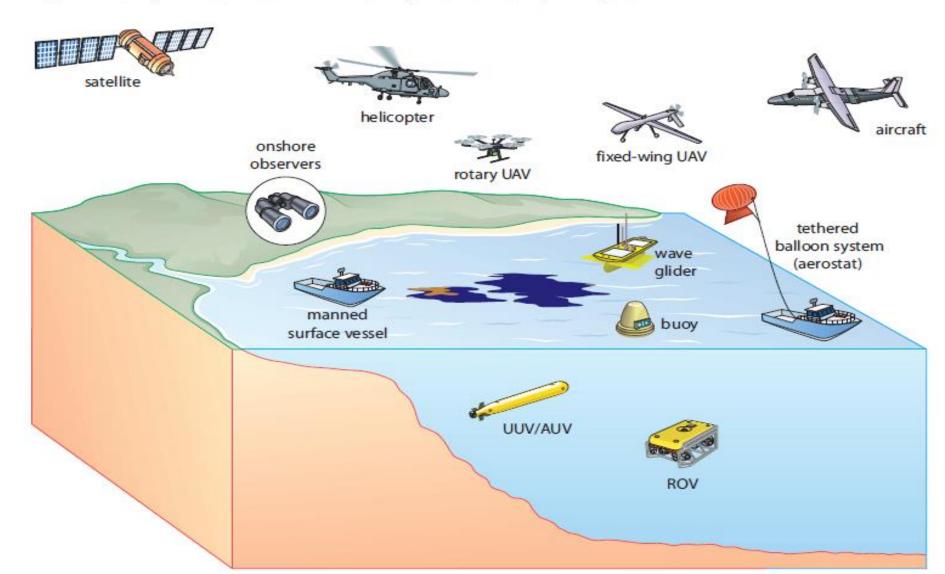




to oil spills

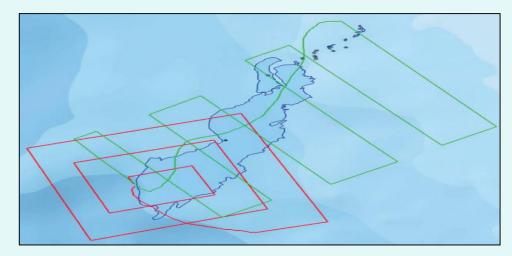
## Surveillance Tools

Figure 1 Examples of surveillance tools that may be used in a response operation

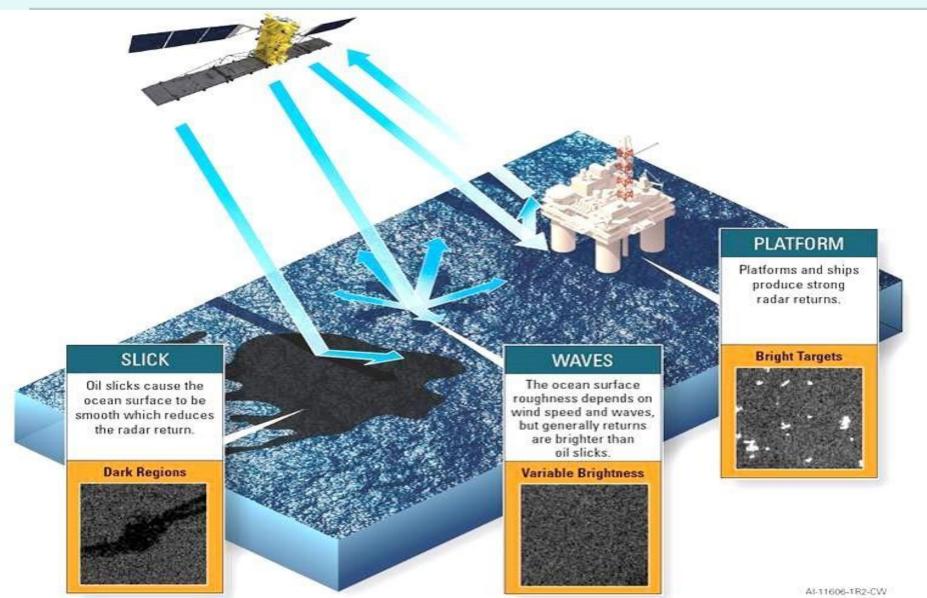


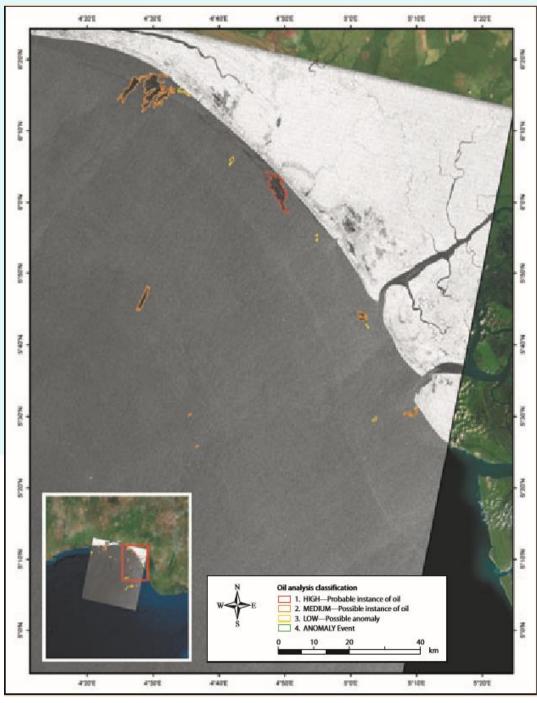
# Why use satellite imagery in a response?

- Accepted and integral component of effective oil spill response (JIP)
- Provides strategic information
- 'Another tool in the tool box'
  - Different scales
  - Complementary role
- Wide Coverage
- Guides aerial surveillance
