

SPACE AND SUSTAINABILITY COMPACT AGREEMENT**1. Applicable UN Sustainable Development Goals**

This Compact Agreement Relates to UN SDG for 2030 for the following Goals: Goal 2, Goal 12, Goal 13, and Goal 14.

2. Purpose of this Compact Agreement

Sustainable fishing and improving the livelihood of fisherfolks

3. Parties to the Compact Agreement

Party 1	Numer8 Analytics Private Limited
Party 2	Indian Network of Ethics and Climate Change (INECC)
Party 3 (if any)	

4. Participants and their contact information**4.1 Party 1**

Name	Numer8 Analytics Private Limited
Email Id	devleena@numer8.in
Address	302B Mahakali Caves Road, Andheri East, Mumbai – 400093
Phone number	+91 9916064956
Website (if any)	https://www.numer8.in/
Type of entity (Please choose the applicable one)	<input type="checkbox"/> Government <input type="checkbox"/> Non-Governmental Organization (NGO) <input checked="" type="checkbox"/> Private Sector <input type="checkbox"/> Local/Regional Government

	<input type="checkbox"/> Civil Society organization/Youth <input type="checkbox"/> Philanthropic Organization <input type="checkbox"/> Multilateral body /Intergovernmental Organization <input type="checkbox"/> Academic Institution /Scientific Community <input type="checkbox"/> Other relevant actor
4.2 Party 2	
Name	Indian Network of Ethics and Climate Change (INECC)
Email Id	myron@inecc.net
Address	<p>Indian Network on Ethics and Climate Change</p> <p>C/O Laya Resource Centre Plot No 110, D-No: 5-175/1, Behind Bay Crown Apartment, Near Sun Senora Beach Campus, Yendada, Visakhapatnam – 530045 Andhra Pradesh, India,</p>
Phone number	+91 9892396302
Website (if any)	https://inecc.net/
Type of entity (Please choose the applicable one)	<input type="checkbox"/> Government <input checked="" type="checkbox"/> Non-Governmental Organization (NGO) <input type="checkbox"/> Private Sector <input type="checkbox"/> Local/Regional Government <input type="checkbox"/> Civil Society organization/Youth <input type="checkbox"/> Philanthropic Organization <input type="checkbox"/> Multilateral body /Intergovernmental Organization <input type="checkbox"/> Academic Institution /Scientific Community

	<input type="checkbox"/> Other relevant actor
4.3 Party 3	
Name	
Email Id	
Address	
Phone number	
Website (if any)	
Type of entity (Please choose the applicable one)	<input type="checkbox"/> Government <input type="checkbox"/> Non-Governmental Organization (NGO) <input type="checkbox"/> Private Sector <input type="checkbox"/> Local/Regional Government <input type="checkbox"/> Civil Society organization/Youth <input type="checkbox"/> Philanthropic Organization <input type="checkbox"/> Multilateral body /Intergovernmental Organization <input type="checkbox"/> Academic Institution /Scientific Community <input type="checkbox"/> Other relevant actor
4.4 Please select the geographical coverage of the Energy Compact	
<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Asia <input type="checkbox"/> Europe <input type="checkbox"/> North America <input type="checkbox"/> South America <input type="checkbox"/> Oceania <input type="checkbox"/> Global	
5. Goal Areas for Compact Agreement that are being addressed	

(The goal areas may include both short-term and long-term goals)

1. Sustainable fishing – Decreasing juvenile fishing by 15% on or before 31 December 2025.
2. Climate resilience for the fisherfolk community- Weather updates at least 5 days in advance for the period between December 2022 and December 2023.
3. Reduce the operational costs of fisherfolks at the sea by up to 35% by December 2023
4. Easy access to market for fisherfolks – backward and forward- Increase sales margin of fisherfolks in selling fish by 10% by December 2023

Long term goals:

1. Decreased food security for fishing communities across all coastal countries in the world
2. Increased climate resilience especially of small-scale fisheries across the world
3. A circular seafood economy through traceability enable supply chain
4. Adaptation of sustainable fishing by fisheries across the world

6. Space systems, Technology, Data Analytics etc that are involved and sources of information

Earth observation, remote sensing and analysis of satellite data will be used to reach the goals.

