

# LAND MONITORING: CleanLandNet

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# The Explorers and Their Challenge



1. EXPLORE THE UNIVERSE

2. IMPROVE LIFE ON EARTH



...WHILE SERVING

PEACEFUL PURPOSES





APPLICATIONS

# Observing the Earth

## Copernicus: an operational Earth observation programme for global monitoring for environment and security.

Responding to Europe's need for geo-spatial information services, it provides autonomous and independent access to information for policy-makers, particularly for environment and security issues.



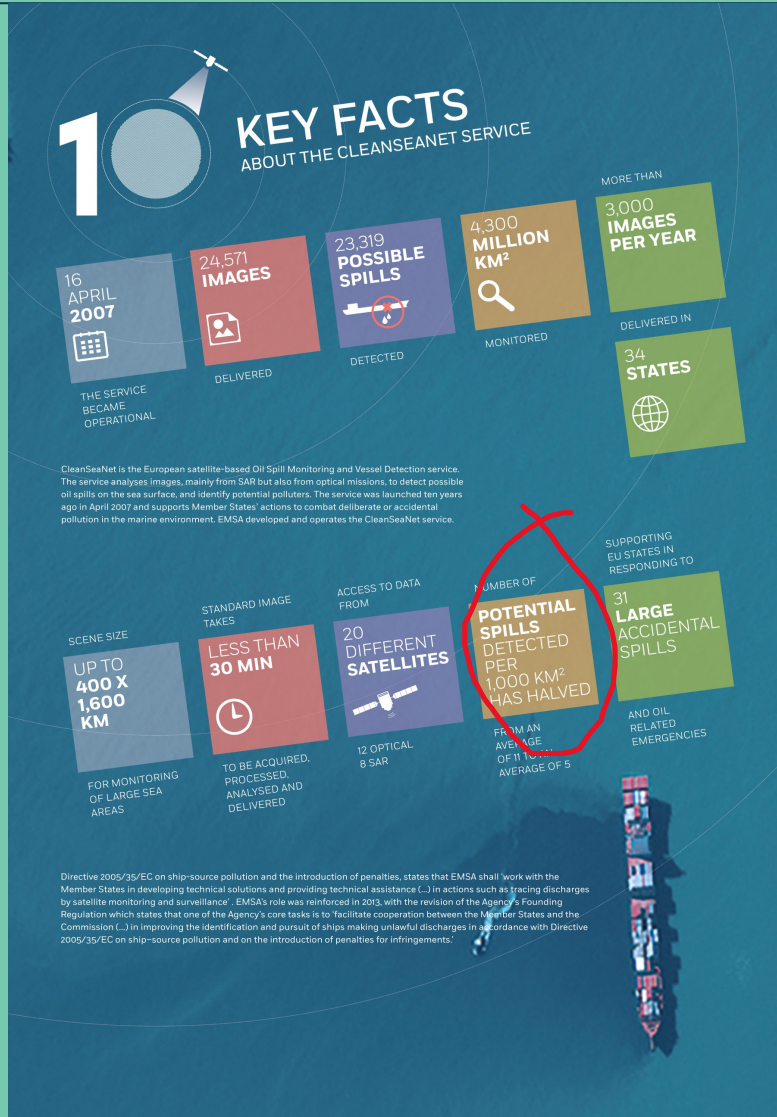


