











As part of the strategy of the in-

situ subgroup of the data working

group, we want to work towards

fulfilling user needs.

InCASE project - Funded under the EEA- EC (RTD) SLA on "Mainstreaming GEOSS Data Sharing and Management Principles in support of Europe's Environment"

# In-situ observations requirements database as a tool to search for data that fit for the needs of the GEO initiatives

Alba Brobia<sup>1</sup>, Joan Masó<sup>1</sup>, Ivette Serral<sup>1</sup>, Marie-Françoise Voidrot<sup>2</sup> a.brobia@craf.uab.cat, joan.maso@uab.cat, ivette@creaf.uab.cat, mvoidrot@ogc.org <sup>1</sup>CREAF, Campus UAB 08193 Barcelona, Spain, <sup>2</sup>OGC Europe, Toulouse, France

## What is missing

The GEO Portal is a tool to discover and access what data GEO has.

Users submit their queries with a hope that they will find what their need.

What happens if "their" needs are not covered? How we can know and organize user needs?

#### **Our response**

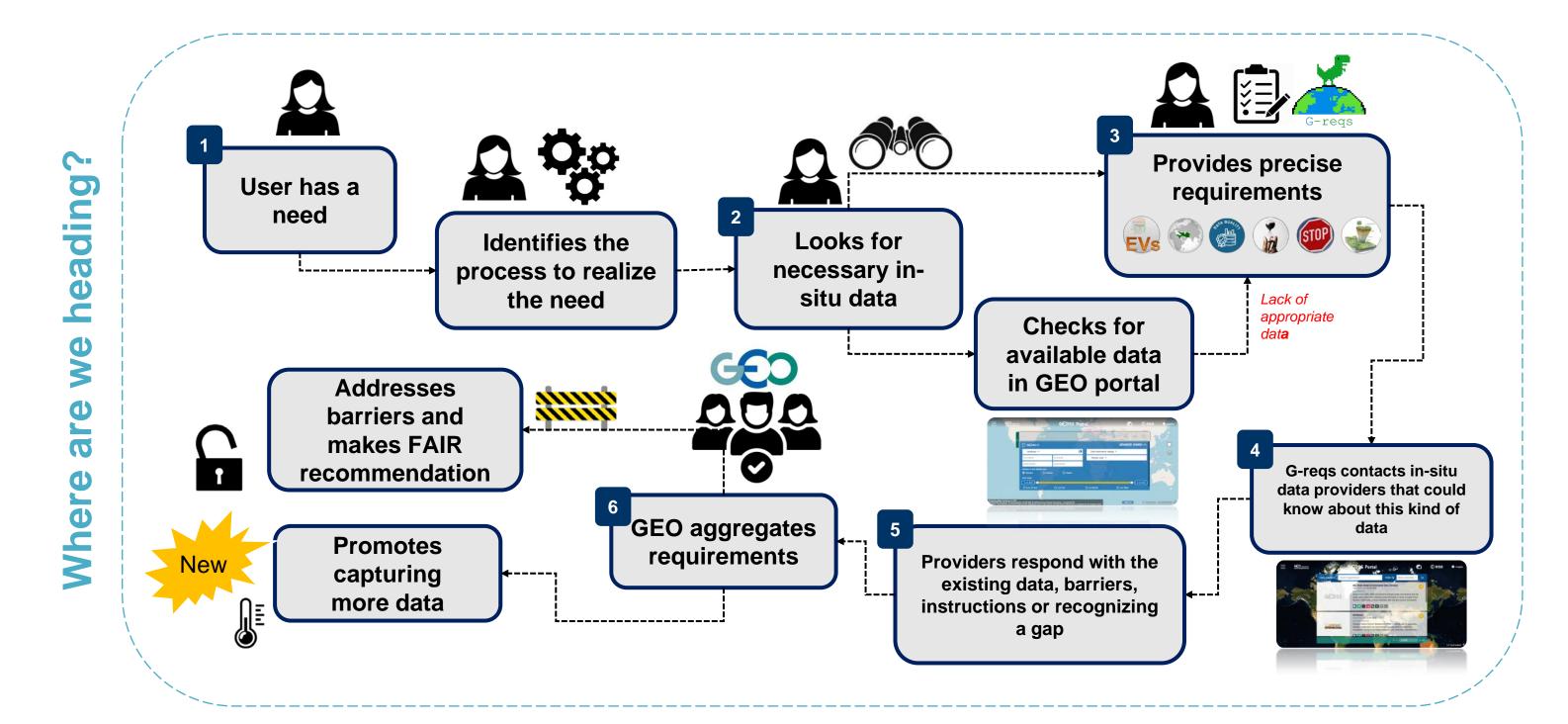
database standard G-regs tool and is а а methodology designed to collect requirements for insitu data for the benefit of GEO activities.



We what to know if current in-situ datasets meet user requirements, if current data is only partially useful, if there are barriers to access and use, or if new data should be collected.

### **Based on previously recognized approaches**

G-reqs is based on ISO 19101-1:2014 reference data model for standardization in the field of geographical information and previous practical implementation for collecting requirements such as WMO OSCAR and Copernicus CIS<sup>2</sup>.

