



Possible oil spill detections Feedback

Earth Observation Services

Lisbon / October 2020



Possible oil spill detections feedback

- **2019 Service Results in the context of European Neighbourhood Policy (ENP)**
 - Image delivery
 - Quasi Real Time (QRT) performance
 - Detection Trends
 - Verification Results

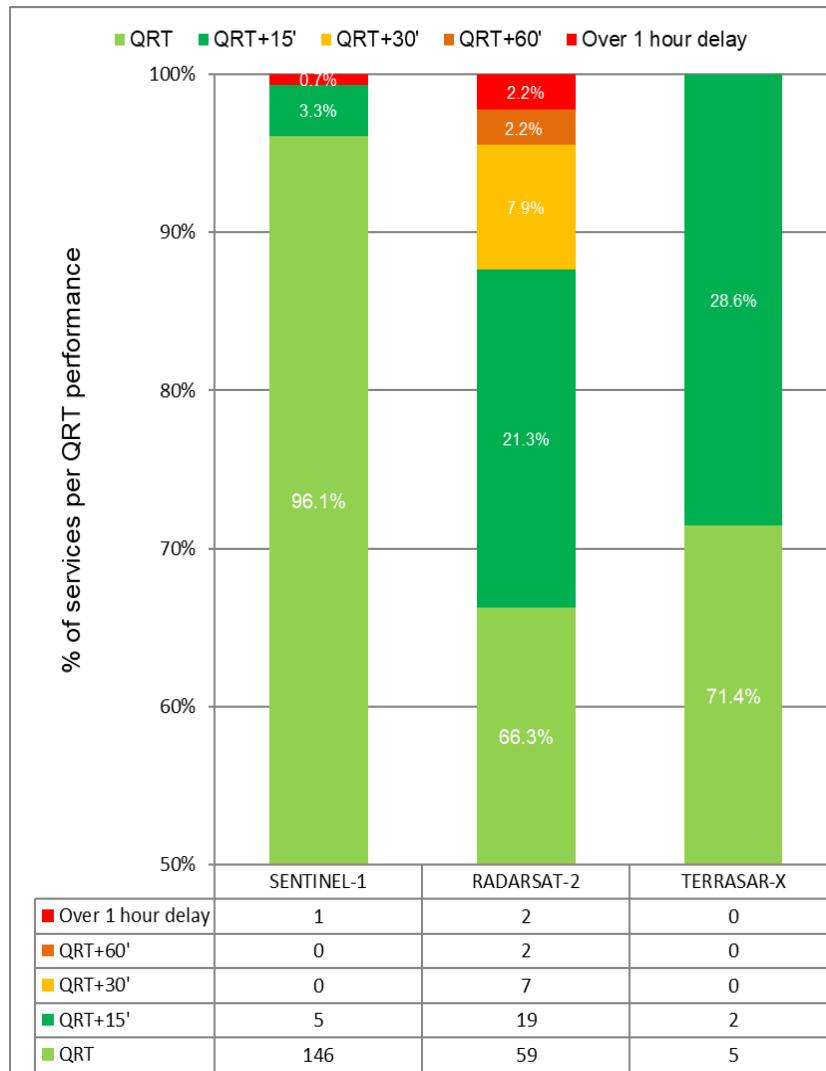
Service Results - Image delivery



Project	Satellite	Number of Ordered images	Number of Delivered images	Delivery Ratio
SAFEMED IV	SENTINEL-1A/B	156	152	97%
BCSEA	RADARSAT-2	96	89	93%
	TERRASAR-X	7	7	100%

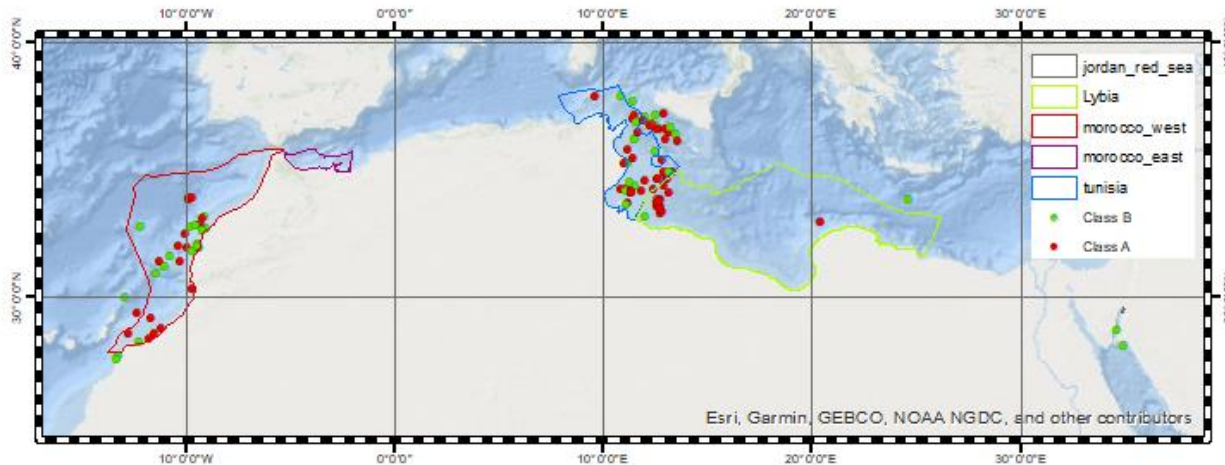
- For **SAFEMED IV** project there was an improvement in the delivered ratio, from 92% in 2018 to 97% in 2019
- For **BCSEA** (94% in 2018) remaining stable the same ratio .

