

CleanSeaNet

Support to Operations, Exercises and Emergencies

Earth Observation Services
Unit Surveillance

Lisbon / April 2021



- CSN provides **regular monitoring** over the Member States sea areas according to the Coverage Requirements
- MS can request top up of the service in case of:
 - **Emergency** situations
 - Specific **operational scenarios** demanding surveillance (e.g. refuelling operations)
 - **Exercises** - EMSA provides satellite feasibilities planning and may provide optical or SAR acquisitions in case of deployment of assets and simulation of oil spills
- Services are provided using mainly **SAR imagery** from SENTINEL-1 RADARSAT-2 and TERRASAR-X missions
- In **case of emergencies, optical images** can be provided as well depending on the needs and conditions linked with the emergency support required

Support to Exercises

- In 2020 a total of **4 pollution response exercises** were supported with provision of feasibilities.

Date	Requesting country	Exercise Name	EO products
July	Bulgaria	BREEZE	-
August	Estonia	BALEX BRAVO	2 SAR previously planned under the CSN routine planning. No additional EO products were tasked.
October	Cyprus	NEMESIS	1 optical
October	France	CHARENTE	-

Support to Emergencies

- During 2020, CleanSeaNet provided support to coastal States in 12 distinct pollution related emergencies.
- These events involved the activation of the EMSA contingency plan, triggering emergency tasking of satellite images
- Both radar and optical used to better monitor the accident area.
 - **Optical used in areas near the coastline coast and for beach monitoring**
- Significant **increase** when comparing with **2019** (7 emergencies supported)

Conclusion

- EMSA replied to all ad-hoc requests issued and participated in the scheduled exercises
- Number of emergencies increased significantly, with regards to 2019
- Optical data used for assessing spills near the coastline or beach

EMSA wants to highlight the importance of providing feedback to enable continuous service improvement



Questions?

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