- Validates trajectory oil spill modelling
- Keeps field team out of harm
- ➤ Capabilities developed significantly = technology now meeting industry needs i.e. timely response
- Weather Independent



# How radar satellite imagery detects oil on the sea surface

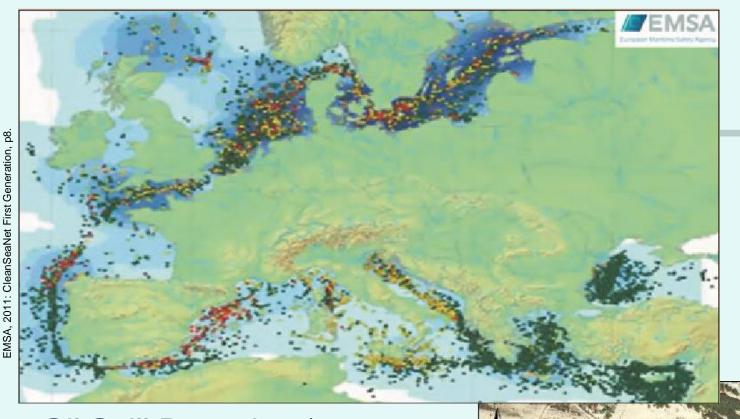




### **▶** Key features:

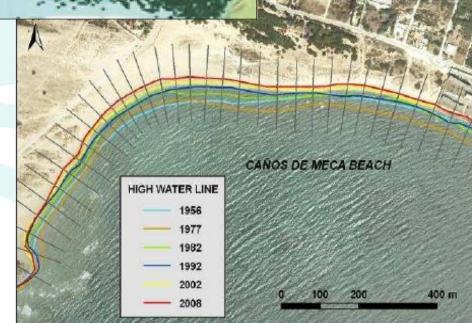
- Outlined/digitized oil slick features
- Estimations of oil slick areas
- Identification of assets and/or response operations
- Identification of false alarms.

mited.



