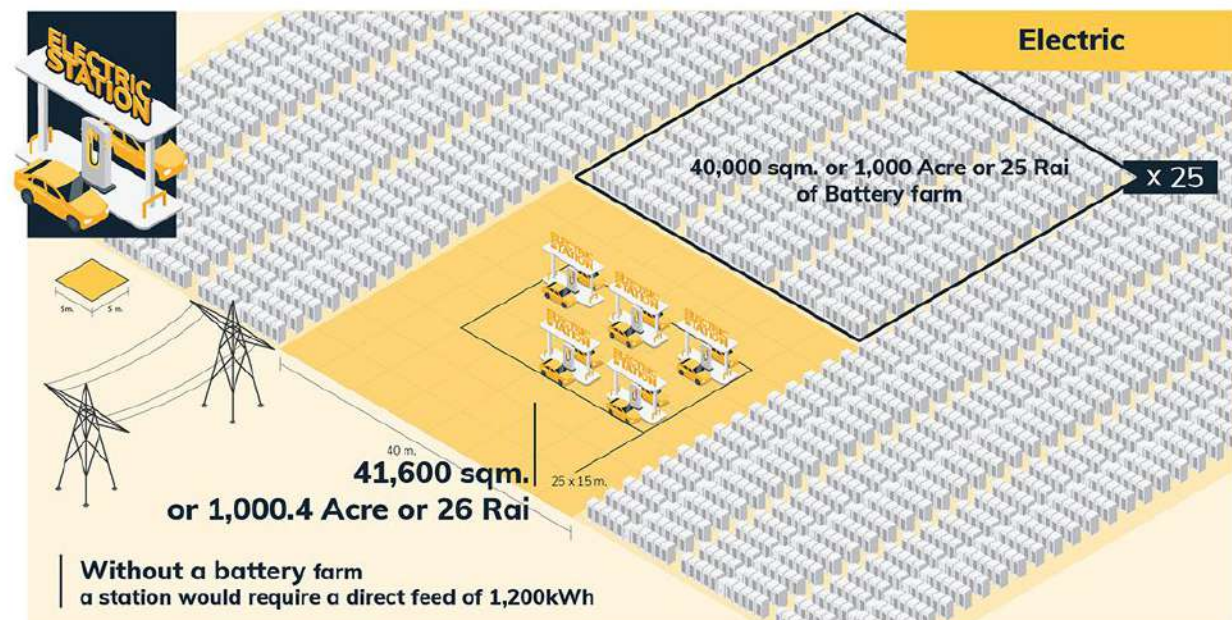
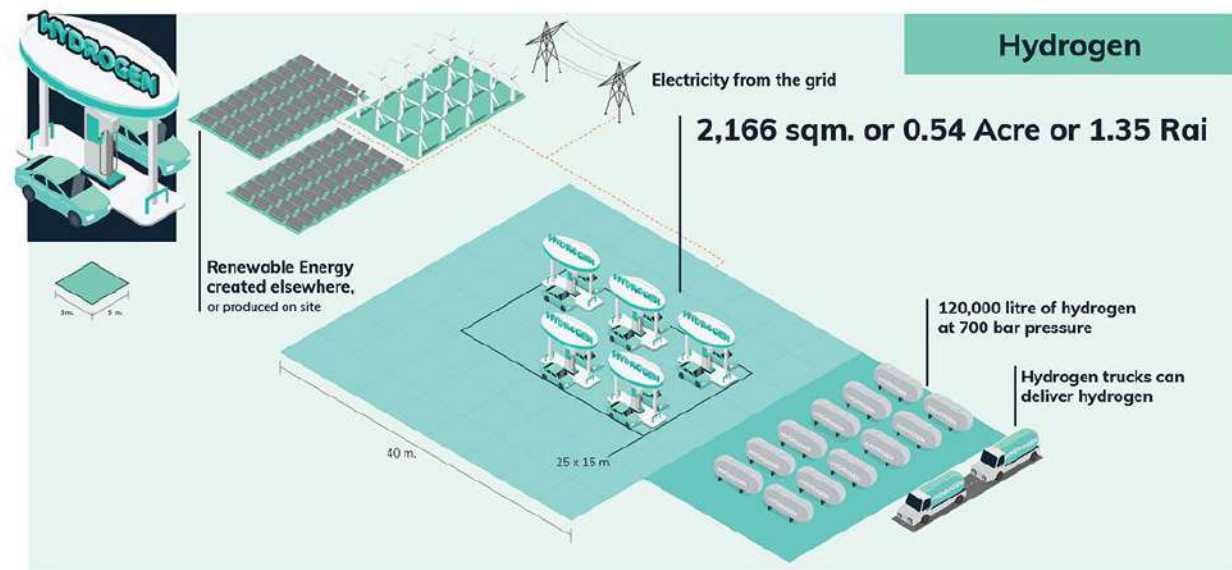
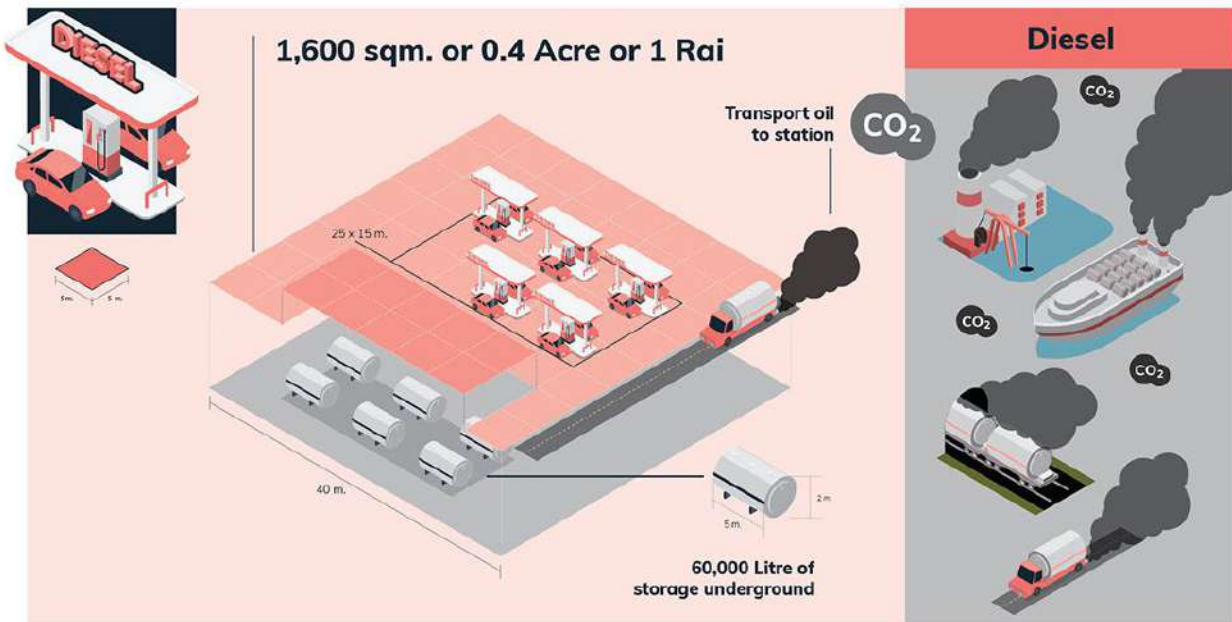
## Recycle and Environmental Issue

