

UPDATE FROM COPERNICUS

- COPERNICUS REFERENCE DATA ACCESS NODE (CORDA)
- EU-DEM & EU-HYDRO

EUROGEOGRAPHICS POLICY KNOWLEDGE EXCHANGE NETWORK
6 MAY 2015, LEUWEN
FRANÇOIS CHIRIÉ - IGN FRANCE

CORDA ACCESS NODE

INTRODUCTION TO CORDA

■ SERVICE CONTRACT AWARDED BY EEA

- covering technical support for set-up and maintenance of the COpernicus Reference Data Access node (CORDA)
- Awarded to a Spanish company named Bilbomática
- Value 2,25 M€

■ CORDA IS PROPOSED AS A SINGLE ENTRY-POINT NODE

- hosted and maintained at EEA
- to facilitate quick and easy exploration and access to the national and/or regional geospatial reference data in EEA39 countries
- will provide access to the pre-selected national and/or regional reference datasets linked to INSPIRE Annex I and II
- addressing essential reference data needs of the Copernicus Land Monitoring and Emergency Management services

CORDA: SYSTEM SCOPE

■ PERMANENT OPERATOR AT EEA

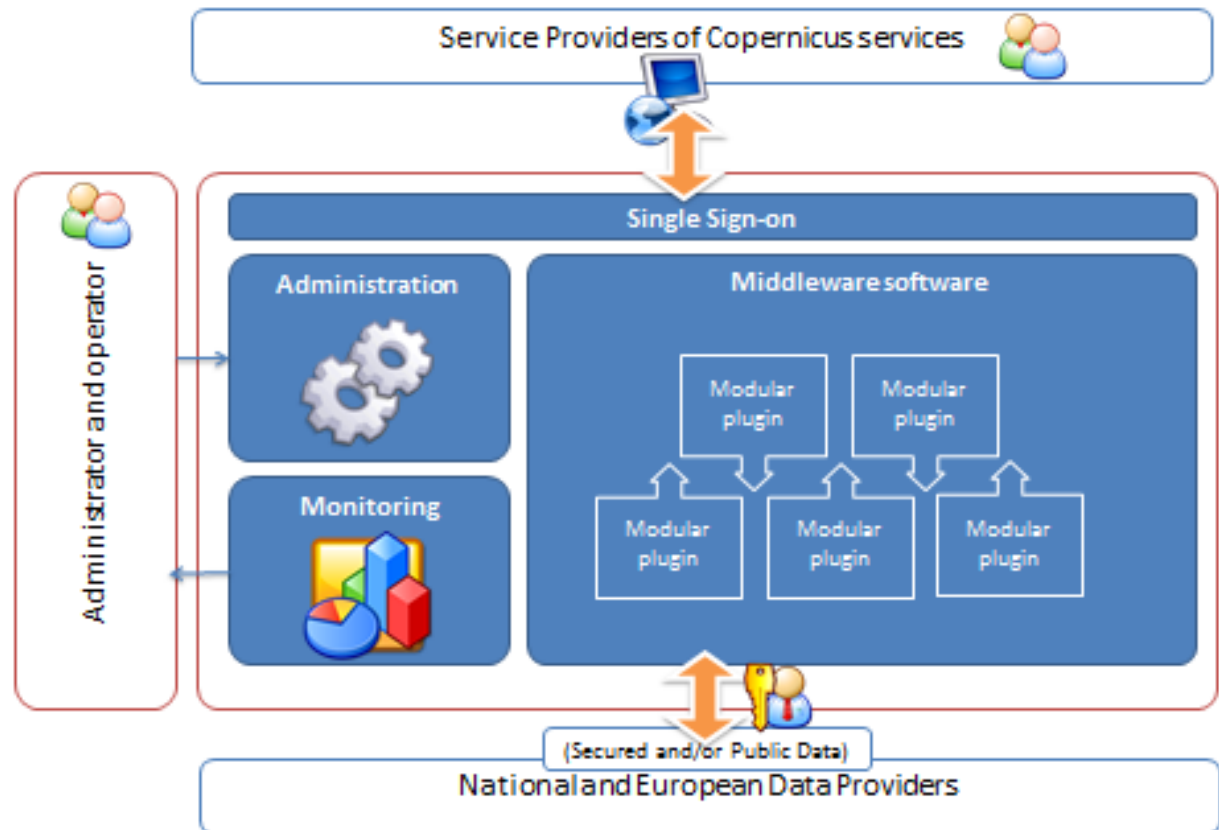
- manage, prepare and structure datasets for CORDA end users

■ A SINGLE PAN-EUROPEAN REFERENCE DATASET:

