

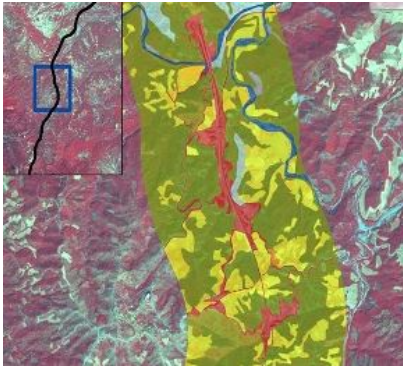
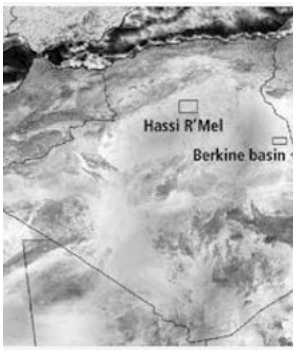
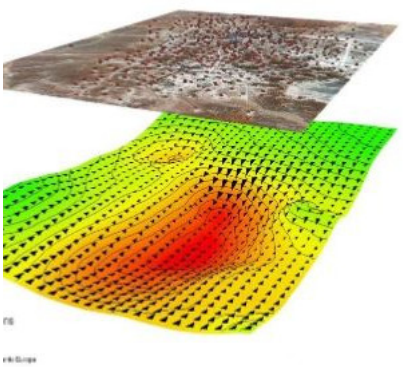
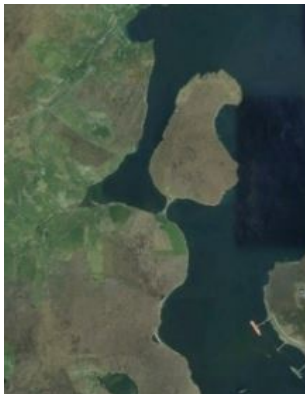
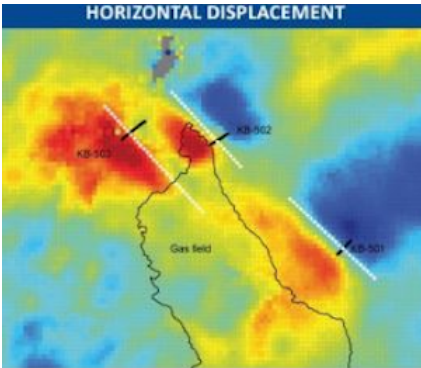
EO in Action

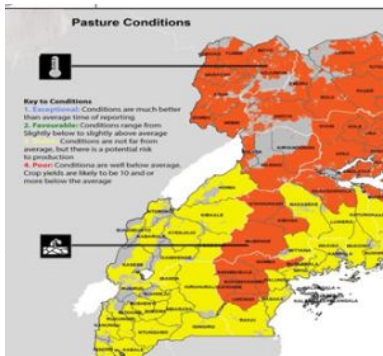
This area provides a consolidated list of success stories contained within the EO Wiki. To find success stories linked to particular products or applications, go to the appropriate product page where the relevant success stories are listed. To view the success stories, go through the gallery below, or use the [FILTERED LIST](#) to search for specific use cases.

Use the search tab to discover success stories related to the following projects:

- e-shape
- NextGEOSS
- SeBS

Land

		
Environmental impact of road construction	Assessing geese damage in the Netherlands	Surviving in remote regions
		
Monitoring oil reservoirs	Surface geological mapping: Gulf of Suez, Egypt	Ecosystem Valuation And Change: Terminal, Shetland Islands
		
Soft ground mapping: Western UAE	Surface deformation monitoring with InSAR	Regional oil-sand watershed



Remote sensing based crop monitoring for Early Warning



Forest monitoring



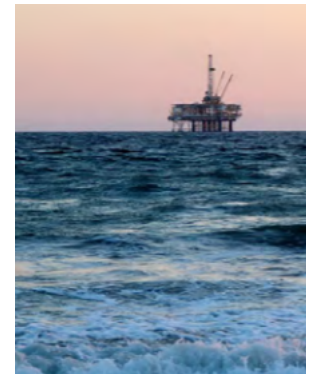
Proactive Pipeline Maintenance with Network Alert



