



## R&D for enhanced EU Maritime Border Security

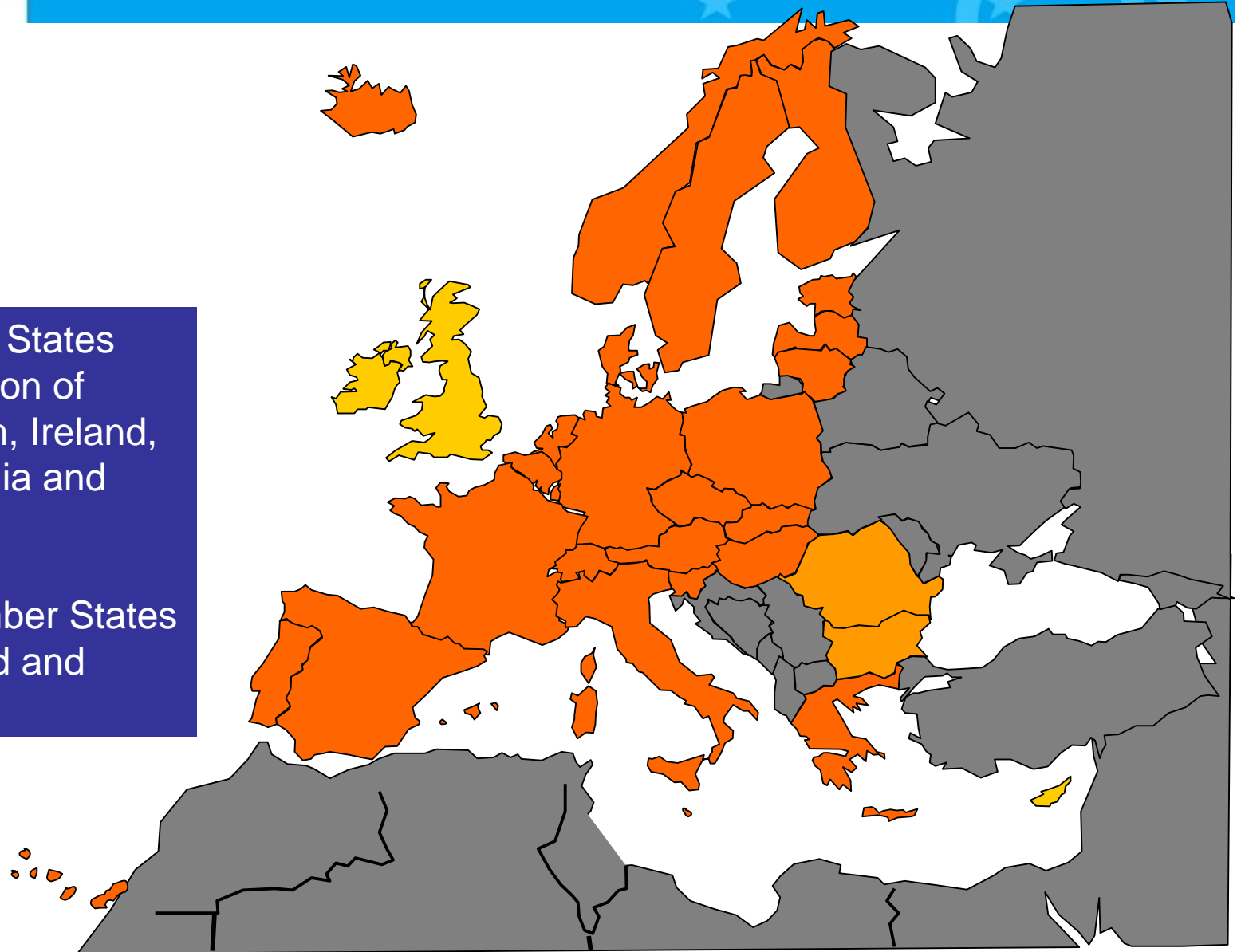
Gijon, 21May10

# Schengen Area



All EU-Member States  
with the exception of  
United Kingdom, Ireland,  
Cyprus, Romania and  
Bulgaria.

+ Non-EU-Member States  
Norway, Iceland and  
Switzerland.