# Problem: illegal solid waste dumping



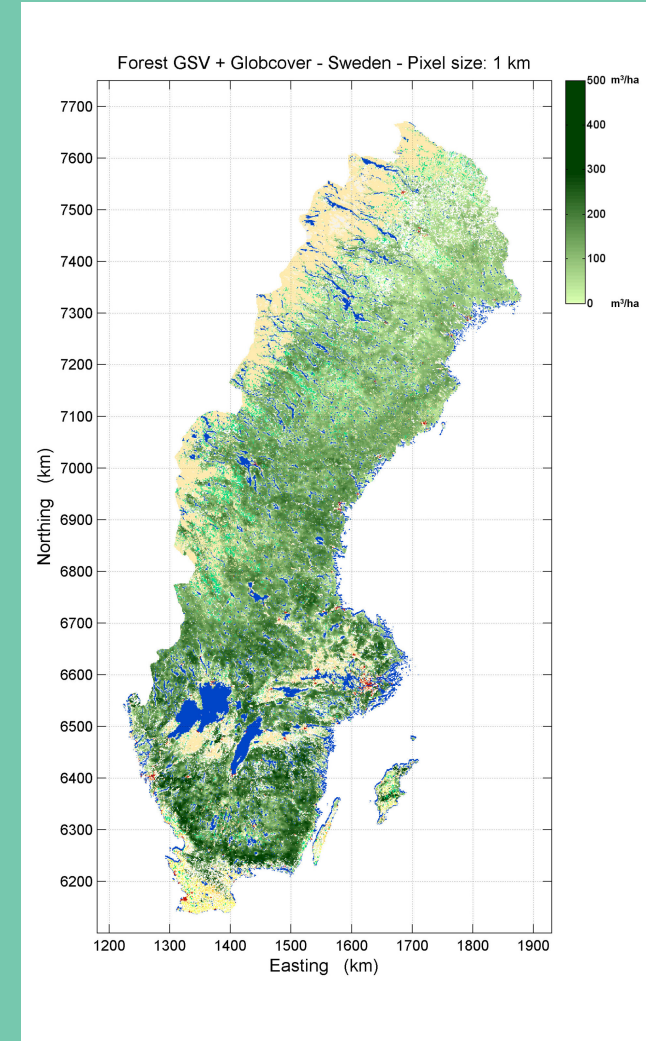


# CleanSeaNet: illegal marine oil spill monitoring



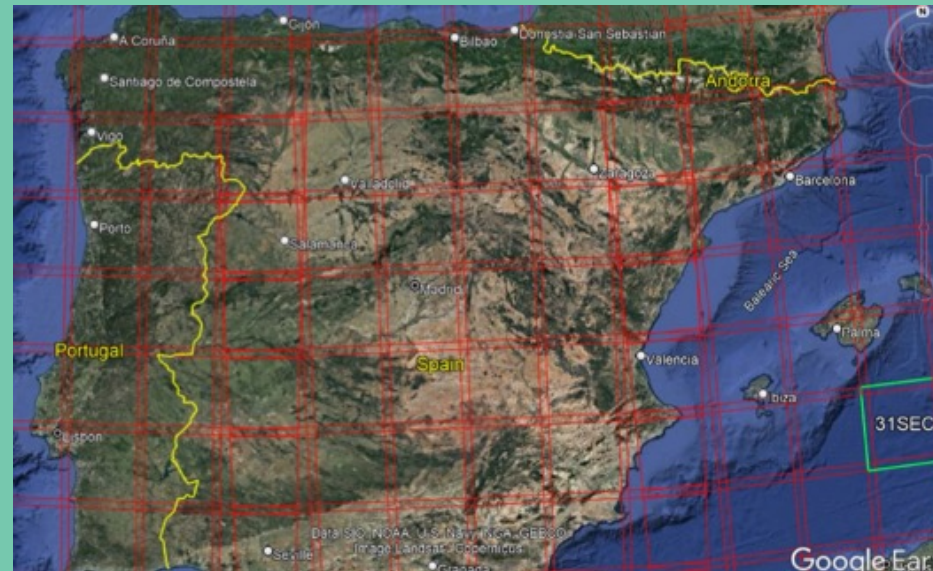
- Before monitoring: 10%
  - Active evasion
- After monitoring and notifications: 0.5 %
  - Evasion ended

Source: EARSC study: Study Report: Case of Forest Management in Sweden, 2016



# CleanLandNet: a European land waste monitoring service

- Level 1: Illegal landfill mapping across Europe
  - Transparency and end of impunity
- Level 2: Mapping of 5-6m2 sites





Produced by

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**ESA's Strategy**  
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