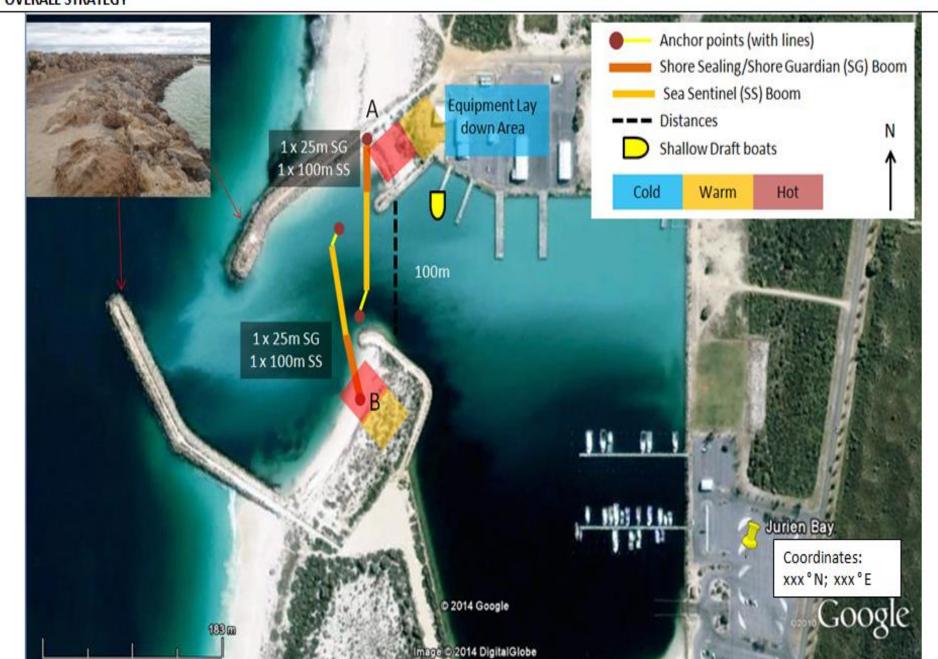
Oil Spill Detection / Monitoring Programme

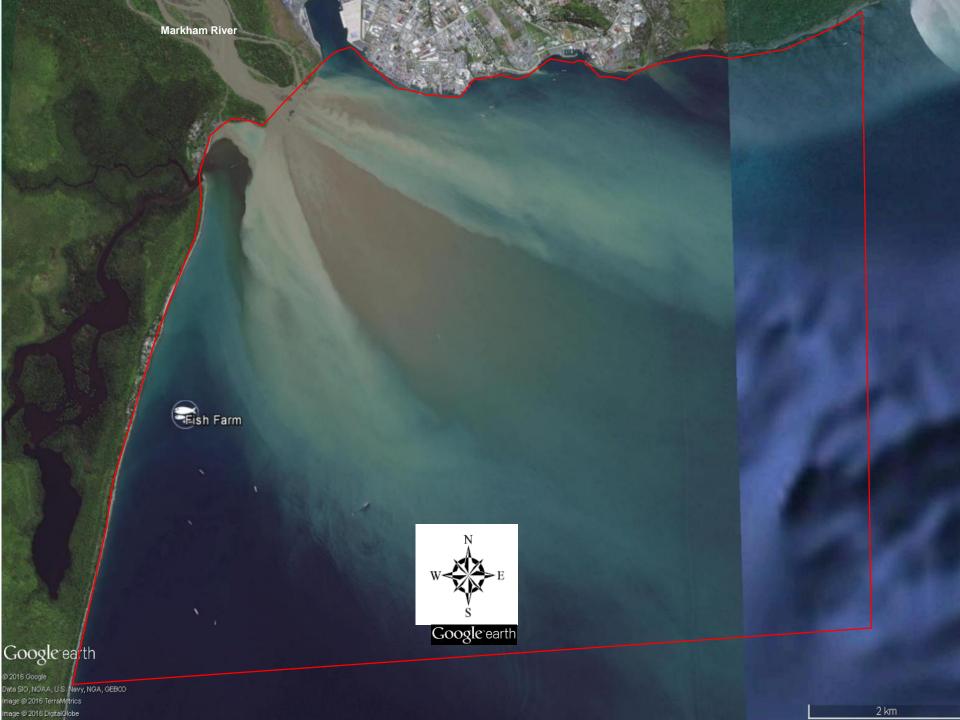
- Monitor area at risk
- Monitor during specific time periods
- Provide initial alert of possible oil spill



#### **STRATEGIES & TACTICS**

#### **OVERALL STRATEGY**

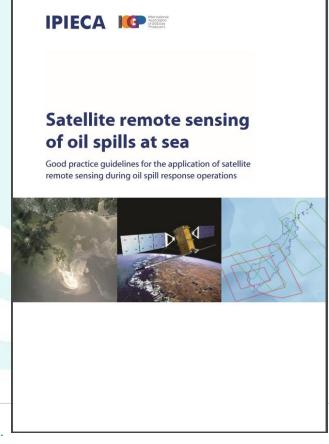




### Find out more

▶ IPIECA-IOGP Good Practice Guides (oilspillresponseproject.org and on the IPIECA website)

http://www.oilspillresponseproject.org/wpcontent/uploads/2017/01/Satellite\_remote\_sensing\_ 2016.pdf







## **THANK YOU**