



H Y S O P E II

The THEIA hydrology data access and SWOT HR distribution system

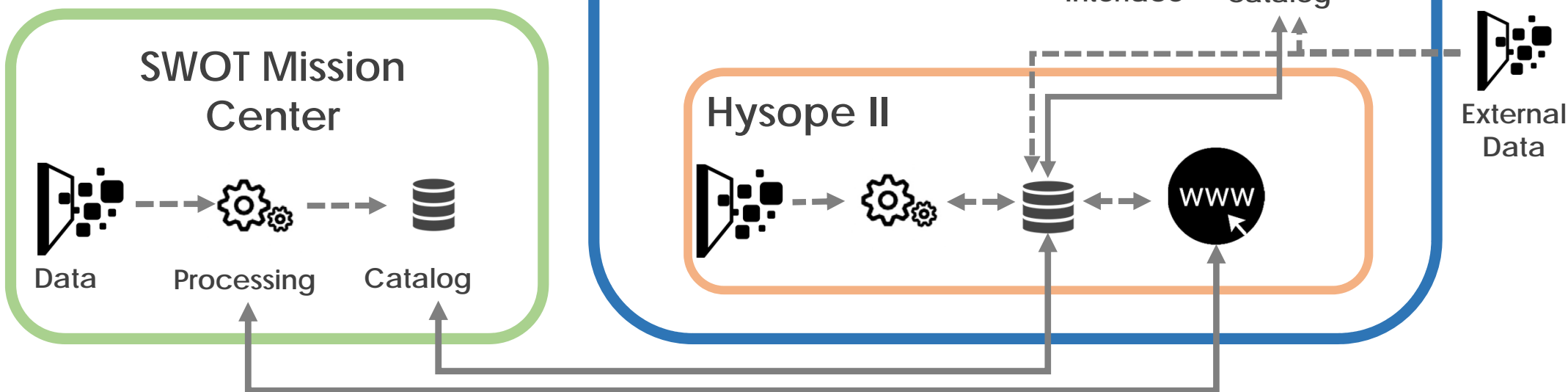
ST SWOT, 19/06/19





Hysope II, what and where is it?

Hysope II aims to centralize, facilitate and provide a sustainable access to hydrological data: spatial (all 'variables'), in-situ and numerical models. It will distribute the SWOT HR products. It is meant for the scientific expert, public agencies and outreach.





Hysope II, **why** and how?



Discover



Explore



Visualize



Process



Develop



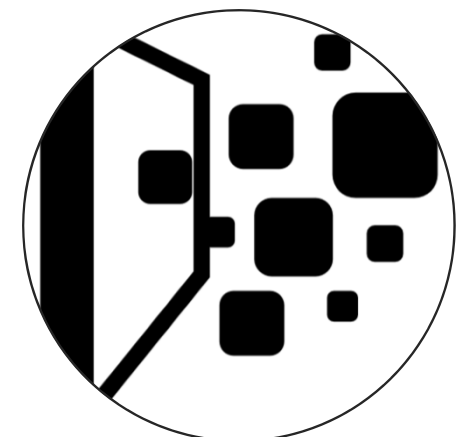
Homogeneize



Compare



Extract



Hydrology
Big Data



Hysope II, why and how?



Discover



Explore



Visualize



Process



Develop



Homogeneize



Compare



Extract



Ingestion

Prepare data
Harvesting metadata

Referencing

Water DB
Metacatalog
Archiving

Production center

Pre/post processing
Products with more value,
more coverage,...