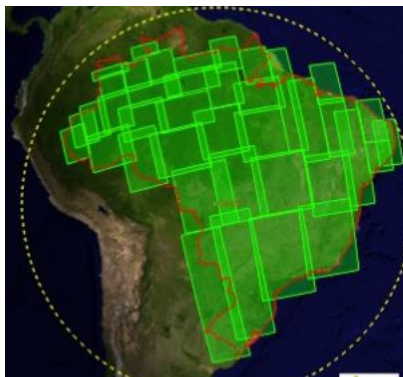
HSRG-EO based surveillance of mercury pollution (Minamata Convention)



Golf course monitoring in Italy



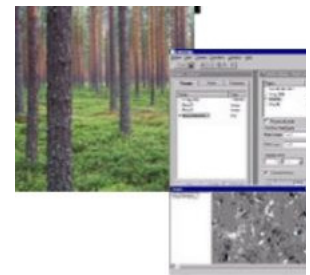
Global oil industry activity monitoring



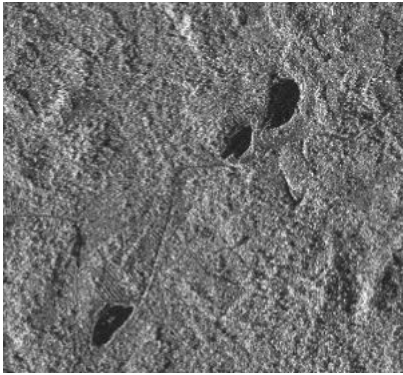
DMCii supports the fight with illegal logging in Amazon



Forest cover mapping in Cambodia



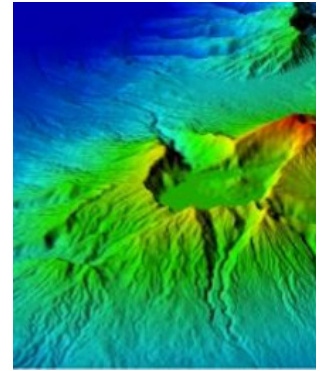
Mapping and monitoring forest change



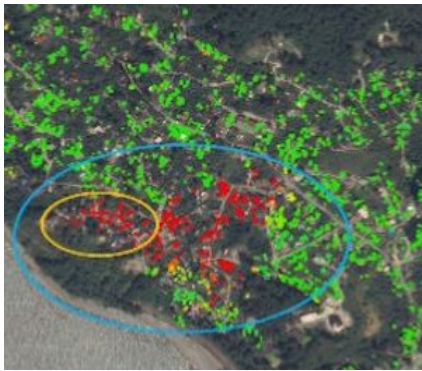
Large scale forest destruction- REDD



TerraSAR-X support to deforestation in Borneo



TerraSAR-X 3D mapping geological Indonesia



Monitoring service for railways



Shale development - Using imagery and DEMs to improve operation efficiency

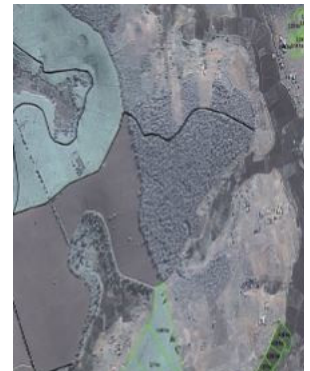
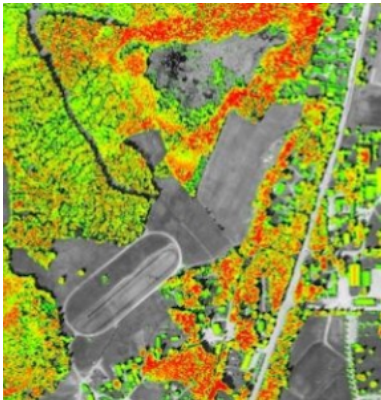
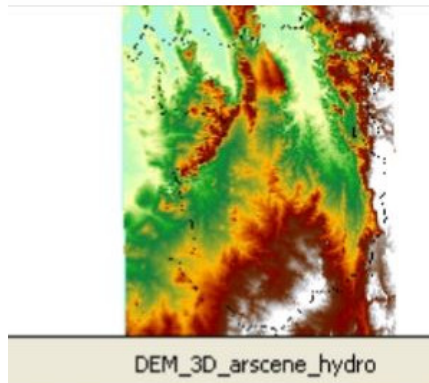


