



SPACE FOR CLIMATE OBSERVATORY

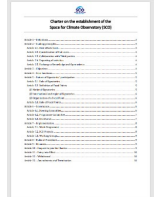
CEOS WG DISASTER

F. BRETAR



I. THE SCO INTERNATIONAL ALLIANCE

35 SIGNATORIES



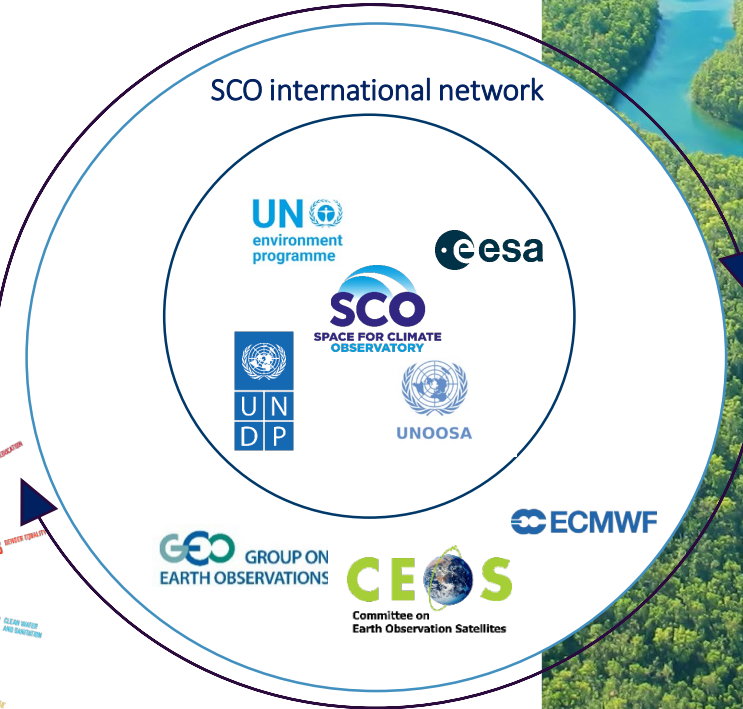
Charter on the establishment of the SCO
entry into force on 1st Sept. 2022