# Frontex



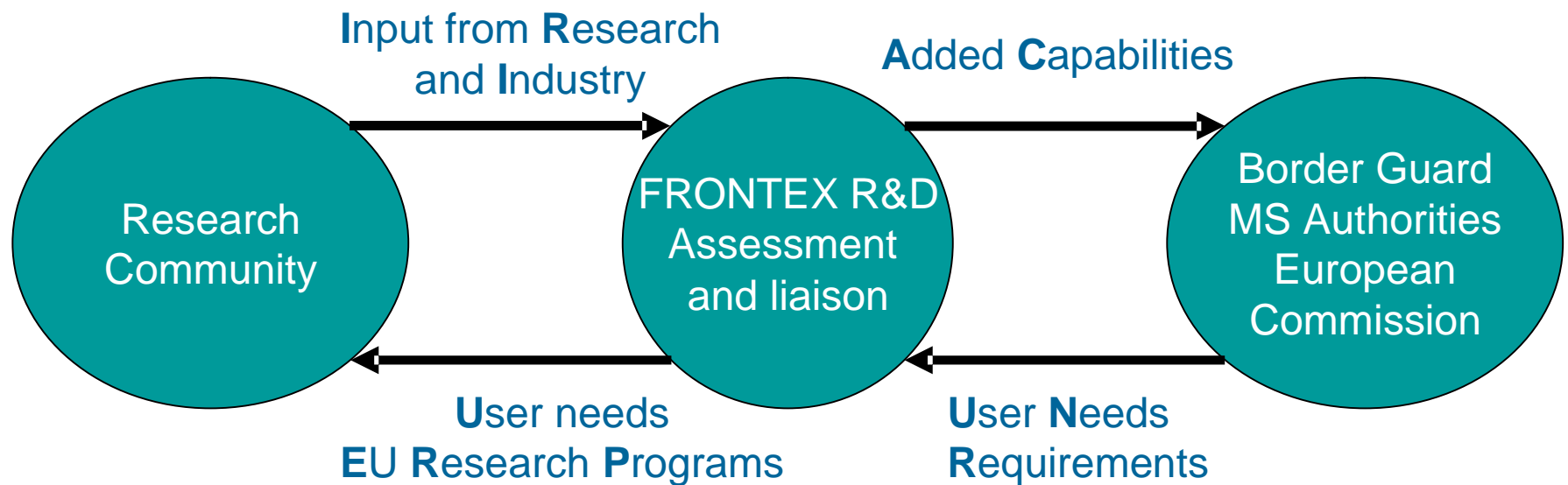
- EU agency
- Independent legal body with management board of MS 'border chiefs'
- 250 staff and growing
- Operational in Warsaw since Oct. 05

“...contributing to an efficient, high and uniform level of control on persons and surveillance of the EU external borders...”

# Frontex Research & Development Unit



Integration of end-users and providers



# Research and Development Unit Activities



## Surveillance

- European Border Surveillance Systems
- Communications & Information management
- Remote Sensing and Detection

## Checks

- Implementation of VIS
- Use of e-passports
- Entry/Exit system based on biometrics

# Surveillance User's Needs



- Platforms and sensors for the collection of data and information
- 24/7 all weather surveillance border and pre-frontier
- Platforms and sensors to facilitate interception
- Systems to exchange information
- Systems to exploit the information and react quickly to evolving threats
- All the above: Affordable and Integrable

# EUROSUR objectives



**Support MS authorities in improving situational awareness and increasing reaction capabilities with the aim to:**

- reduce the number of illegal migrants entering EU undetected;
- reduce the death toll of migrants at sea;
- increase internal security by preventing cross-border crime.