	BATTERY	DIESEL TANK	HYDROGEN TANK
Life span of energy source	Short	Long	Long
Recyclability	 Difficult disposal	 Can recycle the tank	 Can recycle the tank
Carbon emission	 0 emission locally	 500km will give 6.6 kg of CO2 emission	 0 emission locally



# SETTING UP ENERGY STATIONS WITH DIFFERENT ENERGY SOURCES

## Energy storage for 1,000 cars





Addressed to Honorable Prime Minister Narendra Damodardas Modi  
Proposed as Political Agenda - General Election 2024

**Author - Rachna Sharma**

**24.02.2024**



# ANNEXURE

1. About Phuro Innovations
2. Proposed Climate Change Policy/ Laws and Delhi Air Pollution
3. Proposed Political Philosophy for South Asia - Establish an IGO to  
save South Asia from further destruction and poverty
4. Why Phuro Innovations



## About Phuro Innovation’s Vision

To be a leader in World peace by managing peace in South Asia, Phuro Innovations long term goal is to influence an IGO for South Asia. We are South Asia's social impact agency for civil society. Our current members are Business owners, Spiritual leaders and Retired Diplomats, Bureaucrats & Political Veterans, Bankers, Senior Law firms and independent senior Lawyers to help us bring this vision into reality.

As per the above figure, amongst all the spheres, we have already researched, learnt and educated people on [Our Timeline](#) Personal, Social, Institutional and Political Peace. This year we are focused upon educating people on the importance of ecological peace. We have identified Green Hydrogen as our tool, to combat climate change and contribute to world peace by steering South Asia in the Green Hydrogen market on time. We are doing so by filtering correct information and bringing the knowledge together under one roof, advising heads of state / their representatives / related parties about the benefits of Green Hydrogen leadership in the long term and that risking their finances in frontier markets like South Asia is safe in the long term. We are further supporting the idea of generating commonwealth for South Asia, by influencing the Green Hydrogen Bank. We participate in democracy and development as South Asia's agency for civil society.

**PROPOSED CLIMATE CHANGE  
POLICY/ LAWS AND DELHI AIR  
POLLUTION**

## About Climate Change - Delhi Air Pollution

On behalf of the people of Delhi, NCR Phuro Innovations wants to engage citizens towards building awareness that they have a golden opportunity to solve this problem, for themselves and their children as the India General Elections are approaching and the Government is open to engaging with citizens directly.

In a democracy the single most important thing is citizens Vote, that must be valued. We have the right to suggest what political agenda or political problem we need a solution to. Hence the proposed political agenda has been summarized and will be handed over to the government directly via several online platforms.

As a citizen's platform for good, we are patriots, who would like to request the Prime Minister to kindly adopt the following as political agenda for the next term.

***Request One - Climate Change Policy, Laws & Funding in Green Hydrogen.***

***Request Two - Delhi Air Pollution (Fifth largest killer in India) In Delhi, poor quality air irreversibly damages the lungs of 2.2 million or 50 percent of all children.***

The First policy will have a direct impact on the second, as the primary causes of pollution are household consumption, city transportation & winter season primarily apart from other smaller factors like subtle burning, burning of effigies, bursting of firecrackers during Diwali etc. About 80% of agricultural land is used for animal agriculture, so animal agriculture can also be attributed as a factor in Delhi's air pollution problem.

Delhi CM, Arvind Kejriwal had announced to shut all the schools along with government offices for weeks due to the severe air pollution. The AAP government told the Supreme court that they are confident and prepared for a complete lockdown. The Supreme Court asked the center and states of the NCR region to consider remote work policies for the employees.

As a citizens' platform, we are worried with such management style of the government, as lockdown doesn't even hit the local businesses. It makes many poor people run out of daily needs like food and impacts the overall mental health of the citizens. It impacts the education system of the kids, who get deprived of important school activities.

However, overall AAP being a smaller organization, is only a state government and might not have solutions such as access to funds, policy and overall cooperation from other cities and implementation of law on ground. Thus, things like Climate Change & Air Pollution are not the state's problem alone, they are also



the center's responsibility. Hence the current government must take into consideration our request and solve this problem.

## **Political Solution**

Air quality or ambient/outdoor air pollution is represented by the annual mean concentration of particulate matter PM<sub>10</sub> (particles smaller than 10 microns) and PM<sub>2.5</sub> (particles smaller than 2.5 microns, about 25 to 100 times thinner than a human hair).

Haryana and Punjab, coupled with north-westerly winds, have also affected Delhi's air quality since the 1980s when crops are being harvested.

This is also one of the biggest causes of air pollution as the air quality drastically deteriorates in October, the season of crop burning in Punjab and Haryana. During the crop-burning season, the practice can account for up to 45% of Delhi's pollution, according to government meteorologists. While Delhi & Punjab have AAP government, Haryana falls under BJP's governance.

Perhaps the government can have better chances to rein Delhi or Punjab once the correct political agenda is adopted in these two states.

## **It's a Public Emergency - Effects on Children**

2.2 million children in Delhi have irreversible lung damage due to the poor quality of the air. In addition, research shows that pollution can lower children's immune system and increase the risks of cancer, epilepsy, diabetes and even adult-onset diseases like multiple sclerosis. Children are more vulnerable to the negative effects of air pollution as they are growing and developing which means that they breathe a higher rate of air per kilogram of their body weight. They also spend more time outside and are thus more exposed to it.

The current majority of analysis sources are hinting towards colder weather, stagnant winds trapping the various sources of smoke.

In fact, during last year's Diwali Shopping, I personally had shortness of breath and vomited with severe headache due to severe pollution during my shopping and transport that day. This made my resolve stronger than before. If I am not able to tolerate outside exposure, what will happen to children, whose immunity is yet building. This did not sound less than Bhopal Gas Tragedy to me except that it happened in minutes, and this is happening slowly and steadily.

How long can we remain indoors stuck next to air purifiers, and what will happen to those who do not have the means to buy air purifiers and who will think about the homeless, who are exposed to this poison throughout.

I would thus call Delhi, the Delhi Gas Tragedy and would request the government that they have the means to stop this probability from manifesting in reality.

## **CASE STUDY BEIJING**

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Beijing quickly rose from World's most polluted city to world's best city, as the government realized that the image of the city was not attracting FDI, locking their economic growth. China quickly responded to this global crisis and saved Beijing from air pollution.