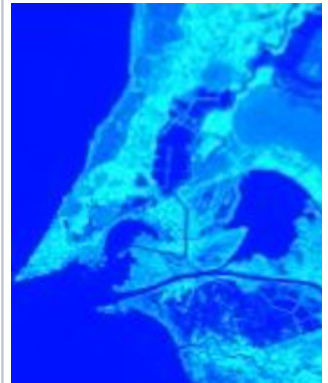
Image support for land tenure m



Lidar data processing



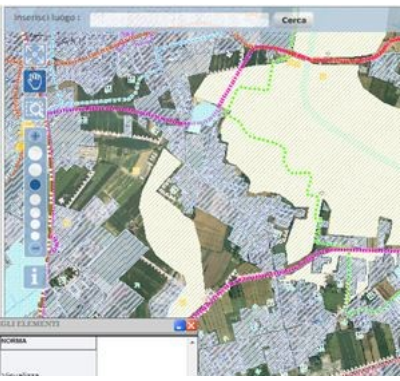
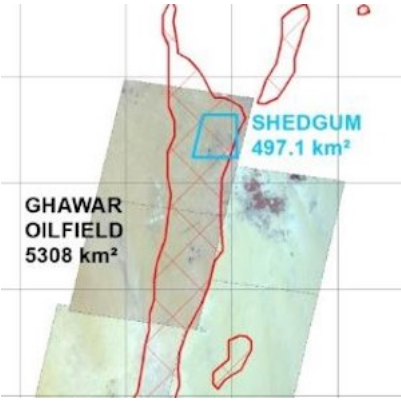
Infrastructure and development planning

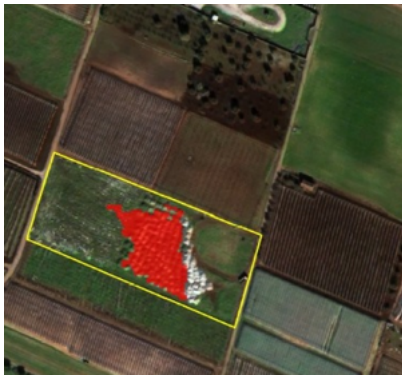


GIO water and wetlands

 agrowth alpha version Agrowth: A satellite based crop monitoring platform	 IKD Identification of synergetic SDGs using heterogeneous data and deep learning models	 NATURA Valorising long-term observati
 eVineyard European Earth Observations Leading Global Vineyard Innovation		

Built Environment

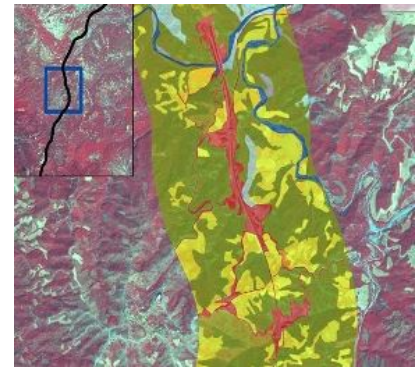
 Optimal design of solar farms	 GHAWAR OILFIELD 5308 km² SHEDGUM 497.1 km² Oil performance study: Ghawar oilfield	 Pipeline encroachment monitoring
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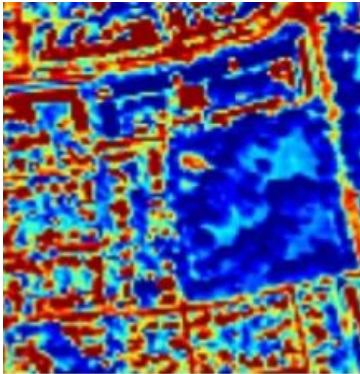
Improving waste management practices



