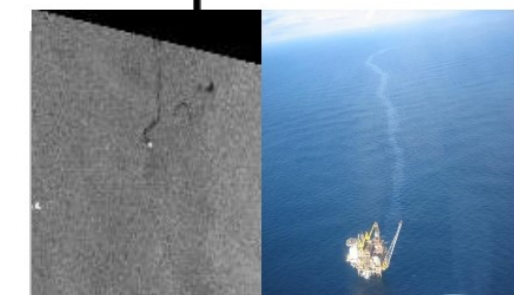
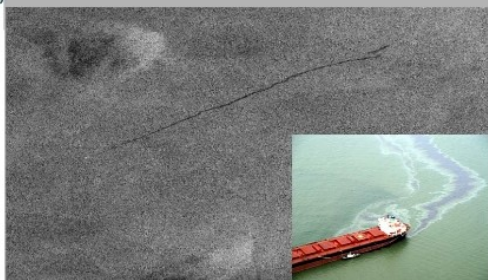


Satellite based detection of oil spills

Earth Observation Support to Environmental Monitoring



Fig



Fig

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Users: Pollution control authorities, Offshore oil & gas industry

Need: Near real-time (<1 hour) detection and early warning of illegal oil spills at sea.

Challenge: Fast and regular access to satellite and supporting data.

Initiative: Analyse satellite images to detect illegal oil spills at sea. KSAT involved from R&D into full operations for more than 15 years. Service reliability accepted by users. National, ESA and EU support to develop operational service. Daily coverage of territorial waters. Additional data used to identify polluting source.

Results: Service fully operational in Europe nationally and under the EMSA responsibility. Global use being established, based on European experiences.

Service provider: Kongsberg Satellite Services (KSAT), Norway (www.ksat.no)