Delhi is India's Capital and India is a developing nation. We are not only showcasing to the world our ineffective politics as well as making the investors think twice. This is the time when we need the FDI for fighting climate change, to ensure our transition to a green economy is swift and natural rather than forced and under immense crisis management. Thus, we need to correct our house to ensure we are giving them confidence.

Delhi is on the world map and represents India. Delhi's air pollution problem means India's air pollution problem at global platforms.

### **Response of Expatriates and Government**

To contend with the poor air quality, embassies and international businesses in Delhi are considering reducing staff tenures, advising staff to reconsider bringing their children to Delhi, providing high-end air purifiers, and installing expensive air purifiers in their offices.

The Delhi government said that to control the pollution in Delhi they will also be adding 1000 extra CNG buses. The Civil Defense Unit will also be checking the registrations and pollution certificates of the cars randomly to curb the pollution. Diesel cars above 10 years and Petrol cars about 15 years are banned in Delhi due to the pollution they cause.

The Delhi Government on 27 November 2021, banned the entry of commercial petrol and diesel vehicles in Delhi in view of the increasing pollution in Delhi. However, they have not been able to solve this problem, and over the years it has only increased. Giving them a benefit of doubt this is perhaps the lack of political

will, party size, lack of enough parliament presence to make policies and access more funds to reallocate resources in eradicating the air pollution and providing security to citizens from the poisonous gas.

## **Request to add this to the Political Agenda for General Election**

At Present times, we must first understand the nature of the problem attentively. When we say, climate change, air pollution, water scarcity or food chain disruption, we are talking about problems which transcend time, race, religion, cast and borders within or outside India.

This becomes everyone's responsibility, citizens as well as governments, to understand and take action on it now.

Climate policies must be implemented, irrespective of political differences. We request the government to kindly take the initiative to not only make this political agenda, it must also reflect in our foreign policy as the times ahead are difficult and need timely preparation.

Perhaps the government can have a National Committee which consists of like-minded participants from Government as well as civil society members.

By taking a step towards solving the yearly "Delhi's Air pollution problem", democracy will get an example that its voice is included, heard and acted upon by the government.

*Source - Most of the data and facts mentioned are from Wikipedia on Delhi Air Pollution; a very credible source to state macro data.*

**PROPOSED POLITICAL  
PHILOSOPHY FOR SOUTH ASIA -  
ESTABLISH AN IGO**



By creating a powerful institution like United Nations in South Asia, led by future superpower India efficient enough to take decisions on behalf of and for South Asia. An institute which thinks greater good of all and provides security against climate change and Delhi Pollution.

Among the oldest IGOs are the United Nations, which deals with diverse topics, however OPEC, on the other hand, is composed only of countries that produce oil. Specialized IGOs, such as NATO limit their activities to a particular field.

Similarly, Phuro Innovations is thus focused to create the IGO limiting its activities to Green Hydrogen economy to begin with.

OPEC, the Association of Southeast Asian Nations (ASEAN), NATO, the African Union (AU), the European Union (EU), and the Organization of American States (OAS) are among the largest non-UN IGOs. However, we are not limiting ourselves to only large organizations. There are many smaller organizations doing interesting and challenging international work, such as the African Development Bank (ADB) and the Asian Development Bank. IGOs may focus on trade (e.g. European Free Trade Association), security (NATO), or international crime (Interpol). You'll find that many UN Committees have **non-UN IGO** groups that offer a regional alternative to working within the UN.

Phuro Innovations long term goal is to offer itself as a regional legal alternative; proposing the honorable Prime Minister's office to empower us, especially at a critical time of climate change and when all other institutions and IGOs are failing in doing so. Phuro Innovations will mobilize all its global resources to put a foundation for a bright future.

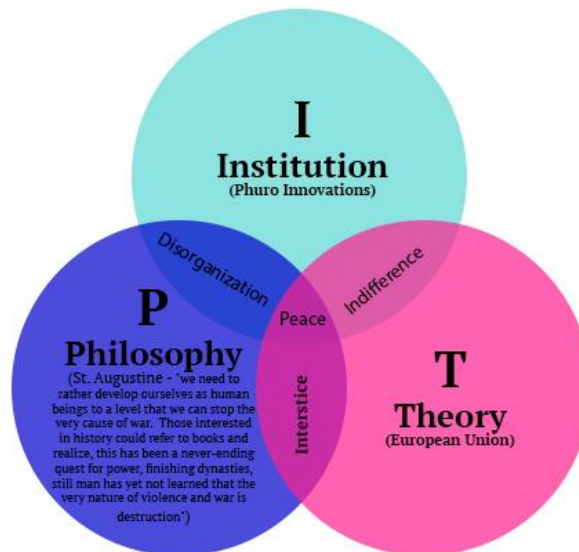
IGOs typically have the financial, political & legal support of its members along with legal expertise to an IGO's dispute resolution mechanism or executive body. The autonomy of these types of bodies varies, even within the same multilateral organization. These are autonomous bodies of the member states, and thus we would request the Prime Minister's office to honor us by becoming our member state, so we can take this awareness within India and South Asia. An IGO in South Asia needs to cover topics like Climate change & immigrations, poverty-stricken population alternatives to rehabilitation and Green Hydrogen Economy boost within the region.

Kindly accept our request keeping in mind the moral duty to save the children of South Asia from climate change repercussions.

# WHY PHURO INNOVATIONS



## Venn Diagram of Peace



$$\frac{|P \cup I \cup T|}{\text{Territory}} = \frac{|P|}{\text{Philosophy}} + \frac{|I|}{\text{Institution}} + \frac{|T|}{\text{Theory}} - \frac{|P \cap I|}{\text{Disorganization}} - \frac{|T \cap P|}{\text{Interstice}} - \frac{|I \cap T|}{\text{Indifference}} + \frac{|P \cap I \cap T|}{\text{Peace}}$$

This is about Rachna Sharma's purpose which she translated in an action post coming back from Harvard Business School, you will find the hard work she has put in to measure World Peace in South Asia on the website [Phuro Innovations](#).

"Today offers me the opportunity to build peace in South Asia, contribute to world peace, resolve political differences, and see the children healthy and happy becoming the leaders of this great Bharatvarsha tomorrow and most importantly believe in God. Even though I faced opposition on each step of mine, I kept walking".

Each new generation of youngsters struggles to maintain their ideals amid great pressure to abandon them. When the goal is money or material success, individuals can find ready support from society and even

family members. But when the rewards are more abstract, the support can be less forthcoming. At that crucible moment you turn towards GOD.

My story is not less than belief in my inner voice and God has paved the path for me holding my hand at every important crucible as well as celebrating with me every small milestone.

Challenging questions like "So could you explain to me why you're taking a job in which you work harder and do not get paid?" My parents, husband and to a certain level of society, thought I am pursuing a hobby.

When I became a mother of twin daughters, I further heard that I was doing time pass, how can a mother of two young children be a leader etc.