Assisting urban planning activities



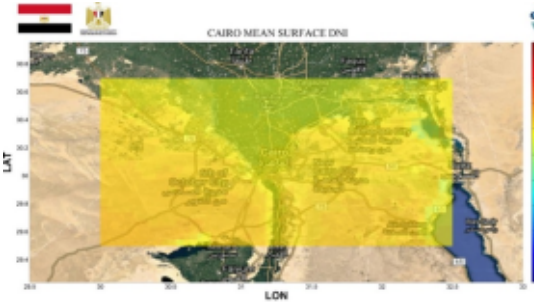
Environmental impact of road construction



Thermcert: Thermal & carbon efficiency reporting tool



Pipeline infrastructure in the Netherlands

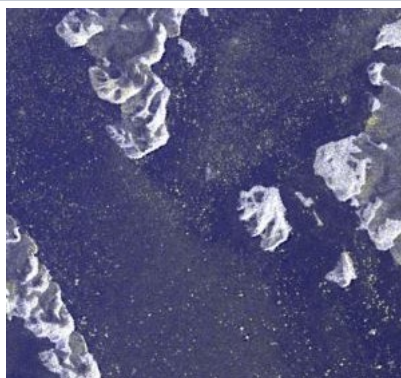


A solar nowcasting, forecasting system and atlas to guide energy management and planning in Egypt

