supporting the awareness of European EO activities

EuroGEO Showcases: Applications Powered by Europe

EOwiki aims to support the awareness and the communication of EO activities from academia, research and the commercial sector. It is a tool to display to non-EO users how EO is currently used, develop the awareness of EO users which are not specialists and to promote EU capabilities.

EOwiki for e-shape will enhance the promotion of the e-shape pilots and the engagement with new communities of users: starting from the EO taxonomy, the web user can navigate and identify how EO is used through the e-shape success stories, enhancing the visibility of the e-shape pilots. The platform – through the e-shape capacity building best practices – helps pinpointing gaps and opportunities from the end-user point of view, and presenting trends on technology and marketplace developments.

EO Taxonomy

This area provides the top-level structure of the **taxonomy of Earth Observation services**, helping to define a **common language** of EO products and services between communities. Here, the web user can find EO services organised at **market and thematic level**.

- Agriculture
- Health
- Renewable Energy
- Ecosystem
- Water
- Disaster
- Climate

Best practices

This section provides comprehensive insights into **user-related challenges and geo-information requirements** coupled with **concrete Earth Observation services**.

- Agriculture
- Disaster
- Climate

Sustainability

e-shape aims to support the long-term economic sustainability and – where applicable – the commercialisation of each pilot. This section through the Technology Watch and Market keeps you up to date on the latest **technology and applications** on products and services in the remote sensing sector.

Discover the e-shape sustainability booster featuring a suite of services: market and technology trends, policy priorities, intellectual property rights and business guidance.

Success Stories

This area provides the e-shape pilots success stories per corresponding showcase. The table is intended **for interested user communities to facilitate the identification of relevant applications** for the user. For this purpose, these success stories provide the potential user with customer experience, needs, challenges, and final operational results allowing the best understanding of the service added value. To know more about the e-shape pilots communication success stories and how they achieved the e-shape objective, click here.

Showcase Agriculture	Showcase Health	Showcase Energy	Showcase Ecosystem	Showcase Water	Showcase Disasters	Showcase Climate
The Food Security & Sustainable Agriculture Showcase; Remote Sensing Based Crop Monitoring For Early Warning - The GEOGLAM Crop Monitor Impact	The GOS4M Knowledge Hub Designed For End-Users To Assess The Effectiveness Of Measures Undertaken Under The Minamata Convention On Mercury	High PV Penetration In Urban Area	EO Data In Support Of Protected Areas Monitoring	EOs Adding Value To Historical Water Availability And Quality Information Services	Integration Of EO And Model Data For The Monitoring Of Volcanic Plumes Critical To Aviation: The Mt Etna Case Of 12 March 2021	Harvester Season
Identification Of Synergetic SDGs Using Heterogeneous Data And Deep Learning Models	EYWA - EarlY WArning System for Mosquito-Borne Diseases	Offshore Winds And Resources	Valorising Long-Term Observation Data	How Satellite Earth Observation Can Help With Monitoring For The Water Framework Directive	A complete meter-hydrological chain to support early warning systems from weather scenarios to flooded areas: the Apollo medicane use case	Successful Integration Of EO-Based Observations And Machine Learning In Spring Peak Flow Forecasting

DynaCrop – Unlocking EO Services For The Food Production Value Chain	Global tool for POPs monitoring	A solar nowcasting, forecasting system and atlas to guide energy management and planning in Egypt	Optimizing Biodiversity Conservation in the Tropical Andes: Tailoring Essential Biodiversity Variables to Policy Needs	How observation of Sargassum west of Africa helps the Caribbean to prepare for seasonal influxes of Sargassum	Improved well-field management with Sentinel-1 SAR data	Seasonal and decadal climate predictions for German state capitals
The Food Security & Sustainable Agriculture Showcase; Supporting Agro Industry With Data				Proactive pipeline maintenance with Rheticus Network Alert	Flood Risk & Impact assessment through automatic change detection of S-1+S-2 images (FRIEND pilot)	Sub-seasonal and seasonal forecasts for winter maintenance activities in cities
European Earth Observations Leading Global Vineyard Innovation				Simple Water Visibility Information for Dive Planning	MountaiNow	Future climate projection of heat indices for Austrian major cities
					Agrowth: A Satellite Based Crop Monitoring Platform	CRITERION service
						Sub-seasonal to seasonal predictions for tyre companies

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