And most importantly what's my skin in the game negating the TIME and hard work of all these years. It's not the fault of people, as I did not fit their mold of success, namely, a big job in a big firm or an e-commerce startup right after my return from Harvard as everyone would expect.

It is extremely hard to turn one's back on that kind of logic, especially when the world is riding on external motivations and rewards and is thus struggling internally, purposeless and stressed.

That's why today we speak about climate change, our collective consciousness is burdened with our ambition which has been nothing short of depleting mother earth of its resources in the pursuit of one more dollar... rather than peace.

***I use reflection as a mindfulness technique to access my purpose from time to time...***

If you could talk with yourself as a 10-year-old, what would he or she want you to do?

While I do not believe that there is any single path to happiness or to a particular goal, I am sure that one only ever truly succeeds at what one loves. When I talked to myself, I loved building temples outdoors in my farm, with feasts and then inviting my friends for collective prayer & celebration. Since this was an outdoor activity, At times I would be very upset as it would get destroyed by nature, rain, storm, street dogs... but I would go back and rebuild that. I would rebuild that.

Today, Phuro Innovations is that temple for me, I have rebuilt it several times in spite of several challenges and now I want to fence by proposing the government establish an IGO for Phuro Innovations. So that we have the walls, the roof and a resilient community. South Asia is that temple for me.

Most importantly, we breathe clean air, especially in New Delhi as our first step. Every journey starts with one step at a time.

# PHURO INNOVATIONS

## ECOLOGICAL PEACE

NEW Climate Change LAW



Understanding  
Attempt at it  
Together







# **NEW CLIMATE CHANGE LAW**

**Rachna Sharma**

**15-12-2023**

COP28 was the twenty-eight meeting of the Paris Agreement, with the main goal to keep the global temperature limit of 1.5°C within reach. The key highlight this year was the decision on the world's first 'global stocktake'. The Global Stocktake is designed to raise ambition by helping parties to see what they have achieved so far in implementing their NDCs (Nationally Determined Contributions), NDCs which reports the actions that each individual nation is taking to reduce these greenhouse emissions.

India is a “dualist” state, which means that international agreements (such as the Paris Agreement and the UNFCCC) must be translated into domestic law to become enforceable within the country. As such, there is no time-bound requirement for India to enact domestic legislation to give effect to the provisions of international agreements on climate change either. This implies until India enacts a framework for climate change legislation, India’s NDC is not a legally binding obligation owed by the government to the citizens.

Article 253 of the Indian Constitution vests in the Parliament the power to make laws to implement international treaties. Further, Article 73 extends the executive power of the Union of India to matters on which the Parliament has the power to make laws.

Climate Change is a very wide subject and hence requires further understanding and discussion based on this paper. An attempt has been made to connect the dots below to create meaning which is calling for change.

Having said that, India does have a National Action Plan on climate change, but based on our analysis these are not law, and hence they are not enforceable by courts. Courts use their general authority under environmental laws to direct compliance with policies.

The research created under Phuro Innovations before proposing the "citizenry movement” to the founder of Universal Jurists Association was essentially an issue of regulating climate pollutants, for example ‘Climate-exacerbated disaster risk management’ and ‘protecting natural resources’ in respect of The Hindu Kush & Pamir Himalayas, Mangroves and Western Ghats as critical fragile national resources.

Strengthening national security which supports the idea that ‘securitization’ of issues like climate change is an important approach, e.g. Indus Water treaty is one such approach due to which we have survived for so long even though we have had political hostility in the region.

‘Ease of doing business’ must also be a current political priority because the energy transition can't happen without favourable policy, legislation which we call treaties for certain business sectors or technologies, particularly renewable energy & green hydrogen.

The outcome of discussion, post exchanging ideas and trading minds is that finally we need for a framework of climate legislation. Some might say that it is “better to learn from mistakes in implementing existing laws and amend them” rather than developing a new framework.

The contrary view is that “existing laws do not give protection against climate change; it is a phenomenon that needs some kind of coordinated action which is difficult to achieve purely through amendment.

The citizen’s interest is not centered in climate action right now. This needs to be changed through legislation. When researched the following further one will arrive at that “a separate climate law is a way to use the courts more meaningfully”.

What is the current framework?

Missions without legislation are:

- National Solar Mission
- National Mission for Enhanced Energy Efficiency
- National Mission for a Green India
- National Mission for Sustaining the Himalayan Ecosystem to help protect India’s water supply.
- ERP's
- Green Hydrogen Policy Mission

We have chosen to release this white paper, start this campaign at Indian Law Institute because this was founded with the objective of promoting and conducting legal research. To cultivate the science of law, to promote advanced studies and research in law to meet the social, economic, and other needs of the Indian people, to promote systematization of law, etc. As an autonomous body The Indian Law Institute has the requisite independence and academic freedom to carry out its objectives.

ILI should start an independent movement on New Climate Change Law and offering students short and effective courses to ensure India’s needs are met in the coming future.

## **DATA & FACTS**

India is now the third-largest emitter of greenhouse gases in the world after China and the United States. India's annual emissions of carbon oxide are projected to further increase almost 2.5 times between 2008 to 2035.

As per the United Nations Development Programme, India generates about 3.4 million tonnes of plastic waste annually. To address the issue of plastic waste, the Ministry of Environment, Forests and Climate Change (MoEFCC) enacted the Plastic Waste Management (Amendment) Rules 2022. This was an amendment.

Further, the Rules bring certain designated entities within the ambit of mandatory Extended Producer Responsibility (EPR). If EPR objectives are not met, environmental compensation is to be levied on the erring entity.

Thirdly, new registration rules mandate that all regulated individuals must register on the Central Pollution Control Board's (CPCB) online platform. The government has an objective of having better plastic waste management in 100 cities by 2024.

The balance requires further development, regulatory enforcement, and fostering environmental responsibility in every citizen.

### **FOREST CONSERVATION (AMENDMENT) BILL, 2023**

The Forest Conservation (Amendment) Bill, 2023 (the "Bill") was recently introduced before parliament to amend the Forest (Conservation) Act, 1980 (the "Act"). The Act had been enacted to prevent large-scale deforestation and required central government approval for diversion of "forest land" for non-forest uses.

It must be borne in mind that simultaneous to the Amendment Bill, the central government has also introduced its Carbon Credit Trading Scheme, 2023. The grooming of private forests therefore may not lead to creation of permanent carbon pools as such "forests" are likely to be used for carbon credits. It lacks a central statute or a specific regulatory framework.

### **SEBI REGULATIONS**

In India, the top 1,000 public listed companies by market capitalization are required to make their ESG disclosures under the Business Responsibility and Sustainability Reporting (BRSR) framework, prescribed under the SEBI Regulations, 2015. The framework has multiple essential and leadership (voluntary) reporting parameters. SEBI has recently July 2023 introduced the BRSR Core, which is an assurance framework and covers ESG disclosures for value chain. ESG disclosures for the value chain shall be applicable to the top 250 listed entities, on a comply-or-explain basis from FY 2024–25, for which the limited assurance shall be applicable on a comply-or-explain basis from FY 2025–26.