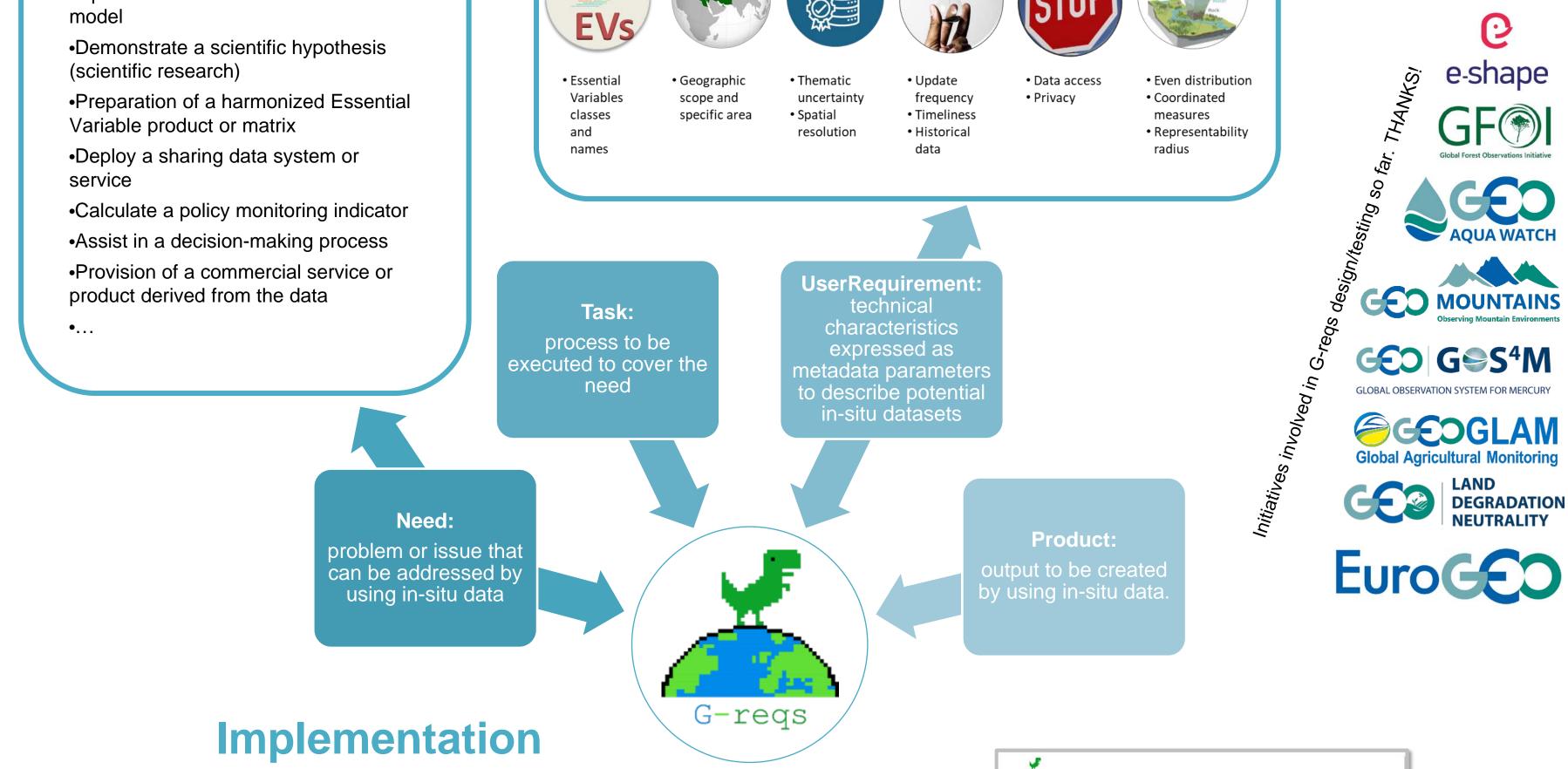


#### **Conceptual model**

- •Cal/Val of Remote Sensing products
- •Cal/Val of other in-situ data
- Input and assessment for a numerical

- Deploy a sharing data system or service



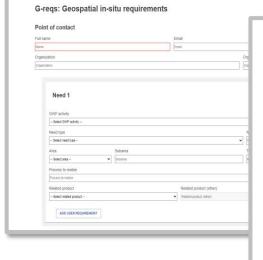


G-reqs is available at <a href="https://www.g-reqs.grumets.cat/">https://www.g-reqs.grumets.cat/</a>

A web application was developed and can be directly accessed at <a href="https://maps.eea.europa.eu/EuroGEO/dev/">https://maps.eea.europa.eu/EuroGEO/dev/</a>

You can also ask for an interview where we will guide you in the process of documenting in-situ data requirements. We provide FAIR access to the G-reqs database.





| User requirement 1   |   |                                       | REMOVE USER REOL                       | JREMENT 📱 🗠 |
|--|---|---------------------------------------|--|-------------|
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| iane   |   | Description                           |  |             |
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| Vertical resolution min (integer)  |   | Vertical resolution max (integer)     | Vertical resolution UoM                |             |
| Vetical resultation min  |   | Verbral resolution mas                | - Select vertical resolution UoM -     | ¥           |