NASA and ESA data are used from the following data sources

1. NASA Sources
 - a. Group for High Resolution Sea Surface Temperatures
 - b. Ocean Color Web
2. NOAA
 - a. Global Forecasting System
3. ESA
 - a. Global Monitoring and Forecasting Center (GLO MFC)

7. Services that are being provided

The following services are provided to the marine fisherfolks

1. Potential fishing zones
2. Ocean Currents
3. Tide
4. Hyper local weather data
 - a. Sea Surface Temperature
 - b. Lighting
 - c. Wind direction
 - d. Wind Speed
 - e. Cloud Cover

- 5. Algal Bloom
- 6. Ocean depth information
- 7. Bathymetry
- 8. Real time navigation
- 9. Compass

8. Timetable for reaching various milestones

Timetable for reaching various milestones.

1. Sustainable fishing – Decreasing juvenile fishing by 15% by December 2023
 - a. Maharashtra and Gujarat – March 2023
 - b. Karnataka and Kerala – June 2023
 - c. TamilNadu and Andhra Pradesh – Dec 2023
2. Climate resilience for the fisherfolk community- Weather updates at least 5 days in advance in the period between December 2022 and December 2023.
 - a. Hyperlocal combined weather update – March 2023
 - b. Cyclone path prediction – May 2023
 - c. Coastal flood prediction – May 2023
 - d. Visibility Index – October 2023
 - e. Wave Height – October 2023
 - f. Nautical Charts – November 2023
 - g. Seamounts Map – November 2023
 - h. Voice and Data for marine communication – December 2023
3. Reducing the operational costs of fisherfolks at the sea by up to 35% by December 2023
4. Easier access to market for fisherfolks – backward and forward- Increase sales margin of fisherfolks in selling fish by 10% by December 2023
 - a. Backward market linkages
 - i. Portable storage boxes – March 2023
 - ii. Sustainable fishing nets – August 2023
 - iii. Fish Drying machines – August 2023
 - b. Forward market linkages
 - i. Selling fish – August 2023
 - ii. Selling dry fish – August 2023

9. Monitoring mechanisms for the Goals areas of this Compact Agreement

- (a) Regular monitoring by using a network of central and state government sponsored enumerators every 3 months.
- (b) Internal audit carried out by team annually.

10. Please specify the Sustainable Development Goals applicable to this Compact Agreement (Please select all that are applicable)

- SDG 2 – Zero Hunger
- SDG 3 – Good Health and Well Being
- SDG 4 – Quality Education
- SDG 6 – Clean Water and Sanitation
- SDG 7 – Affordable and Clean Energy
- SDG 9 – Industry, Innovation and Infrastructure
- SDG 11 – Sustainable Cities and Communities
- SDG 13 – Climate Action
- SDG 14- Life Below Water
- SDG 15 – Life on Land

Other:

SDG 12 – Responsible Production and Consumption

Please use the checklist below to validate that the proposed Space and Sustainability Compact Agreement is aligned with the guiding principles.

1. The Space and Sustainability Compact Agreement deals with space technology being used for fulfilling the national, sectoral, and/or sub-national sustainable development strategies/plans, including SDG implementation plans/roadmaps. Yes No
2. The Space and Sustainability Compact Agreement strengthens and/or constitute a target, commitment, or policy action in relation to any one or more of the SDGs listed in point F of this Agreement. Yes No
3. The Space and Sustainability Compact Agreement takes into account the socio-economic impacts of measures being considered. Yes No
4. The Space and Sustainability Compact Agreement fosters enabling policies and an inclusive and safe institutional and working environment that enables everyone to enter, retain and advance in the workforce, take on leadership roles, and receive due recognition for their contributions. Yes No
5. The Space and Sustainability Compact Agreement considers measures that address the needs of the most vulnerable people and groups and those who are most impacted and does not create, exacerbate, or unintentionally increase the vulnerabilities. Yes No
6. The Space and Sustainability Compact Agreement contains SMART (specific, measurable, achievable, resource-based, and time-based) goals. Yes No
7. The Space and Sustainability Compact Agreement considers an achievable timeframe. Yes No
8. The Space and Sustainability Compact Agreement considers issues related to means of implementation to ensure the feasibility of measures proposed (e.g. cost and financing strategy, technical assistance needs and partnerships, policy and regulatory gaps, data and technology). Yes No
9. The Space and Sustainability Compact Agreement promotes cooperative measures at any level, including national, regional, and international cooperation. Yes No
10. The Space and Sustainability Compact Agreement has adequate self-reporting and monitoring mechanisms. Yes No

SIGNATURES

(a) Party 1 –



(b) Party 2 –



Myron Mendes

National Facilitator, INECC

16 January 2023