Due to the existing qualitative and non-standard ESG disclosure regime, SEBI has also decided to implement an “assurance mechanism” in a phased manner. The listed entities can consider appointing an ERP and has brought ERPs under its regulatory oversight as well.

## **GREEN HYDROGEN POLICY MISSION**

India has set ambitious targets of energy independence by 2047 and net-zero emissions by 2070 and the government has announced various initiatives for the transition to clean energy.

In 2022, the Ministry of Power announced the Green Hydrogen Policy 2022, for ease of production of green hydrogen which provides additional incentives such as the waiver of inter-state electricity transmission charges, priority electrical connectivity, land allocation in renewable energy parks, and the establishment of dedicated manufacturing zones for green hydrogen. It allows renewable energy consumed in green hydrogen production to count towards the renewable purchase obligations of obligated entities.

This flagship programme aims to build capacity for producing at least 5-10 million metric tonnes of green Hydrogen by 2030, Key highlights of the mission include formulating schemes for financial incentives by the Ministry of New and Renewable Energy, ensuring renewable power delivery by the Ministry of Power, facilitating green hydrogen consumption in refineries and city gas distribution by the Ministry of Petroleum and Natural Gas, and developing an online portal for hydrogen-related legislations and standards.

The National Green Hydrogen Mission outlines the vision for fossil-based industries to transition to net-zero emissions in hard to abate sectors like steel, transport, shipping, and through the development of green hydrogen hubs.

This is possibly the best way, we have summarised the information via this white paper.

## RECOMMENDATIONS

The general recommendation is to have a national committee on Climate Change. The National Committee shall be prepared in such a form and at such time as may be prescribed an annual report giving a true and full account of its activities during the previous year and forward it to the Central Government on the following framework.

- a) the Environment (Protection) Act, 1986
- b) the Air (Prevention and Control of Pollution) Act, 1981; (c) the Motor Vehicles Act, 1988
- c) the Indian Forests Act, 1927
- d) the Forest (Conservation) Act, 1980



# UNVEIL DELHI

## SAVE OUR CHILDREN

Tune In To Our Webinar

7 PM | 07 March 2024

# LETS BREATHE FRESH AIR

# Save Our Children - Climate Change Emergency - Air Pollution Minutes

“Save Our Children”

Webinar | 07 March 2024

Phuro Innovations hosted the webinar “Unveil Delhi – Save Our Children” on 7th March 2024 to give voice to children, children of New Delhi who cannot speak for themselves and are unknowingly breathing toxic /hazardous air every year. The webinar was hosted to minute the request raised to add "eradicating Delhi Air Pollution" as a political agenda for General Election. The discussion between Ms. Rachna Sharma, the President and Founder – Phuro Innovations; and Dr. Naveen Gupta, MBBS, MD - Paediatrics, DNB – Neonatology brought into focus the impact of high AQI levels on children and to be mothers of Delhi and called for a collective and immediate action to bring AQI levels in healthy range.



## **Rachna Sharma**

*President & Founder - Phuro Innovations*

Ms. Sharma began on a note that what we see in Delhi is one of the manifestations of climate change which is a man-made as well as a natural problem. Man made problems resulting from the factors such as transportation, household consumption, stubble burning, open waste burning, firecrackers and burning of effigies etc., while seasonal winds and the cycle of harvest are natural. She opines that when we have problems of this serious magnitude, then we need a solution that is sustainable and long term. Short term planning would not be sustainable, and this needs complete change.

Being a mother herself, what moved her was when she herself had to be nebulized and she vomited with dizziness and disorientation post exposure to hazardous air during one of the winter days. She also noted that her children were on nebulizers and medicines for more than three months on and off. That's when she was moved that if an adult cannot tolerate this kind of air, how can children, especially the ones not born and newborns can, who cannot even express what is happening to them. Post discussing to a lot of mothers, she realized that they were not even aware that it was this dangerous for them. Hence, she took a resolve to educate them to save their children. We are talking about increasing the life span of a human being, how can that happen if we are bringing in children where they can't breathe.

She also underpinned that as parents, and as elders, it is our duty to show some leadership and initiative and talk to the government and sensitize them about this problem which is impacting our children. Referring to Bhopal Gas Tragedy, she reminded everyone of its impact such as chronic illnesses, children born with disabilities and underdeveloped minds having neurological and lung issues. She also made an attempt to remind people of the horrific effects of Chernobyl tragedy in 1984 and referred to the irresponsible acts of government and

industrialists to not to listen to experts and the people who were time and again warning them with reports for the need of maintenance. Highlighting the causes and repercussions of the two cases, she pin-pointed the need of immediate actions to bring down AQI in Delhi.

Referring to the COVID times, she mentioned that COVID virus impacted everyone irrespective of wealth, religion, caste, or creed. The endeavour to manoeuvre through COVID united everyone. She requested Delhiites to learn from COVID times and called for everyone to unite again because during COVID, people just did not rely on the government or any external agency but we as people the courage to come together for a collective action whether it be funeral services or creating factories to meet the demands for masks or PPP kits. Ms. Sharma then requested Delhiites to request the political parties to solve their problem in exchange of their vote.

Ms. Sharma further pointed out 2024 General Elections as a golden opportunity as during this time the government has time and the willingness to engage with the citizens directly, and they come to visit their constituencies, our doorsteps seeking votes. We must request for safety from air pollution.

She further underlined that we cannot take 2030 or 2035 as the goal to end the menace of Delhi Air Pollution, since this is about becoming the voice of those who cannot speak for themselves, whether those are newborn kids, or the unborns, or the children going to school. It is our responsibility as parents, and as leaders in different walks of life, to become the voice of change. We must not underestimate ourselves as voters and should ask the election candidates coming to our doors for fresh air, and we need to be very careful when we choose government this time, whether that is central government, or the Delhi government.

Pointing towards the lack of data on the impact of high AQI levels, she said that it is because our country lacks institutions and research centres.

She ended by sharing that Phuro Innovations has created a Model City New Delhi plan and shown that via a flow chart, as to how the Delhi AQI can be brought down while adopting the bigger plan. Most of these documents have been shared with Prime Minister, Finance Minister, and Lieutenant Governor of Delhi.



### **Dr. Naveen Gupta**

*MBBS, MD - Pediatrics, DNB – Neonatology*

Dr. Gupta started by responding to the query of the impact of particulate matter on lungs especially in children. He mentioned that the AQI levels in winter months wavering between 500-600 acts as a trigger for the kids who are already at the risk of asthma or the ones who already have asthma. It becomes difficult for them to breathe, and normal medications do not usually work for infections in children. He also underscored the fact that as per various international organisations such as UNICEF, WHO and Indian agencies; high AQI starts impacting the children in



the womb itself. The pollutants inhaled by the mother are transmitted to the child through placenta and it can lead to problems in delivery, increased risk of miscarriages and prematurity; coupled with lesser birth weight and growth restriction.