SCO LOCAL IMPLEMENTATIONS



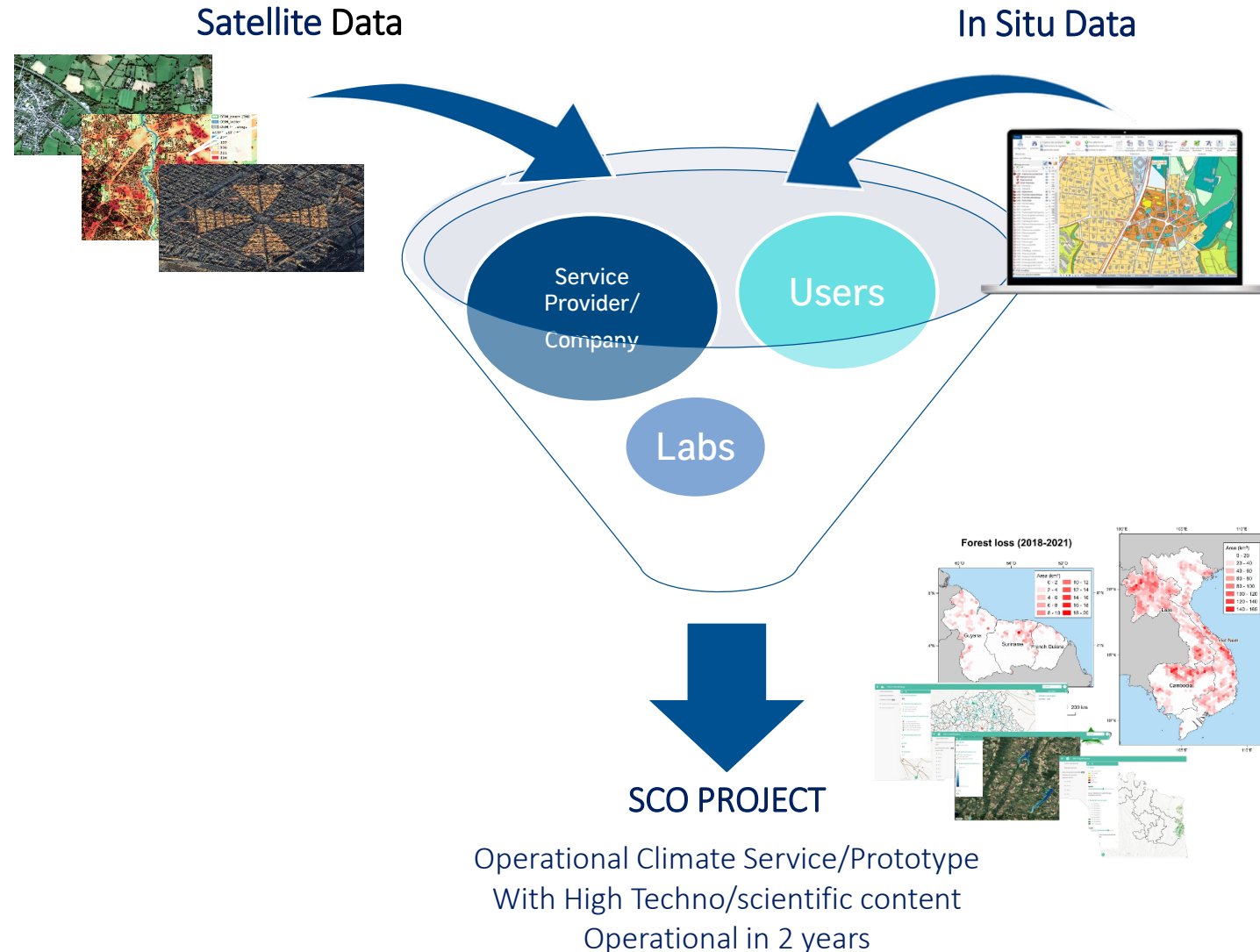
SCO INTERNATIONAL OBJECTIVES

- Provide operational tools (SCO projects) and studies to help decision-makers to adapt to climate change.
- Foster cooperation around these applications to favour their reuse and communicate on them
- Build a network for space agencies and public and private entities involved in the use of EO data for operational climate action



SCO PROJECTS CRITERIA

- Addressing the needs of end users within a specific geographic area;
- Proposing operational and practical software(s);
- Making the best use of available satellite, environmental, climate, in situ and socio-economic **data**, at a resolution adapted to the problem;
- Building on (pre-)operational and research **infrastructures**, services and local data provision;
- Having a built-in **potential for extending** to several geographic areas.



Steering Committee

Decision-making body

Mandate

- Nomination of the Programme Committee;
- Approval of the Work Programme (SCO projects-related activities);
- Approval of Working Groups establishment;
- Examination of requests to join the Charter

Functioning

- Holds ordinary meetings 2/year + extraordinary meetings (remotely or physically during IAC for instance).
- Vote : 2/3 majority

Composition

Focal points: “Focal Points act **as intermediaries for the implementation of SCO activities**. This role is assumed by Signatories of public nature whether the Signatory is attached to a country, or is an international or regional organization”
Art.5.2 of the Charter.

Programme Committee

overseeing the implementation of the SCO activities

Mandate

- Drafting the Work Programme
- Ensuring that SCO Projects match the required criteria
- Monitoring the work achieved within dedicated Working Groups
- Monitoring the progress of SCO Projects and Working Groups activities towards the achievement of the objectives of the SCO defined in Art.3 Charter).

