





Towards Web Model paradigm: An AIP-8 Exploitation

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Coordinating an Observation Network of Networks EnCompassing saTellite and IN-situ to fill the Gaps in European Observations

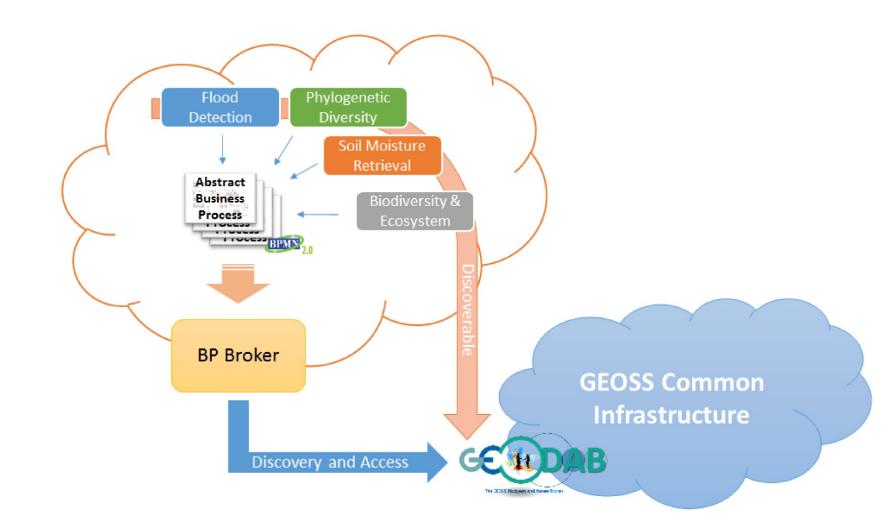


CFP: Build toward the vision of Model Web

- A pilot in response of GEOSS Architecture Implementation Pilot – phase 8 CFP (AIP-8)
- Concept: build a pool of web processing services based on OGC WPS protocol and paradigm
- Not a single workflow, but a set of different implementations of multiple domains models/algorithms

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Including also an external web service workflow





Target components

- Flood detection (SAR).
- Soil moisture retrieval (SAR)
- Biodiversity classifications (landcover/landuse, habitat maps)
- Bio/phylogenetic diversity
- All models also included exploitation datasets already calibrated/registered/preprocessed for the purpose

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Implementation status

- WPS 1.0 service up and running (pyWPS 3.2)
- PhyloH process already working and now geospatial enabled
- Soil moisture retrieval process almost ready
- On going work on other services due and ready for mid/end July
- All services are async (long run) with a job queue paradigm (*a la* WPS 2.0) implementation.

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