**3 Phases:** national, common tools, joint surveillance

# EUROSUR Challenges



## Challenges at Local/Regional/National Level

- Sharing Information within MS
- Improving Detection Capabilities (small craft)
- Merging sensor data and intelligence information

## Challenges at Multinational/ EU Level

- Merging pre-border intelligence information
- Sharing 'common interest' information



# EUROSUR First Steps: Pilot Project



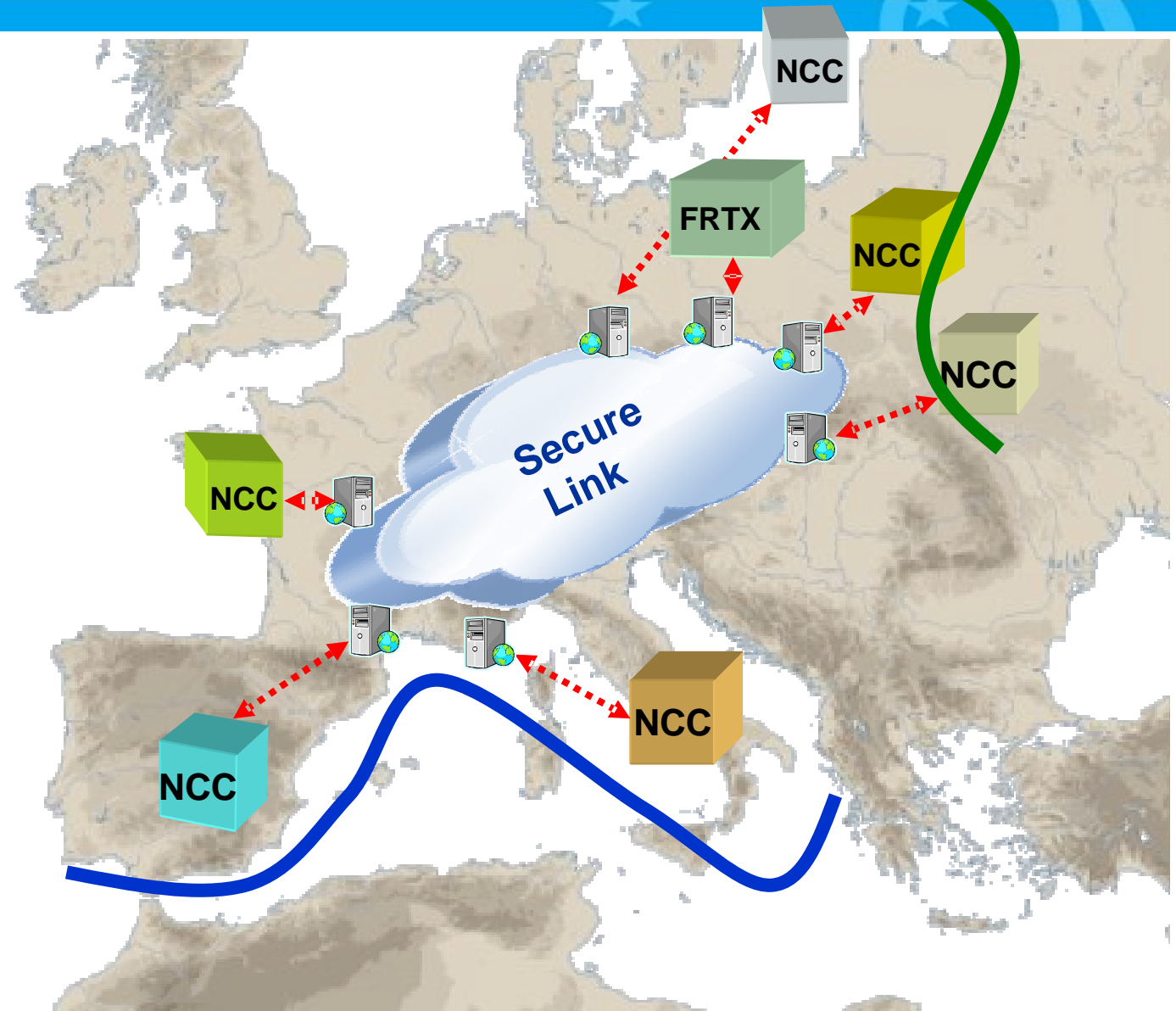
- No central node in the network
- Only ‘common interest’ information exchanged
- Frontex may see only part of the info shared.
- All NCCs will be connected in 3 overlapping projects
- ‘Solidarity’ & ‘Sprit de Corps’
- Flexible extensible solution helping to develop processes and behaviors

# EUROSUR Pilot Participants



Connection of  
6 NCCs &  
FRONTEX in  
a secure  
network.