He cited four reasons for such vulnerability in babies. Firstly, since their immune system is weak, hence they are at a higher risk. Secondly, he mentioned that is that babies breathe at a very fast rate as compared to an adult because of which they inhale more air as compared to adults and hence more pollutants. Thirdly, since the height of babies is shorter than adults, many of the particulate matters tend to gravitate and are found in more density near the ground surface. This results in the increased inhalation of pollutants by babies. And fourthly, babies breathe by mouth which increases the risk of pollutants moving to other organs apart from lungs.

He further pointed out that air pollutants increase the risk of myocardial infection, which means that 4-5% of risk of heart attack is attributed only to air pollutants. Similarly, the air pollutants are also dangerous for brain and can result in dementia or parkinsonism, etc. In regard to kids, they are likely to have reduced brain growth due to air pollutants. He also mentioned since there is no formal research or study, we are unaware of the irreversible damage it can have to children's lungs, brain, and hearts.

When asked by Mrs. Sharma about the impact of high AQI levels on people without adequate resources to afford air purifiers or healthcare apparatuses, Dr. Gupta mentioned that the lesser fortunate ones including the kids going to schools and colleges knowingly or unknowingly are receiving more harm than people working inside offices or at homes. He further mentioned that for an AQI in the level of 500-600, the data is not available for its impact on life expectancy but as per existing data of the western world, an AQI of 100 to 150 is very bad and it decreases the life expectancy by ten years. He mentioned that that most of the governments panic world over with AQI going beyond 100, as this can lead to civil unrest or internal conflict due to frustration. He highlighted the need for an immediate action since the AQI ranges between 500 to 600 every four months in a year especially required for the people and children who do not have access to adequate healthcare facilities as our public infrastructure is not so well equipped to take care of such a larger load. As per him during such months sometimes there is no availability of the beds and hence it should be the top priority of the government to improve the quality of air as a preventive measure rather than talking about cure. The goal should be to prevent it by whatever means which is possible.

# PHURO INNOVATIONS

## ECOLOGICAL PEACE

Press Conference



Understanding  
Attempt at it  
Together





# STUDY

## A clear Vision

**29 May 2024**

Rachna Sharma

“महात्मा गांधी से लें सीख”

Shefali Khanna

कला के माध्यम से शांति हैं”

### Ecological Peace

Ajay Chaudhary “आज,  
धरती माता के साथ  
शांति का मतलब  
विश्व शांति है

Melwyn Williams

“युवा प्रतिभाओं को करें पोषित”

### UN peacekeeping

Anand Kumar

“नेट जीरो समुदाय  
की स्थापना की हैं.

Request to Indian Govt

सशक्त करनेवाला

## A NEW INDIA

Follow us @phuroforpeace and check out our Events Calendar for information about our new program, launching in September 2024



## **PRESS INFORMATION; FAQ's**

United Nations - International Day of Peacekeepers  
Wednesday, 29 May 2024

**Fit for the future, building better together**

**Author - Rachna Sharma**

## Can you detail some immediate tasks that you propose the IGO must do

We have called for this press conference to publicly face our regional fears and solve them, we are running away from these problems. Today's situation is such that our primary dependency should be within the region. Isolation will not solve anything as we all are uniquely positioned in the world map as Himalayan civilization with the same air, water, food resources.

Global reports have announced that South Asia needs help, and we are the most affected nation /region. We should stabilize ourselves politically and socially.

We have been doing this work for the past eight years now and we need to scale it to ensure we are able to execute our prototypes.

**First** we need the support of the Govt to ensure we are able to do this with sufficient permissions to relook at existing treaties; make amendments as per today's demand and suggest new treaties for the region.

**Second**, we need to immediately reach consensus on the Himalayas and its natural resources which have been a time of contention between South Asian powers lately since the division happened. We have to resolve conflict with political philosophy, ethical boundaries and principles for the region.

This will be to build stability and peace in the region. We will be impacted directly by anything unpleasant that happens in the Himalayas.

**Third** is making it possible via economics. The intra-regional trade is locked due to close borders and lack of economic treaties. All the resources are within our Himalayas, we do not need to look beyond. We have to revive our craft, music, food and travel. We have to realize we are different and become globally local. Globalize our products with right trade practices. We are not west, and we can't chase them with technological innovations when our backgrounds are different. We must play on our strengths.

E.g. fast fashion has ruined our textiles, fast music has made our musicians and heritage jobless, Fast food has ruined our food markets / spices / citizenry health and best part is everything we buy is western. From morning to night each and every product we use is not made in India. Why? Our craftsmanship, our artisans are jobless, because we started using plastic and steel.

We are the victims of western senseless globalization which has made the world an uninhabitable world, however we cannot keep sitting and waiting for a miracle. We have to take charge and think regional.

Our farmers will commit suicide due to changes in weather, food cycles, floods, draughts and heat waves. We need a focused Institution / IGO.





**Last but not least** We also have to open several small micro finance banks and help our younger generations scale local business to world standards. EG, hold on while you are reading this article, google Hunza and see what they eat and how they are a part of the western scientific studies abroad. We have to innovate the silk route, with more sophisticated ways to build trade, via railways, air and water. A combination across

these regions to open borders and commute within these nations.

And, defense and security, our own force like NATO, could retain our defense expenses and at the same time, we would maintain our forces. That way we will stabilize the expenses.

In the long term, last but not least we must all contribute towards the disarmament process in the world. That would be the ultimate result of IGO.

We would also like to highlight that we are already dealing with Climate Change, this is not the time to expand into space without proper research about its limitations and repercussions in the long run.

### **Why IGO at this given point?**

The world is going through a very rough patch, The Palestine - Israel conflict, Ukraine & Russia, China & Taiwan. The United Nations was created to avert a situation like World War two. Now is the time to exert that power & showcase that wisdom.

We are well versed with global problems of conflict, poverty and climate change. There is destruction happening around the world and this is how Wars begin. At this point humanity has sufficient data, history and statistics to learn from and deescalate these tensions to save their nations and civilizations.

This year the UN has called for an expansion of the role and contribution of women in its operations and we have written to them asking them to use our institution as a regional solution and let us help as our intent is the same. Except for scale there is no difference in our and their thought leadership for world peace.

Hence for us at Phuro Innovations, UN Peacekeeping Day is the best day to hold this public call to establish an IGO in South Asia or empower us to do so.

For the sake of the lives of our soldiers and their families, we must ensure there is no WWIII.