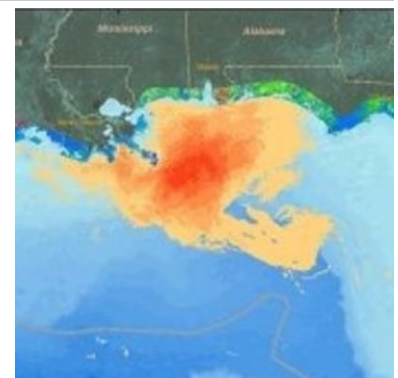
Marine & Maritime



Impact of dredging operations



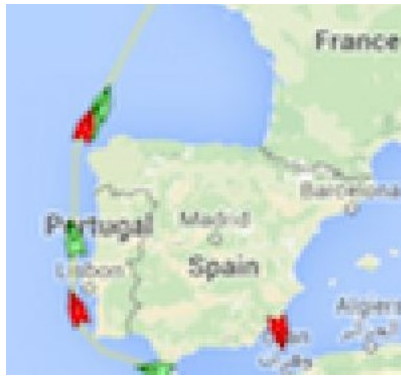
Operational Risk in Ice-Prone Waters



Assess impact of marine oil spills



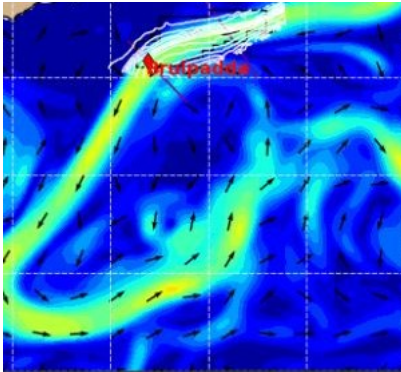
Sea turbidity monitoring



Ship monitoring



Protecting sensitive coastal environments



Current vein location



River plume localisation



Ocean model validation: operational validation



Oil spill disaster in the Gulf of Mexico



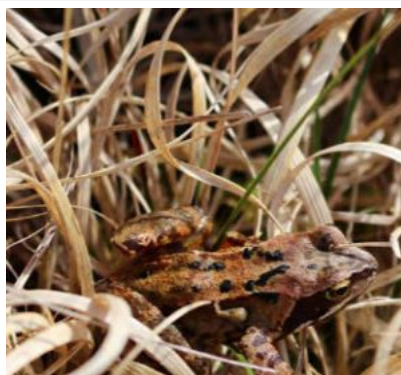
Measuring surface wind



Sea surface slicks



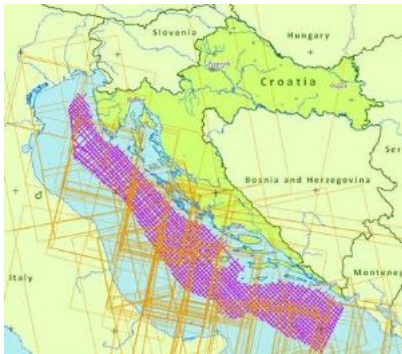
Dredging in the Maldives



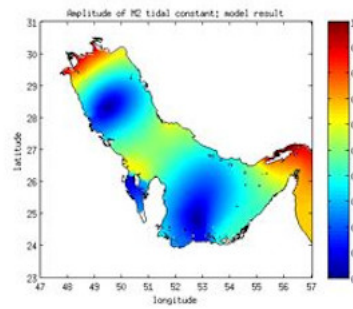
Peatland management in the UK



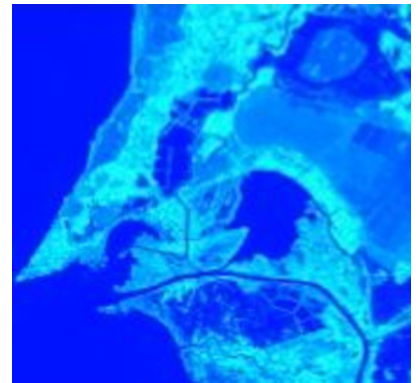
EOs adding value to historical water availability & quality information services



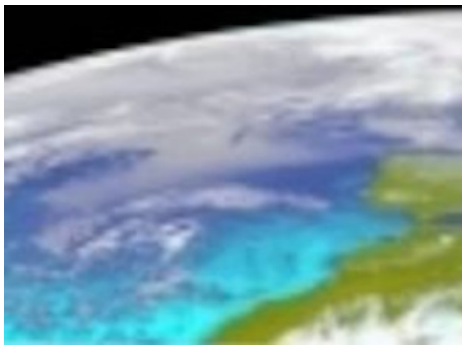
Oil seep and seismic correlation study for the Adriatic Sea



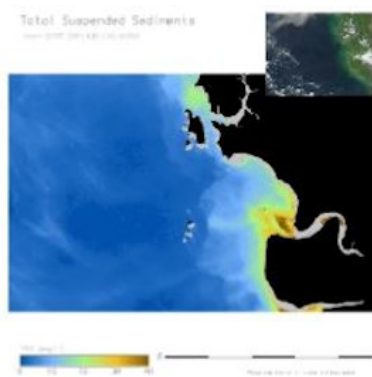
Tidal level and currents



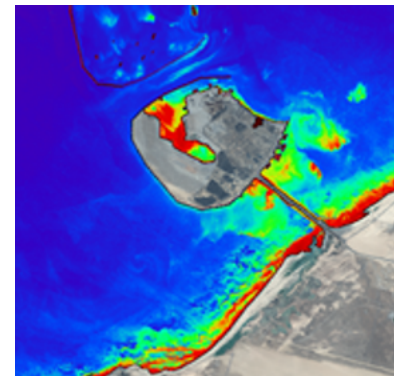
GIO water and wetlands



Satellite based oceanography



Water quality monitoring



EO data services for management of coastal zone



Warning of ice melts



Offshore winds and resources



How satellite Earth Observation can help with monitoring for the Water Framework Directive

Atmosphere & Climate



Successful Integration of EO-Based Observations and
Machine Learning in Spring Peak Flow Forecasting



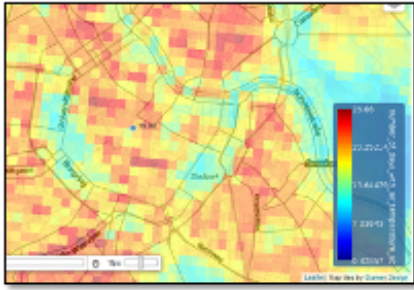
System for monitoring law enforcement of informal mining.