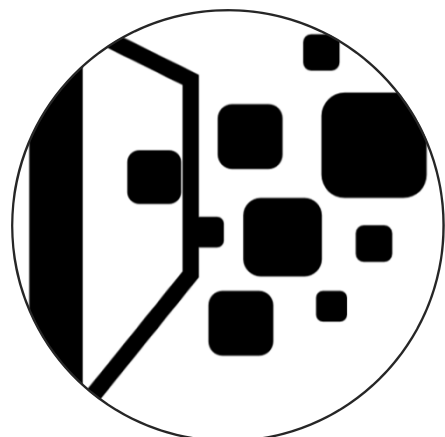
Distribution center (Hydroweb-NG)

Visualization
Distribution

Sand Box center

Access to specific data and
ressources

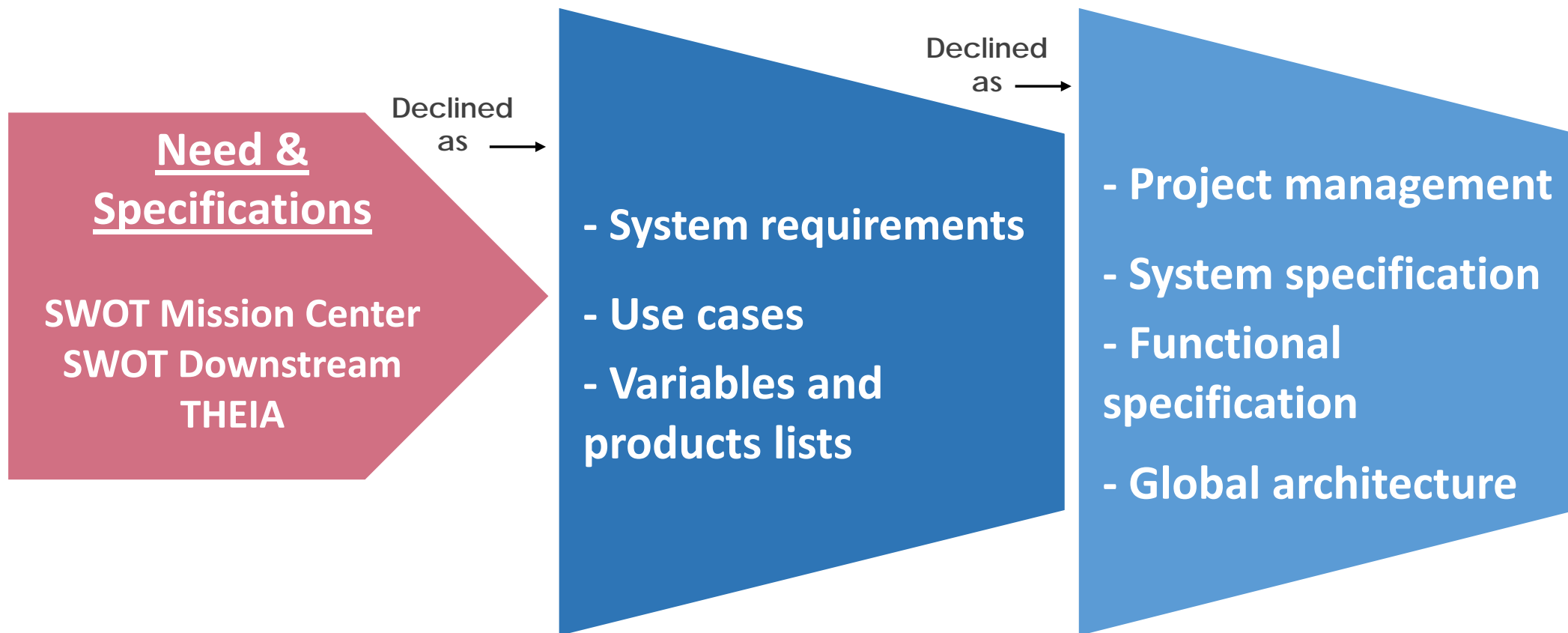
System Supervision



Hydrology
Big Data



Hysope II, how to do it?