Service Results – NRT Performance



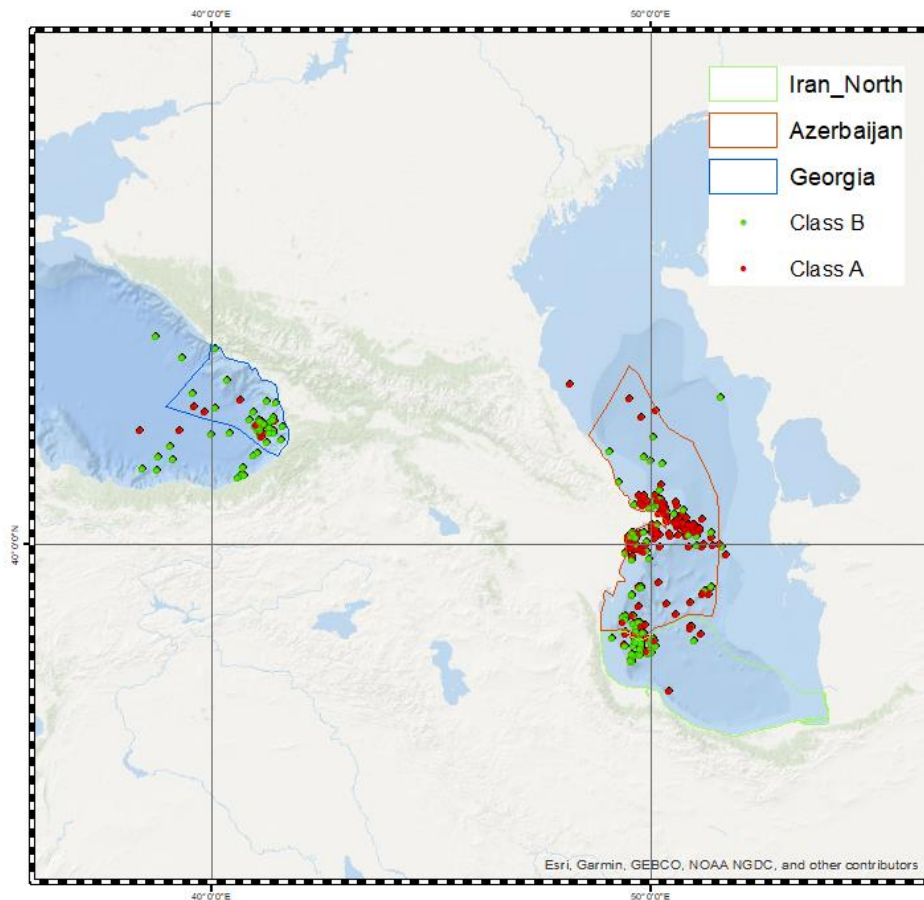
- For RADARSAT-2 the QRT performance was low with 66.3% delivery ratio;
- Considering the QRT plus 15 minutes there is an increase up to 87.6%

SAFEMED Project



- **Class A** – (2019 results: 43) the detected spill has a higher detection confidence level.
- **Class B** – (2019 results: 74) the detected spill has a lower detection confidence level.

BCSEA Project



- **Class A** – (2019 results: 184) the detected spill has a higher detection confidence level.
- **Class B** – (2019 results: 189) the detected spill has a lower detection confidence level.

Service Results - Verification Results



Verification Results	SAFEMED	BCSEA
Mineral oil	1	0
Other substance	0	2
Unknown feature	0	0
Natural phenomena	0	0
Nothing observed	11	12
Total Nr of Feedbacks	12	14
Total of CSN detections	114	355

**Feedback provided manually
via word document in 2019**

Verification Results	SAFEMED	BCSEA
Mineral oil	4	0
Other substance	0	0
Unknown feature	0	0
Natural phenomena	0	0
Nothing observed	17	0
Total Nr of Feedbacks	21	0

**Feedback provided through
the SEG interface in 2019**



 twitter.com/emsa_lisbon
 facebook.com/emsa.lisbon

 **EMSA**
European Maritime Safety Agency