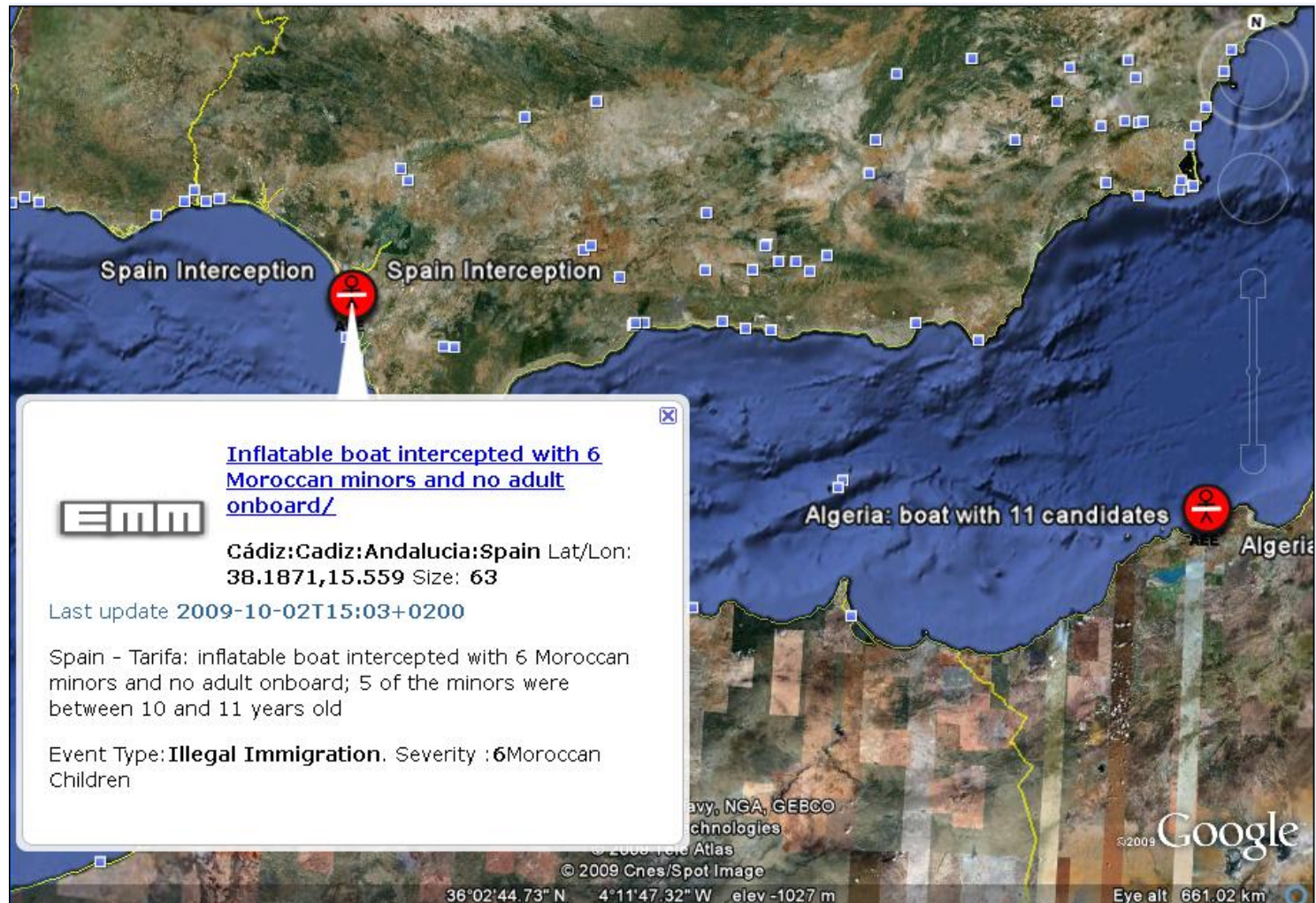
(extensible)



# EUROSUR Pilot Interfaces



With tools to support the sharing of agreed information (initially: alerts and incidents)



# Conclusions on Frontex R&D



- Frontex R&D bridges users and providers of technologies for Surveillance (and Checks)
- Frontex works closely with the Commission and MSs in the development of EUROSUR
- Frontex is ready to test new technologies in operational scenarios within Joint Operations