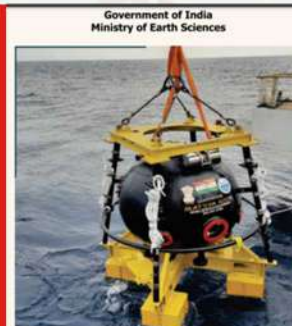
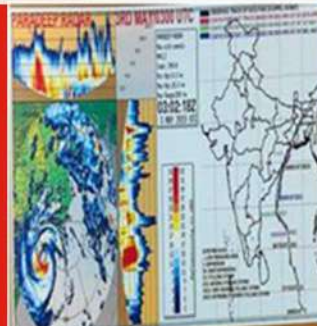




Ministry of Earth Sciences, Government of India. MoES is mandated to provide services for weather, climate, oceans, hydrology, seismology, and natural hazards; to explore and harness marine resources in a sustainable manner for the country and to explore the three poles of the Earth (Arctic, Antarctic, and Himalayas).



2022 India's G20 Presidency 'One Earth, One Family, One Future'

"India's G20 Presidency will work to promote this universal sense of one-ness." Prime Minister, Narendra Modi

1st December, 2022 is a momentous day as India assumed the presidency of the G20 forum, taking over from Indonesia. As emphasized by PM Modi, India's agenda for the G20 will be inclusive, ambitious, action-oriented, and decisive in benefiting humanity as a whole.

The Theme of India's G20 presidency is inspired by "Vasudhaiva Kutumbakam", from the Maha Upanishad, which translates to **"One Earth, One Family, One Future."** The theme fundamentally highlights the importance of all life — human, animal, plant, and microorganism—as well as their interdependence on Earth and across the universe. The theme also exemplifies LiFE (Lifestyle for Environment), which highlights the importance of environmentally sustainable and responsible lifestyle choices, both at the individual and national level, in creating a cleaner, greener, and brighter future, in today's context of sustainable development.



**Minister of State (IC)
MoES**

The G20 Presidency also heralds for India the start of "Amritkaal," a 25-year period commencing from the 75th anniversary of its independence on August 15, 2022, leading up to the centenary of its independence.

India is on a mission:

- to bring about a shared global future for all through the Amrit Kaal initiative with a focus on the LiFE movement, which aims to promote environmentally-conscious practices and a sustainable way of living



Secretary, MoES



- to promote a rules-based order, peace, and just growth for all with a citizen-centric development-oriented approach
- to build constructive and consensus-based solutions to the six priorities of India's G20 presidency
- to host 200+ events which will strengthen India's agenda and the six priorities of the G20 presidency in the run up to the 2023 Summit

In September 2023, New Delhi will play host to the 18th G-20 Heads of State and Government Summit as the President-nation. The G20 group of 19 countries, and the EU, and special invitees, together with 43 Heads of Delegations, the largest ever in the G20, will be participating in the final New Delhi Summit.

G-20 and MoES

MoES is co-chairing the 'Oceans Track' under the **Environment, Climate, and Sustainability Working Group (ECSWG)** co-ordinated by MoEF&CC. Three identified Priority Issues and Deliverables are:

1. Arresting Land Degradation, Accelerating Ecosystem Restoration and Enriching Biodiversity

- To address land degradation and work towards restoring ecosystems and increasing biodiversity. This includes reducing the amount of degraded land by 50% by 2040
- Promoting sustainable use of land and water resources
- Focus on financing mechanisms and frontier technologies
- Contribute towards the 2030 Agenda and Green Development Pact, aiming to drive sustainable and resilient water management

2. Promoting a Sustainable and Climate Resilient Blue Economy with three sub-themes

- Addressing Marine Litter for a Sustainable Blue Economy
- Coastal and Marine Spatial Planning for a Sustainable Blue Economy
- Conservation of Marine Ecosystems

The envisaged deliverables of the priority issue on “Promoting a Sustainable and Climate Resilient Blue Economy” are:

(A) G20 Principles for a Sustainable and Climate Resilient Blue Economy

(B) Publication of (i) Technical Study on Sustainable and Climate Resilient Blue Economy

(ii) Compendium on best practices in sustainable coastal management in G20

Two side events are also planned under the 'Oceans' priority area in the Environment, Climate, and Sustainability Working Group (ECSWG) :

(A) Convening an ‘Oceans 20 Dialogue’ at Mumbai

(B) Mega ‘Beach Cleaning Event’ in G20 Countries

3. Encouraging Resource Efficiency and Circular Economy

- To promote RE/CE strategies in major industries from resource extraction to production, consumption, and end-of-life uses while retaining their affordability and availability.
- Assert towards a circular bioeconomy – an economy powered by nature — as a viable alternative to the current resource-intensive economic model.
- To venture towards co-developing technologies and pilot projects to demonstrate real world applicability of RE/CE solutions, enabling mechanisms for private sector participation, and mobilising mainstream financing.

RIIG (Research and Innovation Initiative Gathering)

The Research and Innovation Initiative Gathering (RIIG) of the G20 aims to address the challenges of achieving socio-economic equity through research and innovation. The overarching theme of the gathering is "Research and Innovation for Equitable Society." The event will provide a platform for stakeholders at all levels to share ideas and create new partnerships to advance research and innovation to develop sustainable solutions for science-driven equity, by sharing best practices, collaborating on research projects, and developing policies to promote equitable access to the benefits of research and innovation. DST is the coordinating department for G-20 RIIG meetings, and there will be a total of 5 meetings under RIIG apart from the ministerial summit meeting.

RIIG Meetings:

1. Inception meeting: Kolkata (8-9 February 2023)
2. Side-event 1 on Material for Sustainable Energy: Ranchi (2nd-3rd March 2023)
3. Side-event 2 on Circular Bio-Economy: Dibrugarh & Itanagar (24th-25th March 2023)
4. Side-event 3 on Eco-innovations for Energy Transitions: Shimla (19th-20th April 2023)
5. Side-event 4 on Scientific Challenges and Opportunities towards achieving a Sustainable Blue Economy: Diu (18-19 May 2023)
6. RIIG Summit and Research Ministers Meeting, Mumbai (4-6 July 2023)

MoES is participating in the RIIG events and organising the two day workshop on the theme of **"Scientific Challenges and Opportunities for a Sustainable Blue Economy"** at Diu on 18-19 May, 2023.



Research & Innovation Initiative Gathering (RIIG)
meeting on
**Scientific Challenges and Opportunities for
a Sustainable Blue Economy**

Date: 18-19 May, 2023
Venue: Diu, India



वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

Sub-themes include

- Blue Economy Sectors and Opportunities
- Marine Pollution
- Marine Biodiversity
- Observations, data, and information services
- Coastal and Marine Spatial Planning
- Coastal and Deep Sea Mining, New and Renewable Offshore Energy

Education Hub Diu Venue of RIIG meeting 18th May 2023



MoES is leading the effort to implement a Blue Economic Policy, which aims to protect and conserve ocean resources to ensure sustainable development.

- Blue Economy has been identified as the sixth dimension of growth.
- Focus on areas such as the development of ocean climate change advisory services to address climate resilience, exploration and conservation of deep-sea biodiversity, development of technologies for harnessing ocean resources, and capacity building.
- MoES is also implementing a major programme, the 'Deep Ocean Mission,' which includes six thematic areas to support these Blue Economy initiatives

Outcome: A G20 Working Group on Research, Innovation, and Equity will be established, and all member countries are invited to participate in the group to promote international scientific cooperation.

Priority issues that will be addressed include the impact of COVID-19 on research and innovation and addressing global challenges through international research collaborations aligned with national priorities.

The RIIG aligns with the G20's mission to promote sustainable development and the Millennium Development Goals, under the remit of science and technology cooperation.



Tent City at Diu



Blue Flag Beach



Khukri Memorial



Circuit House