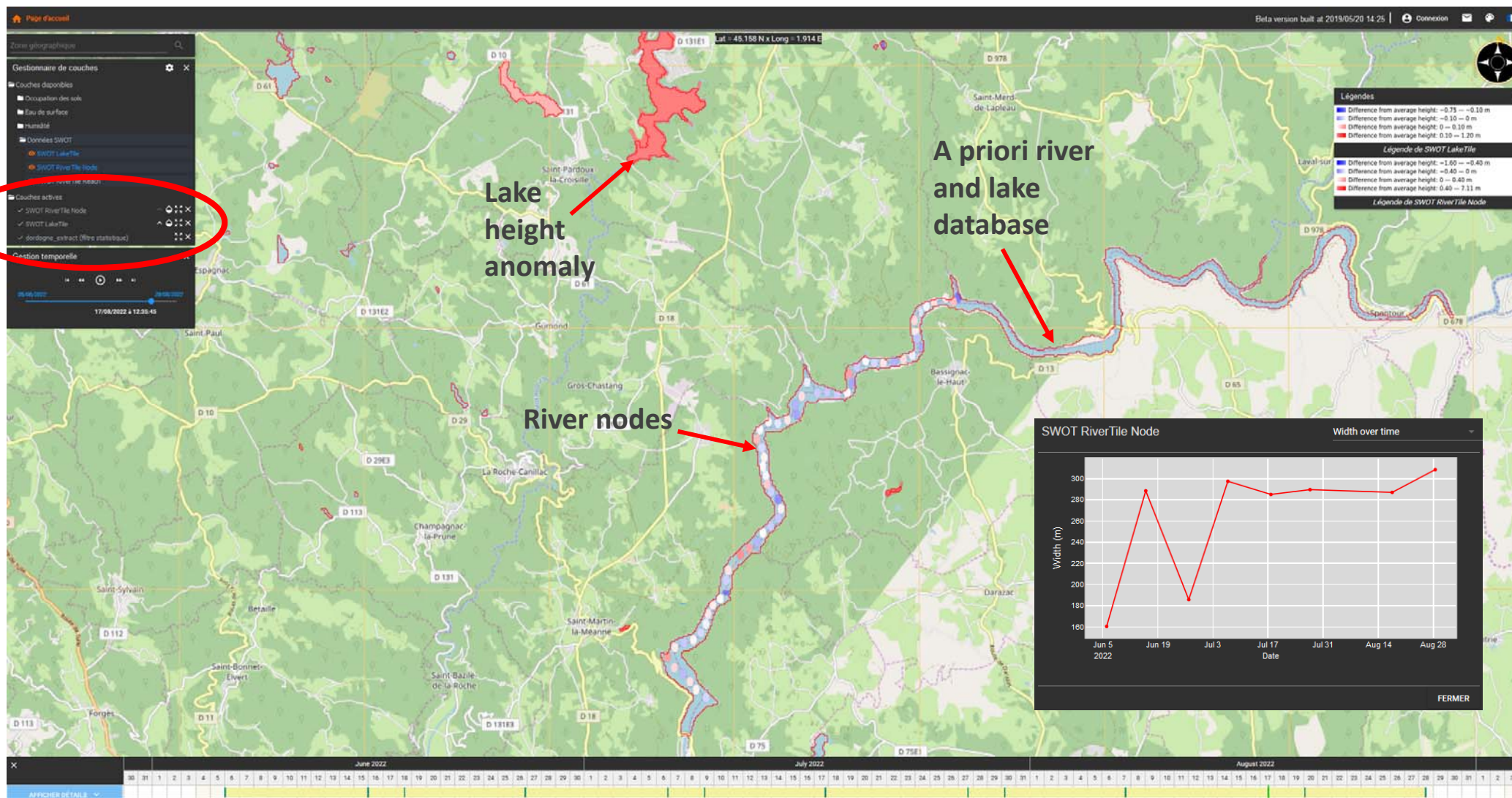
Hysope II, Hydroweb-ng prototype



- **Hydroweb-ng is the web interface to access hydrological data**
- **Development of a prototype in order to :**
 - Quickly get practical elements for the project, SWOT Downstream and the SWOT mission community
 - Accelerate the definition of the system global architecture
 - Mature the IHM and its specifications / functionalities
 - Get/give feedbacks on hydrological data and specifically the SWOT HR products (format, structure)



Hysope II, Hydroweb-ng prototype, the SWOT HR products.





Hysope II, Planning

