Upgrade R/V Europe

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R/V l’Europe

✓ A coastal twin-hull built in 1993
  ✓ Length: 29.60 m
  ✓ Width: 10.60 m
  ✓ Crew: 8 people
  ✓ Scientists: 8 people

✓ Need a major modernization in 2014
Refit of R/V l’Europe

- Equipment upgrade
  - Fishery MBES ME 70
  - Fishery SBES
  - USBL positioning system
  - Mobile equipment: ADCP, EM2040
  - New MRU
  - Scientific instruments

- Complete refit of IT network infrastructure

- New Telecommunication capabilities
Telepresence

- Supervision of systems
- Telemaintenance from land

Antenna Sailor-900
Ø 1.13m, H 1.21m
Works

- Refit of Wet lab
- Adaptation for thermostalinometer
- Remove of cold room
- Refit of sounders room
- Celerimeter + SBE38
Works

Refit of scientific room

Integration of VSAT

Modification of equipment for calibrating the ME70
Scientific space

- Vessel servers
- Screens wall
- Storage rack
Transducers works

Remove of sonar SR240

ME70

Power supplies of ME70

Rack of ME70

Sounders room
Mobile equipment

<table>
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<tr>
<th>Missions</th>
<th>Mobile Equipment</th>
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<tbody>
<tr>
<td>AUV et HROV</td>
<td>GAPS, MATS, hydrophone</td>
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<tr>
<td>Fisheries</td>
<td>ADCP</td>
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<td>Geosciences</td>
<td>EM2040</td>
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<tr>
<td>Physics</td>
<td>ADCP + pinger 12kHz.</td>
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EM2040

GAPS, MATS
Wet lab

Remove of cold room (-80 °C)
Planning

2013

May
Choice of sensors

June to September
Specification writing

Feb - April
Works in dry docks + quay (2 months)

2014

May
Sea trials

June
1st cruise

OFEG-TECH 2013