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Dissemination of scientific results. Communicate with other initiatives. Web site of the project

2011-01-14

ENDORSE



Communicate with other initiatives

Aim. Interactions with other initiatives for exchange of information, techniques, standards, best practices, ...

How. Participation to meetings, conferences, workshops... organised by these initiatives and reciprocally in an *ad hoc* basis.

Promotional Material. Web pages, video.

Targeted Initiatives

- GMES Bureau, INSPIRE Team,
 - GEO Secretariat, GEOSS Committees,
 - ESA, EUMETSAT,
 - GMES-funded projects: EnerGEO,
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- Organisations: UNEP, IEA, IRENA, WMO, ECMWF,
 - Industry associations: EPIA, EWEA,
 - Others: EUREC

On-going Actions

Participation to the major FP7 Space conference “Let’s embrace space”, Budapest, 12-13 May 2011.

Contribute to GEOSS Best Practices Wiki.

Exchange with ESA on the SSE (Service Support Environment) and present to ENDORSE Consortium how to declare services (July 2011?).

Web Site. www.endorse-fp7.eu

A means to disseminate knowledge at large.

Presently, no private part. Could be implemented easily if necessary.

Web Site. Home Page

The screenshot shows a web browser window displaying the home page of the ENDORSE FP7 project. The browser's address bar shows the URL <http://www.endorse-fp7.eu/>. The browser's menu bar includes 'Fichier', 'Édition', 'Affichage', 'Historique', 'Marque-pages', and 'Outils'. The browser's toolbar includes back, forward, refresh, home, and search buttons. The browser's tabs include 'SquirrelMail 1.4.8-5.e15_4.10' and 'ENDORSE FP7 project | ENDORSE ...'. The browser's search bar is set to 'Google'. The browser's status bar shows 'Terminé' and 'January 13-14 2011'.

The website's header features the ENDORSE logo, which consists of a globe held by two hands, and the text 'ENDORSE (ENergy DOWNstReam SERVICES) Providing energy components for GMES'. A search bar is located on the right side of the header, with the text 'Search this site:' and a 'SEARCH' button.

The website's navigation menu includes the following items: HOME, OBJECTIVES, PRE-MARKET SERVICES, WORKSHOPS, PARTNERS, and CONTACTS. The 'HOME' item is highlighted.

The main content area is divided into two columns. The left column is titled 'USER LOGIN' and contains a 'Username:' field, a 'Password:' field, a 'LOG IN' button, and a link for 'Request new password'. The right column is titled 'ENDORSE FP7 project' and contains a paragraph of text and a list of bullet points.

The paragraph of text reads: 'The project ENDORSE aims at a user-driven development of downstream services in renewable energies by exploiting the GMES Core Services (MACC, SAFER and Geoland 2) together with other EO/in-situ data and modelling. It addresses regional services promoting the energy use from sun, wind, and biomass, electricity grid management and building engineering through daylighting in buildings. The consortium has teamed with relevant users to stimulate the development of sustainable and transferable downstream services. ENDORSE will

The list of bullet points includes:

- develop and validate **pre-market downstream services** in collaboration with well-defined end-users by performing R&D activities;
- assess the conditions for **self-sustainability** of these services through surveys and workshops with end-users;
- disseminate the achievements of the project to foster the **use of Core Services data and other EO data** by the renewable energies community;
- stimulate the **market of downstream services** in renewable energies towards the end-users community, and the development of such services by **SMEs and other service-oriented companies** by demonstrating precursors with documented conditions of sustainability.

Web Site. Tabs

The screenshot shows a web browser window with the following elements:

- Browser Interface:** A menu bar with 'Fichier', 'Édition', 'Affichage', 'Historique', 'Marque-pages', and 'Outils'. The address bar shows 'http://www.endorse-fp7.eu/'. The taskbar includes 'SquirrelMail 1.4.8-5.el5_4.10' and 'ENDORSE FP7 project | ENDORSE ...'.
- Page Header:** 'RSE (ENergy DOWnstReam Services)' in large blue font, with the tagline 'gy components for GMES' below it.
- Search:** A search box with the text 'Search this site:' and a 'SEARCH' button.
- Navigation:** A horizontal menu with buttons for 'HOME', 'OBJECTIVES', 'PRE-MARKET SERVICES', 'WORKSHOPS', 'PARTNERS', and 'CONTACTS'. The 'HOME' button is highlighted in green.
- Main Content:** A large blue horizontal bar, followed by a light green section with the heading 'ENDORSE FP7 project'. Below this, a scrollable text area begins with 'The project ENDORSE aims at a user-driven development of downstream services in renewable energy by exploiting the GMES Core'.
- Footer:** The word 'Terminé' is visible at the bottom left of the page content.

Web Site. Pre-market E1

The screenshot shows a web browser window with the address bar displaying <http://www.endorse-fp7.eu/load-balancing>. The browser's menu bar includes 'Fichier', 'Édition', 'Affichage', 'Historique', 'Marque-pages', and 'Outils'. The page content is as follows:

Home

Load balancing within electricity distribution grids enabling high penetration of photovoltaic power systems

The service is entitled "load balancing within electricity distribution grids enabling high penetration of photovoltaic power systems".

Expectations of the prime-users: The operators of electricity grids face increasing shares of photovoltaic power systems in their grids. The fluctuation of the power due to variation in the sunlight will cause problems for the grid stability in the future. Therefore the grid operators want to learn in advance how a larger fraction of solar power will influence the grid. For the safe grid operation load forecasts are needed for the scheduled operation of conventional power plants. The grid management needs to know in which way solar power could be integrated in the load forecast and the scheduling of conventional power plant operation. An accurate knowledge on the behaviour of solar power at the utility level is a prerequisite for the development of energy services and load balancing.

Objectives of the service: Providing global solar radiation data at 15 min time resolution and high spatial resolution during analysis phase. Solar power forecast on a local level with high spatial and time resolution is needed for the operation of distribution grids with high penetration of PV and the load balancing service.

Innovation: Analysis on the influence of solar power in local grids has been done so far only with artificial grid models. Within ENDORSE, the detected useful areas for solar systems in the test region will be connected to the local electricity network model and the influence of the solar power will be evaluated at a quarter-hourly time step. The evaluation on the realistic local level and the use of quarter-hourly solar radiation values on the local level has not been done so far. Solar radiation forecasting and nowcasting has been used so far only in research. Within ENDORSE the detailed expectation of the users and the tools and standards in the grid management will be analysed and the lessons learned will be adapted to the design of this service.

At the bottom left of the page, there are logos for the European Union, the 7th Framework Programme, and GEMES.

Terminé

Web Site. Updating

Pages on pre-market services will be updated following progress of the work.

Information on workshops could be held here, including registration forms, details, presentations, and public documents

Web Site. Improvements

A 'publication' item will be added. It will hold brochures, scientific publications (text or URL, if permitted by copyright), and public deliverables.

Suggestion: item "meetings". Will hold agenda, details of venue, presentations, in PDF format.

Other suggestions?