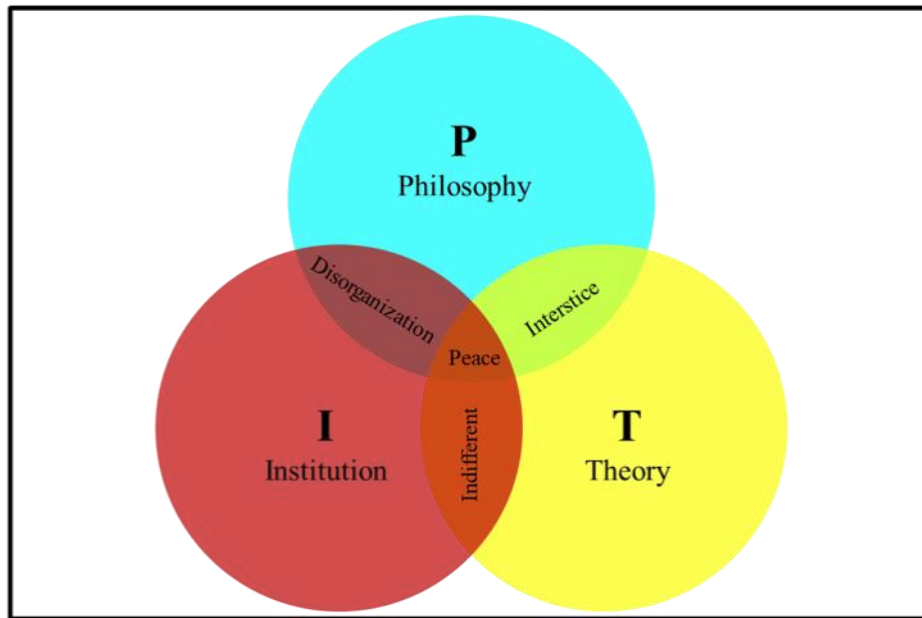
### **What are the opportunities and threats involved in its formation**

Let's talk about opportunities which lie within these threats; our first threat is climate change and then conflict within the region due to terrorism.

The biggest threat is insufficient global decarbonization efforts regarding NDC's at COP8. While that

is a threat, I see that as a huge opportunity for South Asia to take charge and lead the way, experiment with technology and become the leader in energy transition.

### Venn Diagram of Peace



$$|P \cup I \cup T| = |P| + |I| + |T| - |P \cap I| - |T \cap P| - |I \cap T| + |P \cap I \cap T|$$

Territory
Philosophy
Institution
Theory
Disorganization
Interstice
Indifferent
Peace

While we have used the EU as theory in the Venn Diagram of Peace, the outlook is hopeful. In the past, the European Union (EU) has been ultimately reinforced through crises. Like everything that has manufacturing and expiry, the EU has its time, The EU could be increasingly overwhelmed by a succession and multiplication of overlapping crises, leading into uncharted territory.

This gives us a tried and tested theory that the EU did work. We can create our localized version of the EU and make it work for us. Today we have time left to plan this and benefit our civilization rather than wait for a crisis to happen again. We are not in the dark ages. We have information available. South Asia can take a lead in the Energy transition to become a world leader

However, several natural resources and water supplies could get disrupted due to non-compliance with climate change requirements and absence of IGO which needs careful dialogues, deliberation and to save the Himalayas.

Any disruption will not only lead to floods and droughts, the entire natural cycle of glaciers and volcanoes can be disputed, I am not even a scientist, however I understand these problems deeper as I consider planet earth as Mother. A mother who has given us selflessly and we can't abandon her when she needs us. We have to stand up for the earth, rise for the Himalayas and save this world.

# Bhoomi Sukta



## Bhoomi Sukta (Bhumi Sukta) excerpts Bhoomi Devi (Mother Earth)

Sanskrit

Verse

Satyam Brhad-Rtam-Ugram Diikssaa Tapo Brahma Yajnyah Prthiviim Dhaarayanti |  
Saa No Bhutasya Bhavayasya Patny[i]-Urum Lokam Prthivii Nah Krnnotu ||1||

Meaning:

Salutations to Mother Earth, The Truth, the Cosmic Divine Law, the Spiritual Passion manifested in Mighty Initiations, Penances and self-dedications to the search of Brahman; these have sustained the Mother Earth for ages She, Who is to us the Consort of the Past and the Future, May She expand our inner life in this World towards the Cosmic Life

Asambaadham Badhyato Maanavaanaam Yasyaa Udvatah Pravatah Samam Bahu |  
Naanaa-Viiryaa Ossadhiiryaa Bibharti Prthivii Nah Prathataam Raadhyataam Nah ||2||

Meaning:

Salutations to Mother Earth, Who extends Unimpeded Freedom, to Human Beings through Her Mountains, Slopes and Plains, She bears many Plants and Medicinal Herbs of various Potencies; May She extend Her Riches to us

Yasyaam Samudra Uta Sindhur-Aapo Yasyaam-Annam Krsstayah Sambabhuvuh |  
Yasyaam-Idam Jinvati Praannad-Ejat-Saa No Bhumih Puurva-Peye Dadhaatu ||3||

Meaning:

Salutations to Mother Earth, In Her is woven together Ocean and River Waters; in Her is contained Food which She manifests when ploughed. In Her indeed is alive all Lives; May She bestow us with that Life.

Yasyaash-Catasrah Pradishah Prthivya Yasyaam-Annam Krsstayah Sambabhuvuh |  
Yaa Bibharti Bahudhaa Praannad-Ejat-Saa No Bhumir-Gossv[u]-Apy[i]-Anne Dadhaatu ||4||

Meaning:

Salutations to Mother Earth, In Her resides the Four Directions of the World; in Her is contained Food which She manifests when Ploughed. She sustains the various Lives living in Her; May She, the Mother Earth, bestow on us the Ray of Life present even in Food.

Yasyaam Puurve Puurvajanaa Vicakrire Yasyaam Devaa Asuraan-Abhyavartayan |  
Gavaam-Ashvaanaam Vayasash-Ca Vissthaa Bhagam Varcah Prthivii No Dadhaatu ||5||

Meaning:

Salutations to Mother Earth, In Her our Forefathers lived and performed in earlier times; in Her the GOOD overturned the EVIL. In Her lived the Cows, Horses, Birds; May She, the Mother Earth, bestow on us Prosperity and Splendour.

Vishvambharaa Vasudhaanii Pratissthaa Hirannya-Vakssaa Jagato Niveshanii |  
Vaishvaanaram Bibhartii Bhumir-Agnim-Indra-Rssabhaa Dravinne No Dadhaatu ||6||

Meaning:

She is ALL BEARING, She is Producer of all Wealth, She is Foundation on which we live, She is of Golden Boso and the Dwelling Place of the World. She holds the The Universal Fire within Her, the Fire which empowers Kings and Saints; May the Mother Earth bestow on us the splendour of that Fire and make us strong.

Yaam Rakssanty[i]-Asvapnaa Vishva-Daaniim Devaa Bhumim Prthiviim-Apramaadam |  
Saa No Madhu Priyam Duhaam-Atho Ukssa-Tu Varcasaa ||7||

Meaning:

Salutations to Mother Earth Her, the goodness protect sleeplessly with vigilance, She Who is the All-Giving Mother Earth. May She milk for us that delightful Honey which gives the great Splendour (of Divinity).

