

TEMPLATE A

RESPONSE FOR SOLUTIONS: “Space2030” Agenda Mid-term Review

For Member States and
permanent observer organizations with COPUOS

NOTE BY SECRETARIAT: the following template is designed to allow Member States of the United Nations and permanent observer organizations with COPUOS to provide standardized responses to any of the 4 Overarching Objectives, and showcase their space solutions

Overarching objective : 2. Space Society	<p>2.2. Promote the use of space technologies and their applications to enhance scientific knowledge of the natural environment, including oceans and seas, mountainous regions, water cycles and resources, forestry, biodiversity, desertification and land degradation, as well as urbanization, with a view to contributing to the preservation of the natural environment, sustainable resource management and the protection of ecosystems.</p> <p>2.3. Strengthen the use of integrated space applications to facilitate the observation of the climate and the assessment of disaster risks, improve early warning disaster systems and provide data for the indicators used to track progress in the implementation of the 2030 Agenda for Sustainable Development, the Sendai Framework and commitments by States parties to the Paris Agreement.</p> <p>2.4. Advance the role of space technologies in highlighting, analysing and addressing climate change and facilitating the transition to low-emission societies, and promote international collaboration in that regard, in line with existing and recognized international mechanisms and organizations.</p> <p>2.8. Promote space open data policies and the sharing of data.</p>
Country/Observer Organization	Djibouti
Project partners	<ul style="list-style-type: none"> - Ministry of Higher Education and Research of Djibouti (MENSUR). - Center for Studies and Research of Djibouti (CERD). - University of Djibouti. - Montpellier University Space Center (CSUM). - Van Allen Foundation.
Short Project summary and goals	<p>The Hydrosat Mission is a national project aimed at collecting and analysing data from climate, rainfall, and hydrological stations located throughout Djibouti. It allows the CERD to monitor climate change trends and strengthen environmental resilience through a better understanding of local climate data.</p>

Relevant SDGs	<p>SDGs6 – Guarantee access to water and sanitation for all and ensure sustainable management of water resources.</p> <p>SDGs13 – Take urgent action to combat climate change and its impacts.</p> <p>SDGs15 – Preserve and restore terrestrial ecosystems.</p>
Space/Satellite solution:	Satellites complement ground-based data by providing continuous observations of precipitation, temperature, soil moisture and water resources. It also allows for climate modeling of the Republic of Djibouti.
Project impact	<ul style="list-style-type: none"> - Improving the national climate database. - Better environmental planning. - Support for local scientific research. - Contribution to sustainable water management.
Reference	https://spatialdjiboutien.net/