



EUCISE 2020



# Italian National Node: data based on Satellite Services

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8 JUN. - 2007  
**COSMO-1**



9 DEC. - 2007  
**COSMO-2**



25 OCT. - 2008  
**COSMO-3**



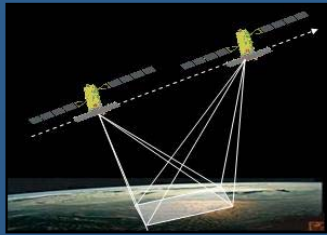
5 NOV. - 2010  
**COSMO-4**

2011-Jun-09 15:01:00 UTC  
Lat :  
Lon :  
MLST :  
SZA :  
Range : 13398.9 km  
Altitude : 13395.7 km

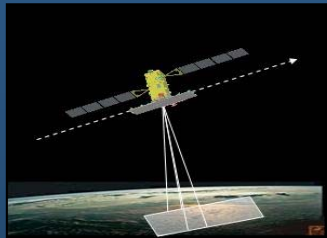


- 4 SAR SATELLITES CONSTELLATION
- SENSOR X-BAND SAR (9.6 GHz)
- BANDWIDTH 400 MHz
- HEIGHT 619.6 Km
- ORBIT SSO
- INCLINATION 97.8°
- ORBITAL PERIOD ~ 97 m

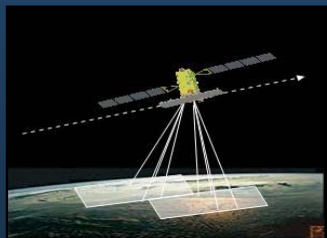
# MULTI-MODE ACQUISITION CAPABILITY



**SPOTLIGHT**  
10 Km X 10 Km  
1 m Resol.



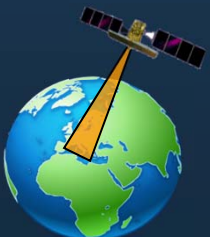
**STRIPMAP - HIMAGE**  
40 Km X 40 Km  
3 m Resol.



**STRIPMAP - PING PONG**  
30 Km X 30 Km  
15 m Resol.

**SCANSAR WIDE**  
100 Km X 100 Km  
30 m Resol.

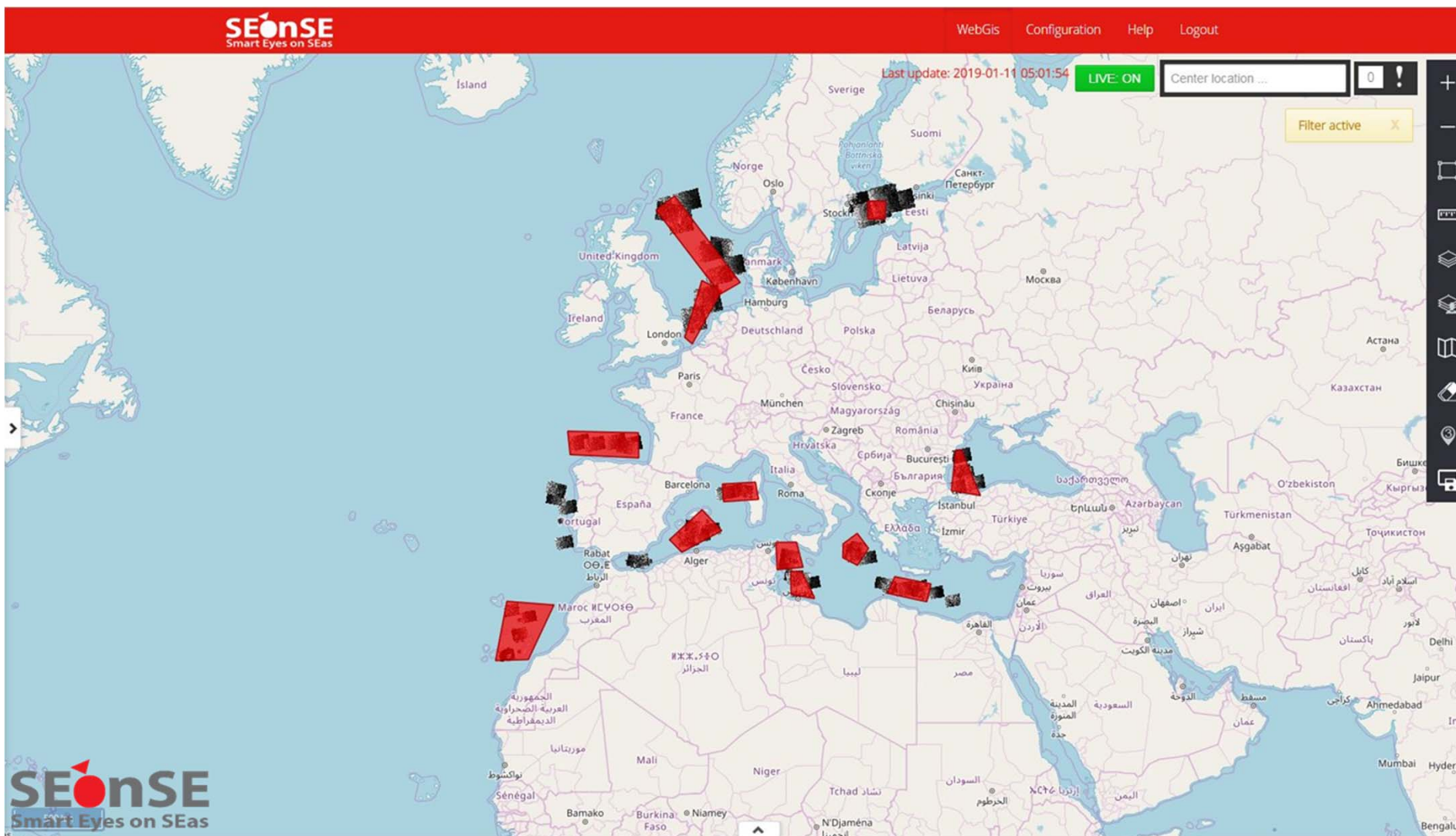
**SCANSAR HUGE**  
200 Km X 200 Km  
100 m Resol.



