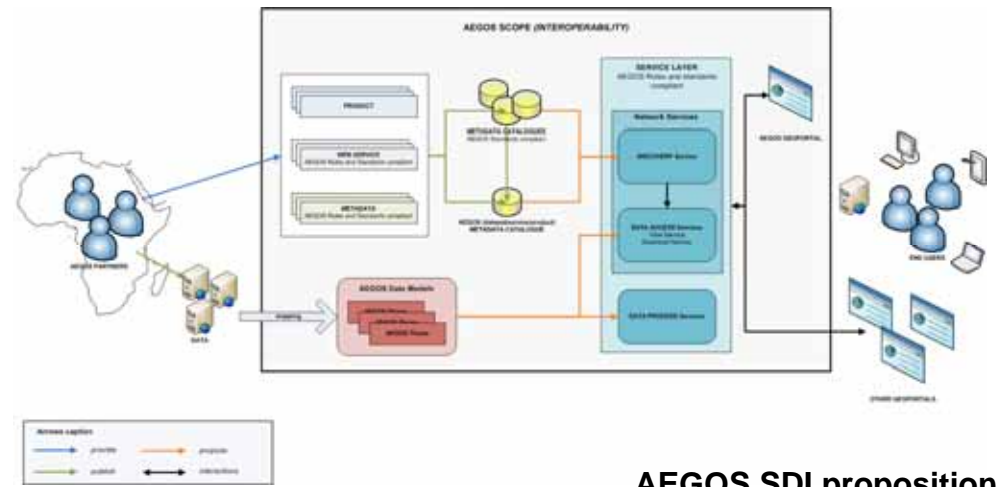


AFRICAN-EUROPEAN GEORESOURCES OBSERVATION SYSTEM

Work Package 1: Spatial Data Infrastructure, Reference Model, Metadata and Data Specifications

- > Based on the concepts, principles and recommendations included in the INSPIRE Directive;
- > Build an open and interoperable Spatial Data Infrastructure (AEGOS SDI);
- > Define a Reference Model (AEGOS RM);
- > Define a metadata profile;
- > Define common data models according to the AEGOS themes.



AEGOS SDI proposition

WORK PACKAGE OUTCOMES

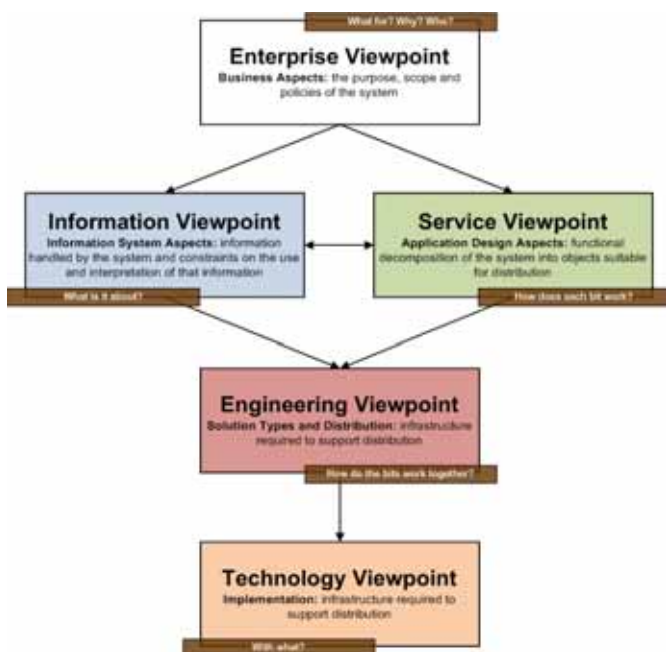
- > Analysis of existing Spatial Data Infrastructure Reference Models, metadata and data specifications:
 - a description of existing SDI reference models and an identification of general components;
 - a survey of existing international standards for metadata and data specifications;
 - a survey of existing African initiatives on metadata collection, data models and application of international standards.
- > Definition of the AEGOS data management specifications:
 - the optimal organisation of the main components and their relationships;
 - a metadata profile and its encoding rules;
 - a methodology to specify and design data models.

FIRST WORK PACKAGE RESULTS

- > Analysis of existing SDI reference models, metadata and data specifications;
- > Release of deliverable D1.1: workshop 1a proceedings "Existing initiatives, standards and methodology for metadata and data specification";
- > Release of deliverable D1.2: report of the state-of-art, identification of best practices and bottlenecks for data management.

ONGOING ACTIVITIES

- Refine the SDI proposition according to the synthesis of existing structures and state-of-the-art in order to define an AEGOS SDI (i.e. organisation of the mains components and their relationships) ;
- Define an AEGOS metadata profile and encoding rules;
- Select relevant metadata instances;
- Propose a methodology on domain modelling (data specification) based on standards and according to end-user requirements.



AEGOS RM proposition

Work Package 16 Partners:

Ghana(GSD), France (BRGM), Czech Republic (CzechGS), Finland (GTK), Germany (BGR and Beak), United Kingdom (BGS), Portugal (INETI), South Africa (CGS), Uganda (GSM), Ethiopia (GSE), Guinea (DNG), Belgium (RBINS) and international organisations (EU/JRC, SEAMIC, UEMOA).



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