Functioning

- In construction : a pre-figured Programme Committee is established for 2023 and will be voted by the Steering Committee.
- Holds ordinary monthly meetings 4x/year

Composition

- Restricted number of Focal points depending on the total number of Signatories.
- Nominations take place on a rotating basis, ensuring fair geographical representation
- The composition of the Programme Committee is approved by a two-thirds majority decision of the Focal Points in the Steering Committee.

Secretariat

Support SCO subsidiary bodies

Mandate

- Supporting and coordinating activities to facilitate the implementation of the Steering Committee decisions;
- Providing substantive secretariat services to the meetings of all subsidiary bodies;
- Gathering, compiling and publishing information related to the SCO activities and the progress made by every Signatories;
- Handling the overall communication of the SCO and its website;
- Enabling international cooperation and collaboration by being the entry point for any inquiries related to the SCO.

Functioning

- The Secretariat is under the **responsibility of one Signatory**, who provides it as an in-kind contribution
- To ensure an efficient launch of SCO activities under this Charter, and given its role as initiator of the *Joint Declaration for a Space Climate Observatory*, it is proposed that the Secretariat be **first provided by CNES**.

Working Groups

consultative bodies

Mandate

explore, discuss and/or provide recommendations on how to address specific themes relevant to the SCO objectives.

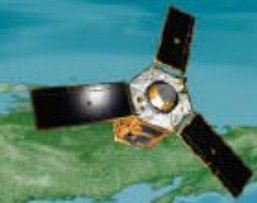
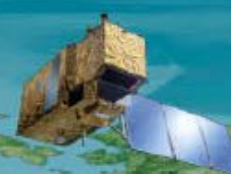
Functioning

- All Signatories can take part in the activities of the Working Groups.
- Requests to form a Working Group are notified to the Secretariat and are examined by the Steering Committee. Their approval requires a two-thirds majority.
- The activities of the Working Groups can be supported by Third parties upon invitation of Focal Points.

Focus on Sharing Knowledge and expertise :

Experts developing an operational tool on a specific topic (ex: mangroves).

Public local actors sharing problematics and needs on a specific geographical areas.