**WIDE FIELD**

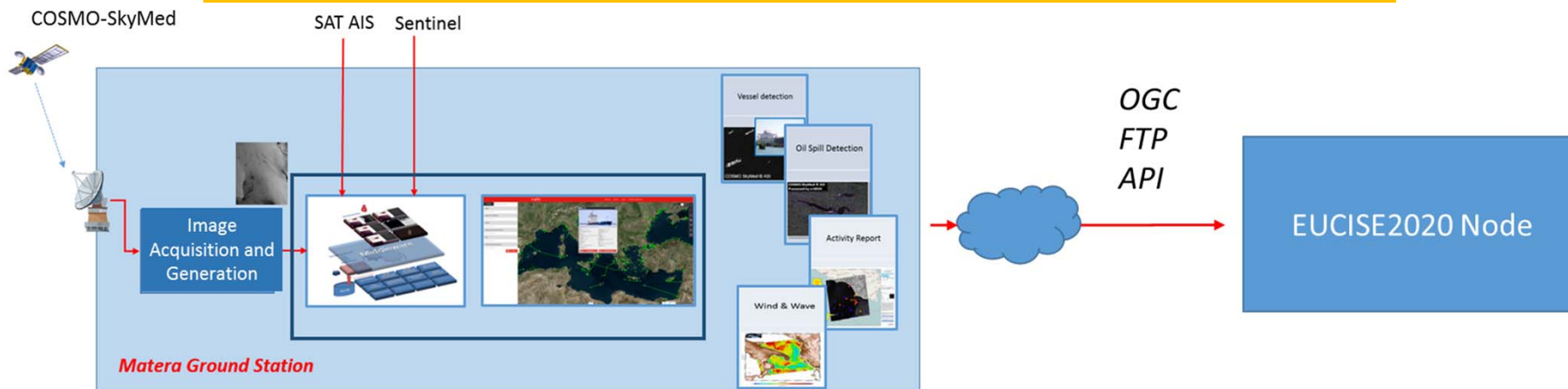
**NARROW FIELD**





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Vessel detection	Activity Report	Oil Spill Detection	Wind & Wave	Geospatial Analysis and Alert Notifications

**POINTS OF STRENGTH OF THE SERVICE**

Ground Receiving Terminal Network

Wide and Global coverage

Multisensor solution

Validated by Institutional User

Secure data access

Experienced Operators on maritime surveillance Satellite image analysis

Operational h24/7

Fully Automatic and/or supervised processing



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