

List of EO Success Stories

- 2013 Insurance Flood Trial
- A complete meteo-hydrological chain to support early warning systems from weather scenarios to flooded areas: the Apollo medicane use case
- Agrowth: A satellite based crop monitoring platform
- A live map of mountain hazards for the Alps and the world
- A solar nowcasting, forecasting system and atlas to guide energy management and planning in Egypt
- Assisting urban planning activities
- Bathymetry for offshore exploration
- Bering Sea Project
- CGI- eSURGE
- CGI-Live land
- CRITERION service
- Current meter location study
- Current vein location
- Demystifying Global Oil Stocks Using Geospatial Intelligence
- Determine meteorological and oceanographic conditions
- DMCii supports the fight with illegal logging in the Amazon
- Draft
- DynaCrop – unlocking EO services for the food production value chain
- Ecosystem valuation and change: Sullom Voe Terminal, Shetland Islands
- Environmental impact of road construction
- EO data services for management of coastal zones
- EOs adding value to historical water availability and quality information services
- European Earth Observations Leading Global Vineyard Innovation
- EUROSENSE- Forest monitoring
- EUROSENSE-Land cover monitoring
- EYWA- Early Warning System for Mosquito Borne Diseases
- Flood Risk & Impact assessment through automatic change detection of S-1+S-2 images (FRIEND pilot)
- Forest cover mapping in Cambodia
- Forest Management in Sweden
- Future climate projection of heat indices for Austrian major cities
- GIO water and wetlands
- Global tool for effective POPs monitoring
- G-NEXT: GMES pre-operational security services for supporting external actions
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- Habitat impact assessment: Deepwater Horizon incident in the Gulf of Mexico
- Habitat Monitoring
- Harvester Season
- High PV Penetration in urban area
- How Geospatial technologies can support the planning and operation of power farms
- How observations of sargassum west of Africa helps the Caribbean to prepare for seasonal influxes of Sargassum
- How satellite Earth Observation can help with monitoring for the Water Framework Directive
- Identification of synergetic SDGs using heterogeneous data and deep learning models
- Image support for land tenure mapping
- Implementing & managing agriculture projects
- Improved Flood Warnings on ice-bound rivers
- Improved well-field management with Sentinel-1 SAR data
- Improving seismic surveys; planning, acquisition and processing
- Improving waste management practices
- Infrastructure Development Planning
- Integration of EO and model data for the monitoring of volcanic plumes critical to aviation: the Mt Etna case of 12 March 2021
- Joint analysis of hydrocarbon potential in Ireland's Porcupine Basin
- Kopie von Forest Management in Sweden
- Lidar data processing
- List of EO Success Stories
- Mapping and monitoring forest changes
- Mapping long term trends in deforestation in tropical regions
- Measuring surface wind with high resolution radar
- Monitor illegal forestry
- Monitoring Dredging Plumes and Water Quality
- Monitoring service for railways
- New UNESCO world heritage thanks to remote sensing and 4D GIS technology
- Ocean Model Circulation Operational Validation
- Ocean Model validation
- Offshore winds and resources
- Oilfield performance study: Ghawar oilfield (Saudi Arabia)
- Oil Field reservoir monitoring with INSAR in the Middle East
- Oil-sands Watershed Disturbance Monitoring
- Oil seep and seismic correlation study for the Adriatic Sea
- Oil spill disaster in Gulf Of Mexico
- Oil tanker loading: River Plume Localization
- Operational risk in ice-prone waters
- Optimizing Biodiversity Conservation in the Tropical Andes: Tailoring Essential Biodiversity Variables to Policy Needs
- Pipeline Encroachment Monitoring
- Pipeline Infrastructure in the Netherlands
- Pipeline Integrity Management from Space (PIMSyS)
- Proactive Pipeline Maintenance with Rheticus® Network Alert

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- Provision of 3D Mapping Data to the Indonesian Government Geological Survey
- Railway Line Monitoring
- Relief after Earthquake damage
- Satellite based detection of oil spills
- Satellite based oceanography
- Satellite-based oil spill detection
- Satellite based oil spill detection and impact assessment – The chronology of the Deepwater Horizon Accident
- Satellite based vessel detection
- Satellite images contributing to rescue persons
- Seasonal and decadal climate predictions for German state capitals
- Sea turbidity monitoring
- Seismic Planning and Flood Assessment in Kenya
- Seismic Planning and Flood Assessment in Peru
- Shale Development: Using Imagery and DEMs to Improve Operation Efficiency
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- Ship arrival time service
- Ship piracy and wave data
- Shore Type Mapping used to reduce oil spill impact
- Simple Water Visibility Information for Dive Planning
- Soft ground mapping: Western UAE
- Sub-seasonal and seasonal forecasts for winter maintenance activities in cities
- Sub-seasonal to seasonal predictions for tyre companies
- Successful Integration of EO-Based Observations and Machine Learning in Spring Peak Flow Forecasting
- Supporting agricultural and food security decisions
- Surface Deformation Monitoring with InSAR
- Surface geological mapping: Gulf of Suez, Egypt
- System for monitoring law enforcement of informal mining
- Table of Success Stories
- TanDEM-X & TerraSAR-X support to REDD+ MRV
- TerraSAR - X 3D mapping geological survey in Indonesia
- TerraSAR-X & TanDEM-X contribution to REDD+ MRV
- TerraSAR - X support to deforestAction in Borneo
- TerraSAR-X support to DeforestAction in Borneo
- The Food Security & Sustainable Agriculture showcase; Remote sensing based crop monitoring for Early Warning - The GEOGLAM Crop Monitor Impact
- The Food Security & Sustainable Agriculture showcase; Supporting Agro industry with data
- The GOS4M Knowledge Hub designed for end-users to assess the effectiveness of measures undertaken under the Minamata Convention on Mercury.
- Thermal & Carbon efficiency
- Tidal level and currents
- Validating Space Observations for Flooding with Crowdsourcing In-Situ Observations
- Valorising long-term observation data
- Winter navigation in the Baltic