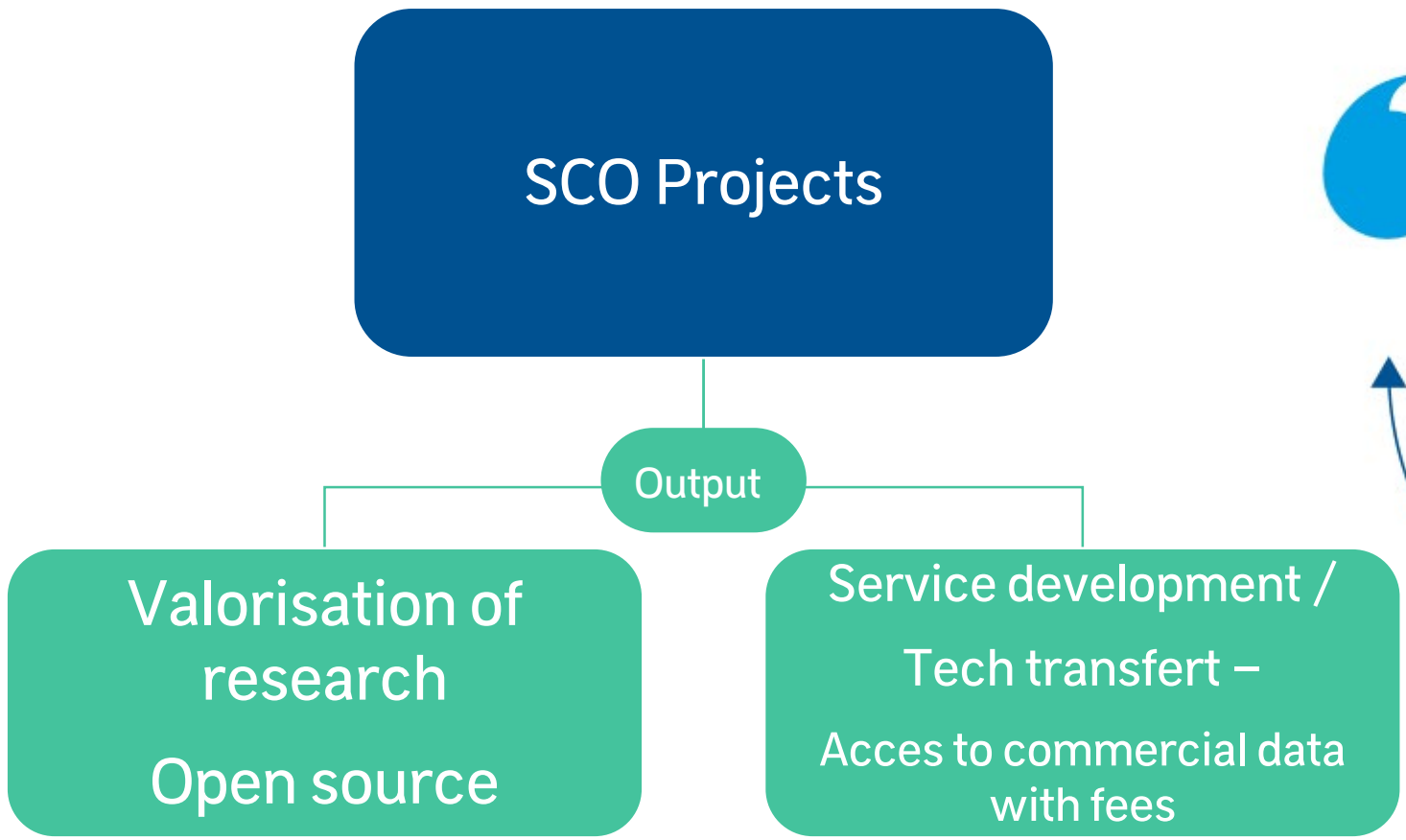
ADAPTING OUR SOCIETIES TO THE IMPACTS OF CLIMATE CHANGE