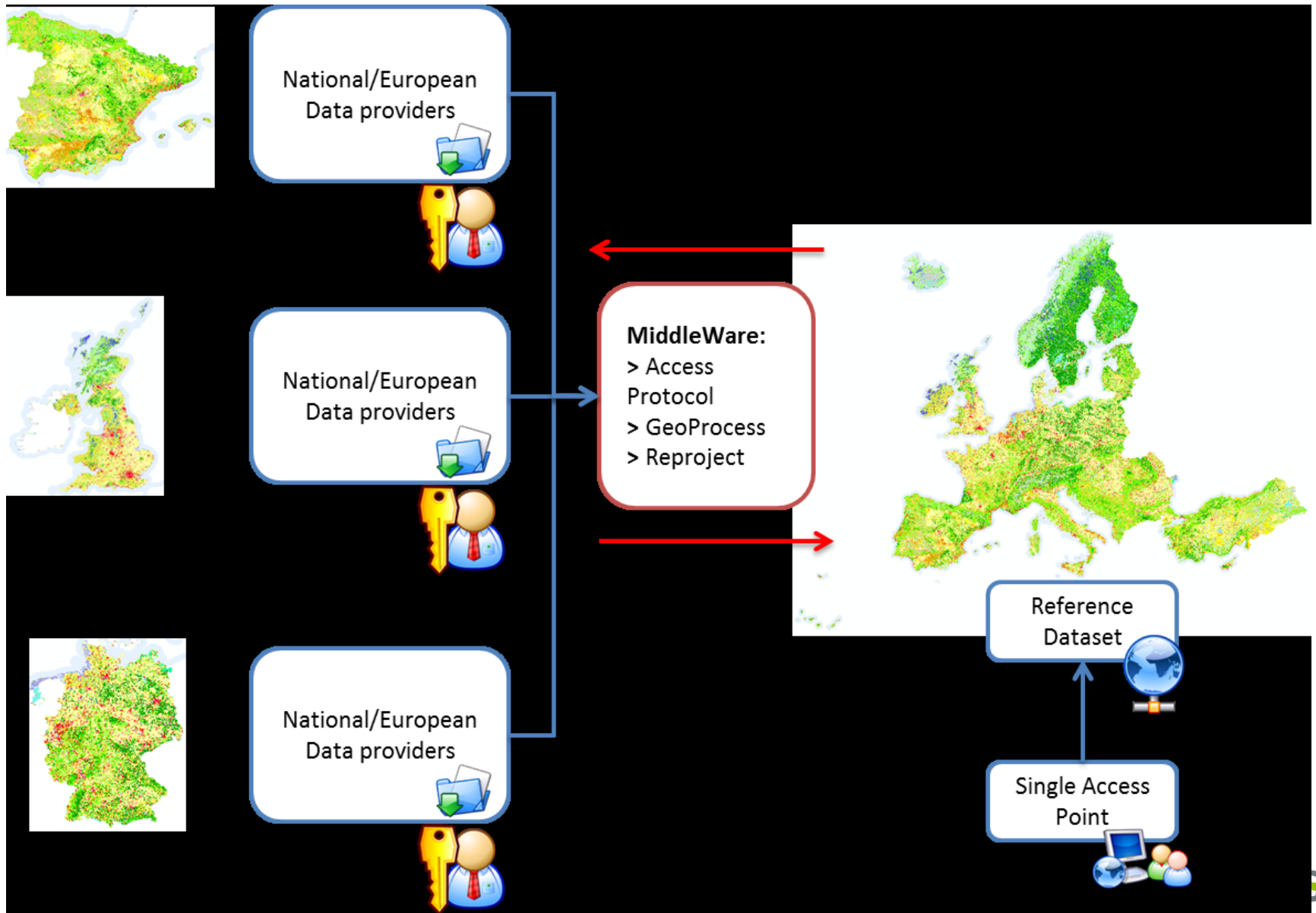
- many individual components supplied by **data providers** who will provide **access points to the data** (such as **web services**)

■ OPERATOR:

- **monitor the changes of these accesses**, and contact the data providers when access points fail
- searching, collecting and improving the existing reference datasets



CORDA MIDDLEWARE USED TO CREATE REFERENCE MOSAIC DATASET



CORDA: ISSUES

■ INTEGRATION ISSUES TO BE SOLVED BY CORDA

- data being produced in non-compliant national or European **projections**
- compatibility issues between web access points (**web protocols** might be **different** in version or type)
- CORDA should allow end users to seamlessly integrate with the reference datasets provided through CORDA using their own GIS software of choice, and **harmonisations of these technicalities** is very important through **middleware**

■ SAME KIND OF INTEGRATION ISSUES ADDRESSED BY ELF

- Some duplication
- Necessity to well connect ELF and CORDA

■ DATA HARMONISATION

- **not** under the CORDA mandate
- EEA “see this as being one of the **key functions of the upcoming ELF project**, and is confident that ELF will enhance many of the source datasets being explored and used through the CORDA platform.”

EU-DEM & EU-HYDRO

NEW PRODUCTION CONSORTIUM

■ SERVICE CONTRACT AWARDED BY EEA

- Asks to improve EU-DEM and EU-HYDRO products
- Value 1,75 M€
- Awarded to a consortium led by a Spanish company named INDRA
- Includes one NMCA (IGN Spain)
- Has an upgrade alternative which uses MS data – but it is not certain that this option will be taken in use