Yaa-[A]rnnave-[A]dhi Salila-Magna Aasiidyaam Maayaabhir-Anvacaran-Maniissinnah |  
Yasyaa Hridayam Parame Vyomant-Satyena-[A]avrtam-Amrtam Prthivyaah |  
Saa No Bhumis-Tvissim Balam Raassttre Dadhaatu-Uttame ||8||

Meaning:

Salutations to Mother Earth, Sitting above Sea as well as Lying immersed in its Waters, the Sages pursued Her by Supernatural Powers. They found that, The Heart of Mother Earth lies in the Highest Spiritual Sky enveloped by Truth and Immortality. May She, the Mother Earth, bestow Her Splendorous Vigour on us and our great Kingdom.

Yasyaam-Aapah Paricaraah Samaaniir-Ahoraatre Apramaadam Kssaranti |  
Saa No Bhumir-Bhuuri-Dhaaraa Payo Duhaam-Atho Ukssatu Varcasaa ||9||

Meaning:

Salutations to Mother Earth In Her the Waters flow on all sides Day and Night with unceasingly. May She, the Mother Earth give us the Milk of Her abundant streams, and moisten us with its Splendour.

Yaam-Ashvinaav[au]-Amimaataam Vissnur-Yasyaam Vicakrame | Indro Yaam Cakra  
Aatmane-[A]namitraam Shacii-Patih | Saa No Bhumirvi Srjataam Maataa Putraaya Me  
Payah ||10||

Meaning:

Salutations to Mother Earth Her, the Aswins who are Divine Physicians have measured out & Filled Her with Herbs and Healing qualities, In Her Vishnu strode imparting Her with Divine qualities. The first King Indra, the global king, the husband of Shachi, made Her Soul free from Enemies i.e. Made Her Soul like a Mother to a Son, on her the good & evil reside and no one should be hungry and without her blessing. May She pour forth Her Milk as a Mother does to her Son.

Girayas-Te Parvataa Himavanto-[A]rannyam Te Prthivi Syonam-Astu |  
Babhrum Krssnaam Rohinniim Vishvaruupaam Dhruvaam Bhumim Prthiviim-Indra-  
Guptaam |Ajiite-[A]hato Akssato-[A]dhyassthaam Prthiviim-Aham ||11||

Meaning:

Salutations to Mother Earth, O Mother Earth, May Your Hills and Snow-Clad Mountains spread its coolness within us; May Your Forests spread its delight within us. You present a world with Your many colours –Brown of mountains, Blue of rivers, Red of flowers; O Mother Earth, You are like Dhruva, the polar star – Firm and Immovable; And You are protected by Indra. On Your firm foundation Which is Unconquered, Unslayed and Unbroken Whole, I stand firm and whole, O Mother.

Yat-Te Madhyam Prthivi Yac-Ca Nabhyam Yaasta Uurjas-Tanvah Sambabhuvuh |  
Taasu No Dhehy[i]-Abhi Nah Pavasva Maataa Bhumih Putro Aham Prthivyaah |  
Parjanya Pitaa Sa U Nah Pipartu ||12||

Meaning:

Salutations to Mother Earth, In Your Center, O Mother Earth, is Your Navel from which the Vital Power emanates and spreads out. Absorb us in that Power and Purify us, O Bhoomi Mata, I am the Son of Mother Earth. Rain God is my Father, may he fill us with the Vital Power in Water.

Yasyaam Vedim Parigrhnnanti Bhumyaam Yasyaam Yajnyam Tanvate Vishva-Karmaannah  
|  
Yasyaam Miiyante Svaravah Prthivyaam-Uurdhvaah Shukraa Aahutyah Purastat |  
Saa No Bhumir-Vardhayad-Vardhamaanaa ||13||

Meaning:

Salutations to Mother Earth, In Her, Ground has spread Herself as the sacrificial Altar; In Her, all the activities of the World has spread themselves as Yagya. In Her, from the beginning, the Sounds of activities of the World resembling the Chants of Yagya during Oblations rises up



and disappears in the Purifying upper layers symbolically purifying the workers. May the Expansion Expanding Space provided by the Earth, expand our inner selves also.

Yo No Dvessat-Prthivii Yah Prtanyaad-Yo-[A]bhidaasaan-Manasaa Yo Vadhena |  
Tam No Bhuume Randhaya Puurvakrtvari ||14||

Meaning:

Salutations to Mother Earth, He who hates us, O Earth, he who attacks us or mentally considers us as Enemies, or he who strikes us, Him, O Mother Earth, subdue, as You have done since earliest times.

Tvaj-Jaataas-Tvayi Caranti Martyaas-Tvam Bibharssi Dvi-Padas-Tvam Catuss-Padah |  
Tave[a-l]me Prthivi Pan.ca Maanavaa Yebhyo Jyotir-Amrtam Martyebhya Udyant-Suuryo  
Rashmibhir-Aatanoti ||15||

Meaning:

Salutations to Mother Earth ,First those) Produced by You, Second those Moving about in You, Third those Two-Footed and Fourth those Four-Footed ones; all of whom You bear in the land of Mortality, Fifth is the Manava, from whom the Light of Immortality emanates (even) from the land of Mortality, which O Mother Earth, You diffuse with the Rays of the rising Sun i.e. the essence of Immortality pervades in You).

Taa Nah Prajaah Sam Duh-Rataam Samagraa Vaaco Madhu Prthivii Dhehi Mahyam ||16||

Meaning:

Salutations to Mother Earth, The essence of Immortality pervades in You May We, Your Children be able to together milk the Ritam Divine Order present everywhere in You, O Mother Earth, by absorbing i.e. understanding the great Honeyed Speech Vedic Mantras.

Vishvasvam Maataram-Ossadhiinaam Dhruvaam Bhuumim Prthiviim Dharmannaa Dhartaam |  
Shivaam Syonaam-Anu Carema Vishvaha ||17||

Meaning:

Salutations to Mother Earth, The Herbs Plants which are like Mothers of the World who sustains us, grows on the Immovable Earth Bhoomi; the Earth, which is held by Dharma, and in which Auspiciousness gently pervades throughout the World.

Mahat-Sadhastham Mahatii Babhuuvitha Mahaan-Vega Ejathur-Vepathusstte |  
Mahaan-s-Tve[a-l]ndro Rakssatya[i-A]pramaadam | Saa No Bhuume Pra Rocaya  
Hirannyasye[a-l]va Samdrshi Maa No Dvikssata Kashcana ||18||;

Meaning:

Salutations to Mother Earth Great is this Place where we stand together; Mighty is the Force present in it, which controls its Great Speed of Movement and Shaking. Great is the global God Indra who protects Her with Vigilance. In this great meeting place enveloped by Divine Powers, positive, negative & neutral. May She the Earth, make us lustrous like Golden love so that we do not see anyone with the attitude of Hatred.



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