57 projects
35 members
January 2023



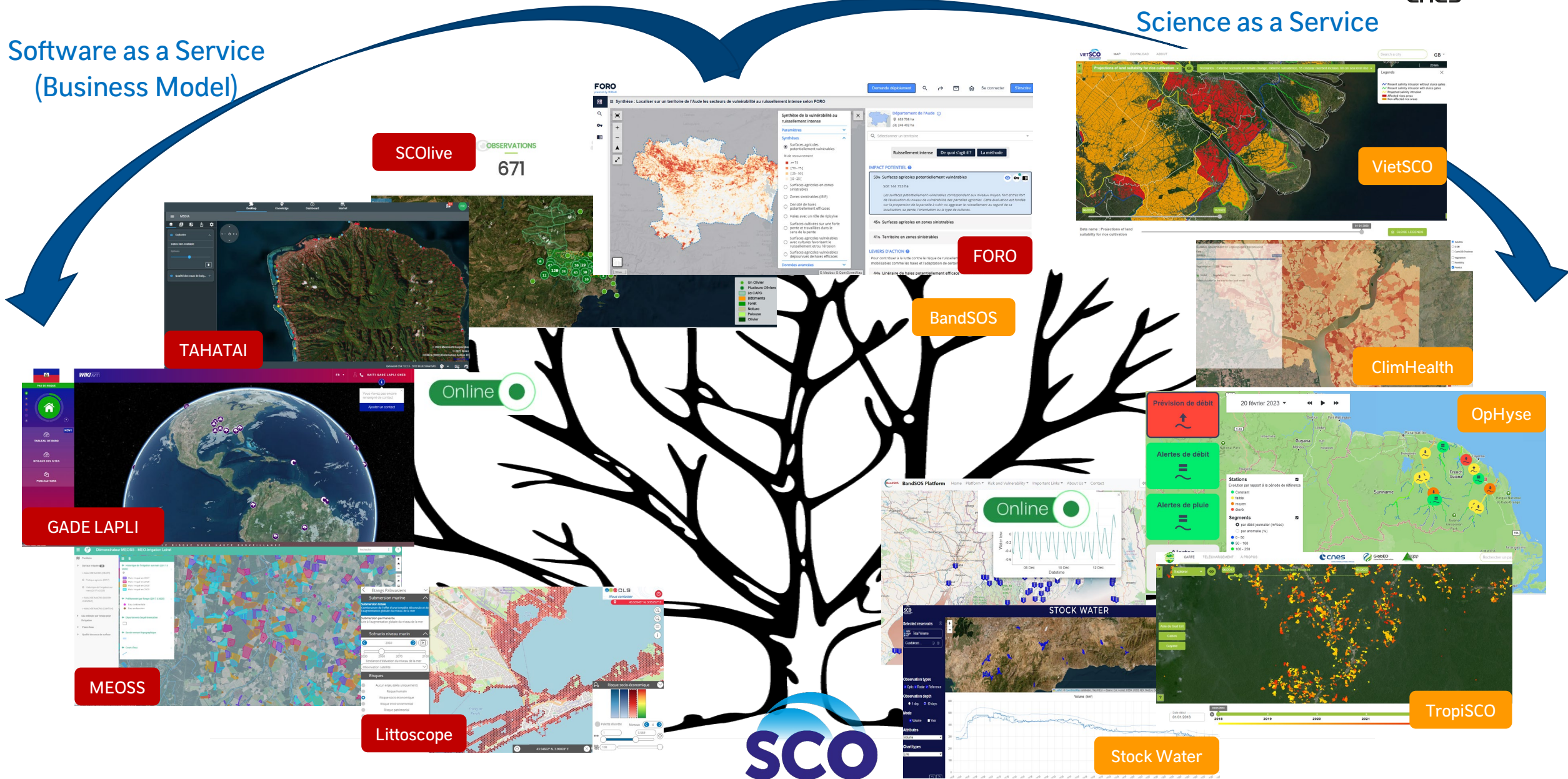
- Agriculture - Biodiversity - Carbon - Forest fires
- Coastal areas - Education - Extreme meteo
- Forests - Health - Land use - Natural disaster response
- Rural - Urban areas - Water management areas





Science as a Service

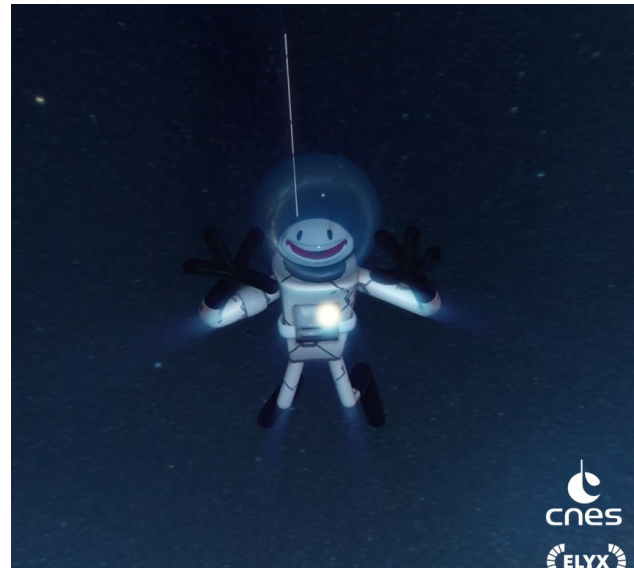
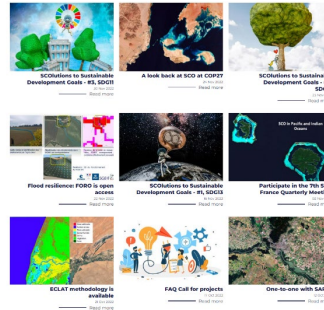
Software as a Service
(Business Model)



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