Harvester Season

MUNI | RECETOX

Global tool for effective POPs monitoring



Future climate projection of heat indices for Austrian major cities



Seasonal and decadal climate predictions for German state capitals



Sub-seasonal and seasonal forecasts for winter maintenance activities in cities

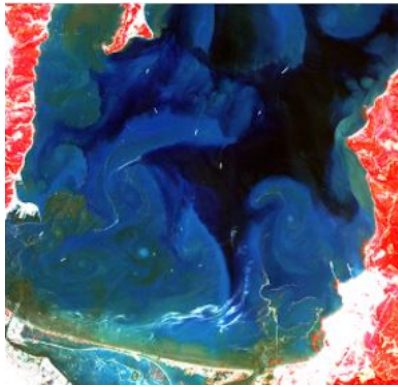
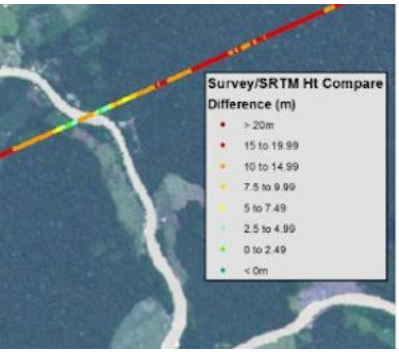
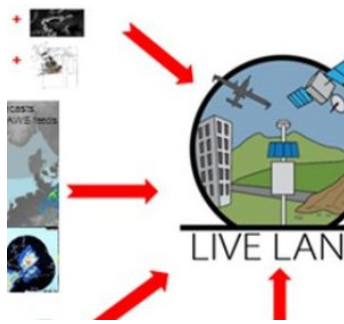
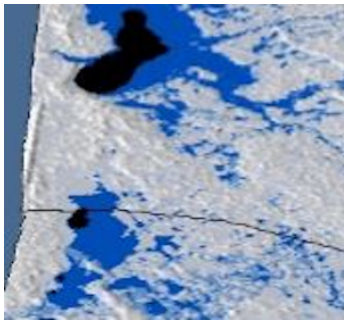


CRITERION Service



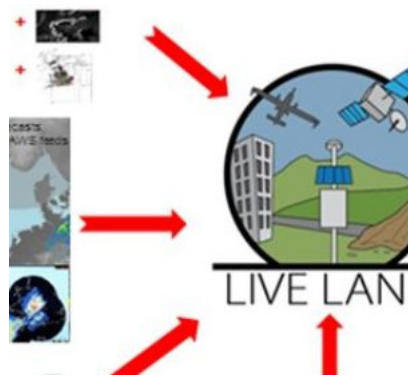
Sub-seasonal to seasonal predictions for tyre companies

Disasters & Geohazards

 Monitoring flood waters	 Mapping damage from earthquakes	 Using mobile crowdsourcing for flood warnings	 Seismic planr
 Seismic planning and flood assessment in Peru	 CGI-Live land	 Assessing natural hazards and climate change risks	 A live map of
A complete meteo-hydrological chain to support early warning systems from weather scenarios to flooded areas: the Apollo medicane use case	 Integration of EO and model data for the monitoring of volcanic plumes critical to aviation: the Mt Etna case of 12 March 2021		



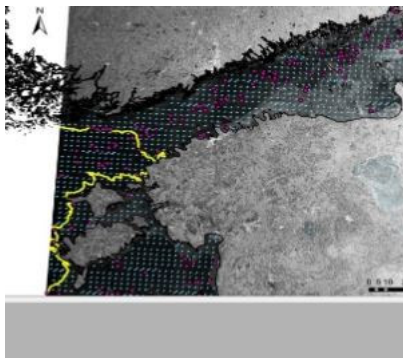
Ship location



CGI-Live land



CGI: E-surge



Satellite based vessels detection



EYWA- Early Warning System for Mosquito Borne Diseases