

The objective of the Energy Community of practice (ECP) is to support GEOSS outcomes related to the application of Earth Observation data for energies. Join the Energy Community of Practice, contact the Co-chairs:
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Objectives of the ECP

Support GEOSS outcomes related to application of EO data for energies. Relevant areas are:

- Siting
- Design
- Yield estimation
- Resource monitoring
- Forecasting
- Integration
- Operation
- Trading
- Environmental monitoring

Energy community:

users of the energy, suppliers of systems and components, electricity transmission and distributions operators, heat distributors providers of services, value adders, market players

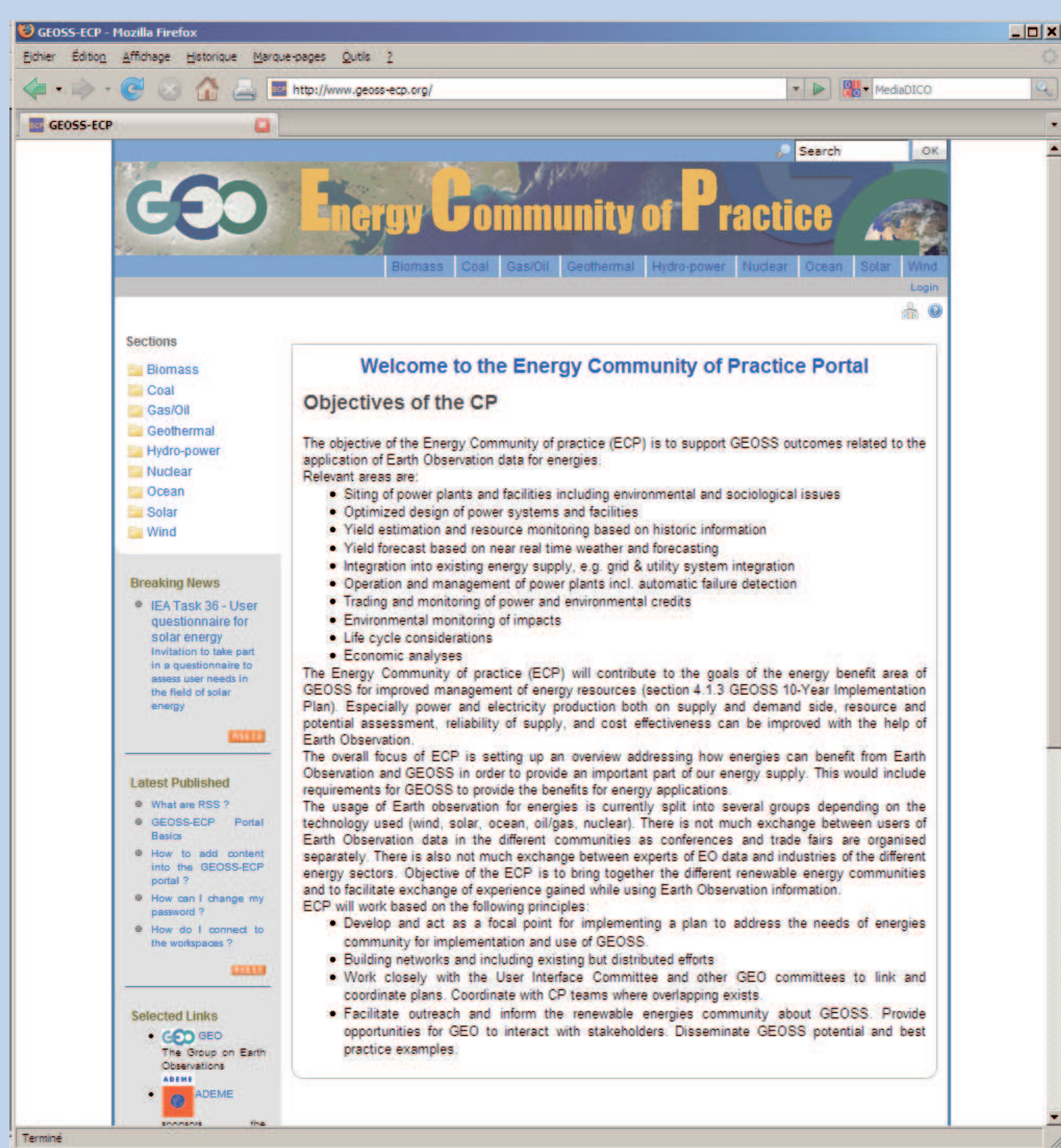
Gaps identified by users

Several projects as e.g. ESA EOMD projects ENVISOLAR, EO-WINDFARM and EO-HYDRO have shown shortcomings:

- Data are hard or costly to access
- Form difficult to interpret
- Quality information unknown
- User involvement in product definition is missing
- Delays in data access
- Handling of large data amounts
- NRT chains of data supply are not reliable enough
- Spatial and temporal coverage not optimized for energy needs
- Standardization not sufficient
- Different data sources difficult to handle
- Lack in long-term funding of EO providers, project-based data
- Long-term archives not funded

Collaborative Web Content Management System for ECP

The realization of the Web site was supported by ADEME.



