

TOWARDS AN ICT INFRASTRUCTURE FOR THE COS

From modules to an integrated system: the SWIT case

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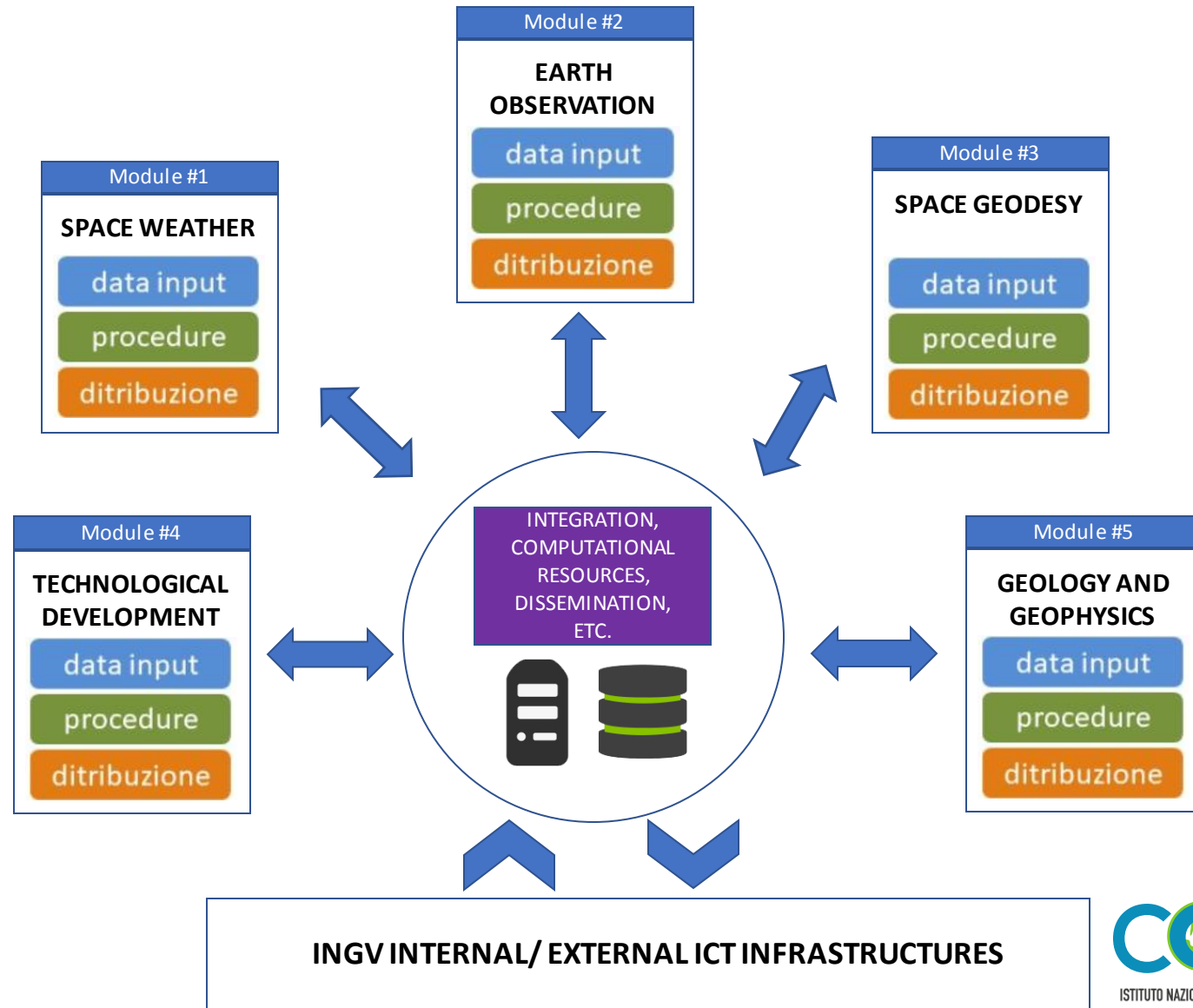


ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA 

THE IT SYSTEM IN A NUTSHELL

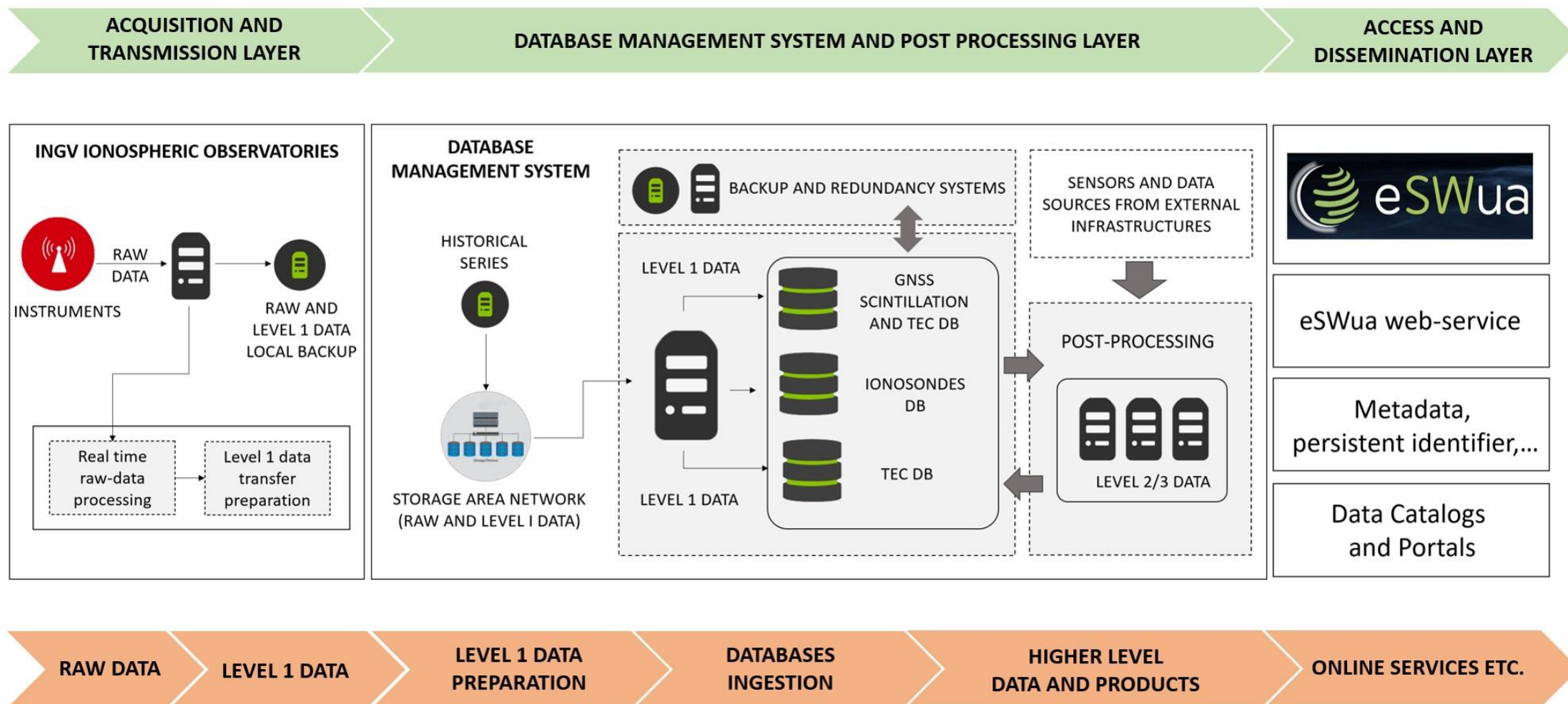
The future IT infrastructure for the COS should be able to:

- integrate data, products and services from the different operative modules of the COS.
- provide computational resources to the operative modules.
- pave the way towards development of higher value products and services.
- provide a common framework for the data/products/services dissemination
- adopt best practices inspired to the principle of FAIR data and TRUST digital repository.
- be interoperable with the other IT system at INGV (ex. Data registry, etc.)



