



**The future of our civilization is dependent on its interaction with
Science and the Disruptions it comes with**

Science 20 - India 2023 brings effective dialogue and actions for making
disruptive science serve humanity and contribute to the sustainable
development goals

**Science as a liberating force, in its reformation rigor, must also become
rooted in the life and times of people.**



India's vision to promote a dialogue in the G20 meetings is a universal one

“One Earth, One Family, One Future”

'Vasudhaiva Kutumbakam'

It is this broad and all-encompassing guidance from the ancient Sanskrit text of Maha Upanishad that has inspired the vision of Science 20 (S20)

“Disruptive Science for Sustainable Development”

S20 India proposes the following three focal points within the overall theme:

(i) Clean Energy for a Greener Future

Hydrogen energy

Energy from the Ocean (offshore wind energy, Gas Hydrates, Thermal, Tidal)

New generation energy storage (thermal, gravitational, batteries, supercapacitors etc)

ii) Universal Holistic Health

Physical and physiological

Socio-Psychological and emotional

Indigenous approach to health and well-being

(iii) Connecting Science to Society and Culture

Communication and popularization

Education, law and governance

Heritage and technological translations



MEETING
VENUES



The G-Sciences Meeting finds it essential to discuss *“Science in Society & Science for Society”*

- We at the S20 India have already started a conversation on translatable nature of science and how science engages with society and culture.
- Since the beginning of reason-based discourse, science has struggled to find its place in the civilizational dynamics across the globe. Be it cultural dialogue, social placement of science, or scientific governance, societies have emerged parallelly with science not inclusive of it.
- It is rather amusing to observe that social evolution necessitates scientific progress and exploits scientific and technological advancements for its utilitarian purposes.



However stupendous, connecting science to society has emerged as a necessary tool for global civilizational movement.

- A global diplomatic discourse needs to find a place in the realm of cultural diplomacy for science and its encouragement through various social engagement programs.
- A science more global has emerged as a necessary condition for global civilizational and evolutionary processes. Creation of scientific R&D infrastructure through collaboration and partnerships serves the democratization of scientific prowess and generates equal equity among engaging parties.
- Science is a social phenomenon and to surpass residual prejudices, it is imperative to situate science in a social space, open for public adjudication. Any scientific or technological advancement that doesn't add value to the life of the last user is not worthy of being part of the global welfarist enterprise thereby necessitating innovation that leads to economic growth.



This could be achieved through collaborative and shared incubation centres harnessing the STI capacity of participating institutions.

Encouragement of entrepreneurial skills and creating opportunities for mentorship for science and technology-based ventures could be another major extension of the international science diplomacy enterprise.



Some areas in which science should play an effective role are:

- Food and Nutrition Security
- Development of Equitable Global Health Infrastructure
- Ensuring Conservation of Ecological Habitats
- Global Data Sharing and Global Data Security
- Science in Conflict Zones
- Anticipatory Science Policy And Diplomacy



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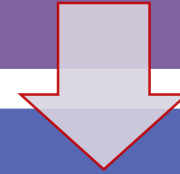
ONE EARTH • ONE FAMILY • ONE FUTURE



Science in Society – *areas needing consideration*

Innovation Mindset

- We're afraid of innovation and failure
- Early research is not universally supported by public or private funding
- Early and university education system requires further improvement to promote creativity and innovative thinking.



Societal participation - thinking big?

- Inadequate funding for a global problem?
- G-Science/ S20 together could help to re-define the Funding structure
- Enhance public science communication to dispel misinformation and disinformation.



Objective thinking: Laboratory science to Citizen science

- PhD program should be redefined with right end goals
- Current target is just to publish papers
- Zero exposure to biotech industry, market and societal needs

We are discussing the future and how it holds for our future generations.

- Science must meet the rising aspirations of the people. India fully appreciates the strong role science and technology plays in meeting the societal needs.
- We must address the problems of urban-rural divide and work for inclusive development, economic growth and employment generation.
- To enable this, there is a need for a new overarching structure that will coordinate with all the relevant stakeholders.

-PM Narendra Modi





Namaste

Thank You

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