Goals

- Provide the ECP with a web based infrastructure that allows multiple persons to effectively contribute content and to collaborate through a single access point
- Information lifecycle encompass: creation, edition, management, publication, storage of documents for public or private distribution

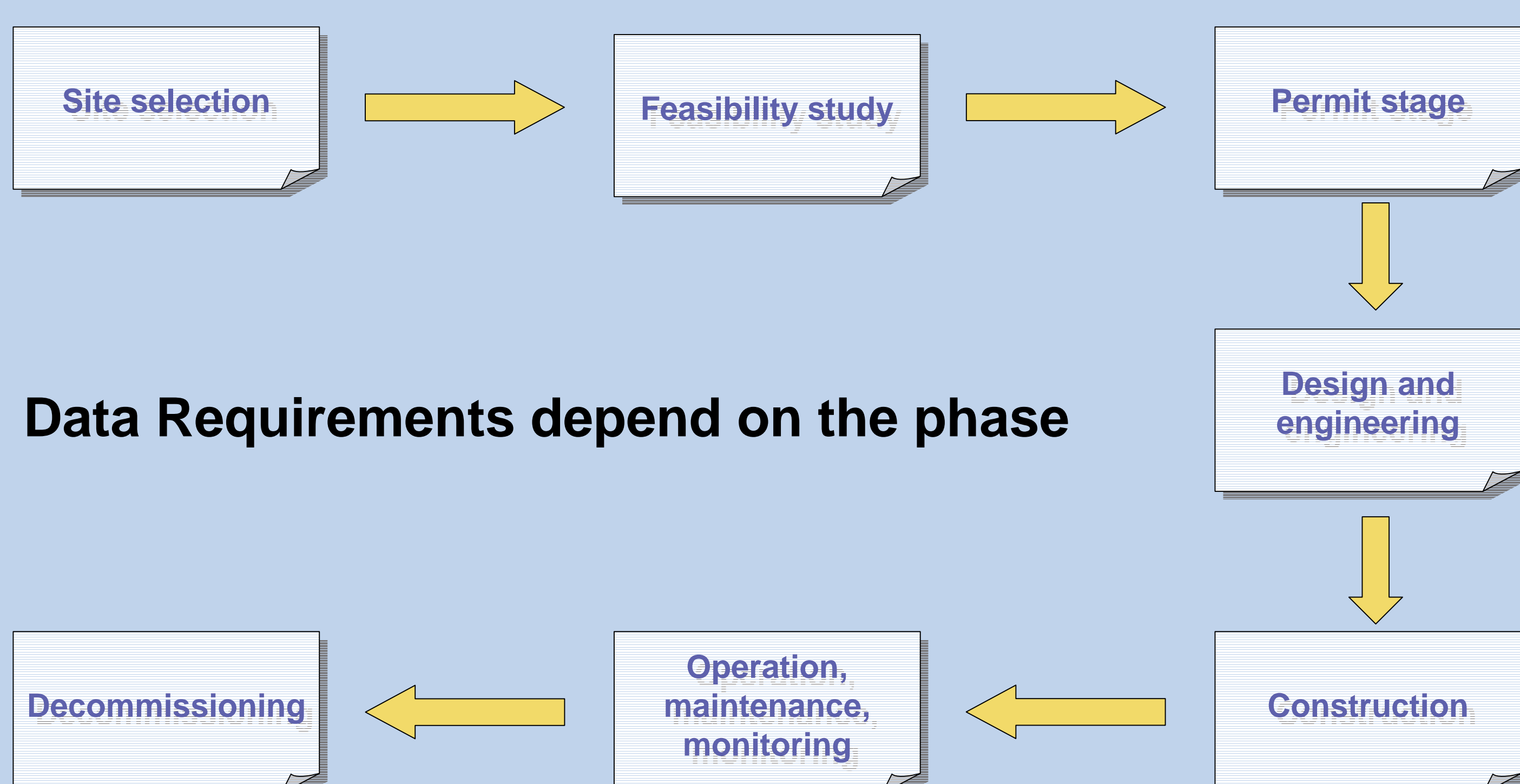
Features

- Based on the Open-Source Zope / CPS platform
- Fully extendable, fast and easy deployment
- Best of breed rich services including: single sourcing, indexing, versioning, metadata management, localization & translation, subscription, notification, commenting, directories management (user, groups, directories), content scheduling and syndication

Benefits

- Empower experts to make their information available
- Decrease overall costs and publication delays
- Presentation consistency improves the value added of the ECP content

Energy systems Life Cycle / Data Needs



Activities

- Establishment of general methodology for Energy Community of Practice work
- Establishment of Community of Practice working groups
- Workshops for users and user surveys – Web based surveys
- Identify existing and anticipated user requirements
- Identify present status and gaps in EO data
- Collect information on standardization:
 - Metadata, protocols, architecture, databases, information...
- Building networks and develop incubation projects
- Favoring business development
- Disseminating and educating about the GEOSS potential and best practices

Visit us: www.geoss-ecp.org