MODULE EXAMPLE: THE SWIT SYSTEM

The Space Weather Information Technology (SWIT) is the IT system that manage the whole life-cycle of the data produced by the INGV ionospheric monitoring network, from the acquisition to the dissemination

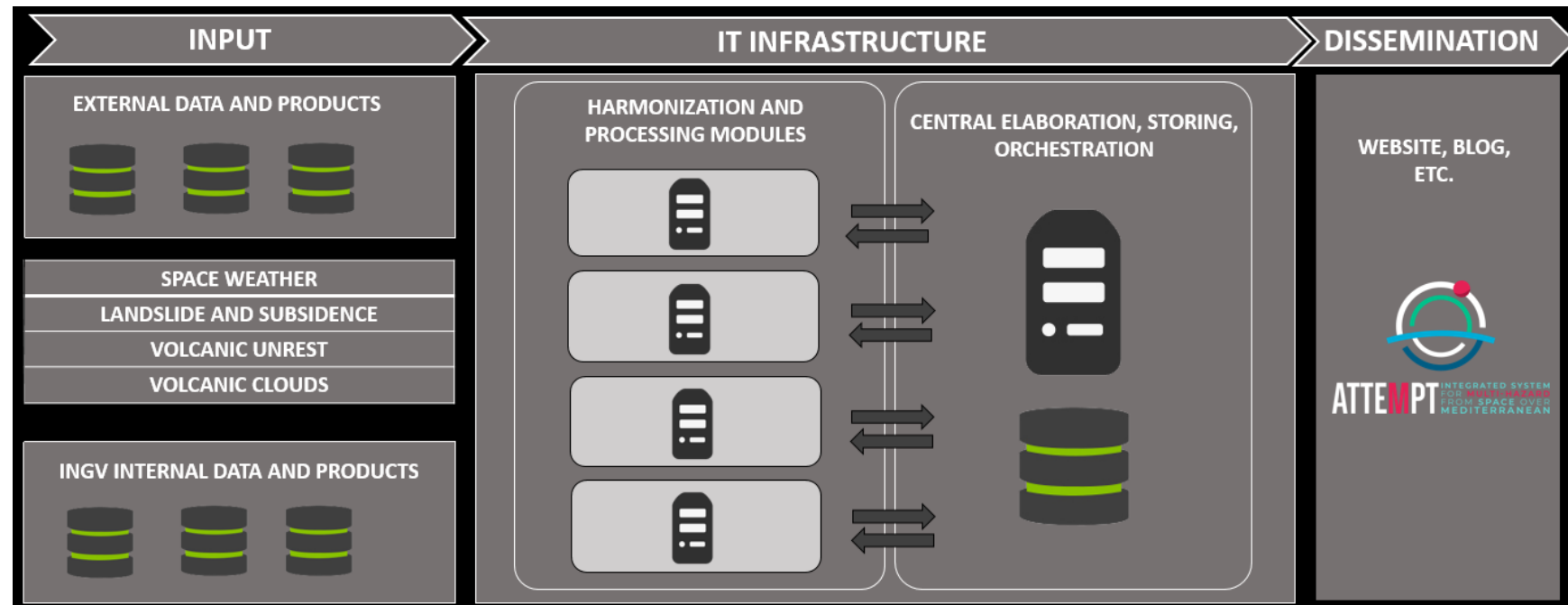


EXAMPLE OF AN INTEGRATED SYSTEM: THE IT PROTOTYPE FOR THE ATTEMPT PROJECT

The ATTEMPT (integrATed sysTEM for Multi-hazard from sPace over mediTerranean) project (in the framework of Pianeta Dinamico) will realize a prototype of an IT infrastructure that will integrate data and products from interdisciplinary fields.

KEYWORDS:

- ☐ Modularity, scalability and reuse
- ☐ Open-source, Creative Common
- ☐ Services
- ☐ INGV infrastructure intergration
- ☐ All data compliant to INGV data policy and FAIR principles



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