

# National Marine Facilities – Sea Systems

RVOC Meeting

Norfolk, USA

22nd – 24th April 2008



**National Oceanography  
Centre, Southampton**

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SEA SYSTEMS**

# Past Year Highlights

- Formation of Sea Systems, incorporating:
  - Research Ship Unit
  - UK Ocean Research Services
- Isis ROV cruise to Antarctica
- RRS James Cook – first science cruises
- RRS Discovery – Power Management System breakdown



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# NERC Programme 2008

- *RRS Discovery*
  - North Atlantic
- *RRS James Cook*
  - East Pacific, North Atlantic, Southern Ocean
- *RRS James Clark Ross*
  - Antarctic, mid-Atlantic moorings, Porcupine Abyssal Plain, Svalbard, Atlantic Meridonal Transect, Antarctic
- **Barter's**
  - RV Sonne – Sumatra
  - Seward Johnson - RAPID



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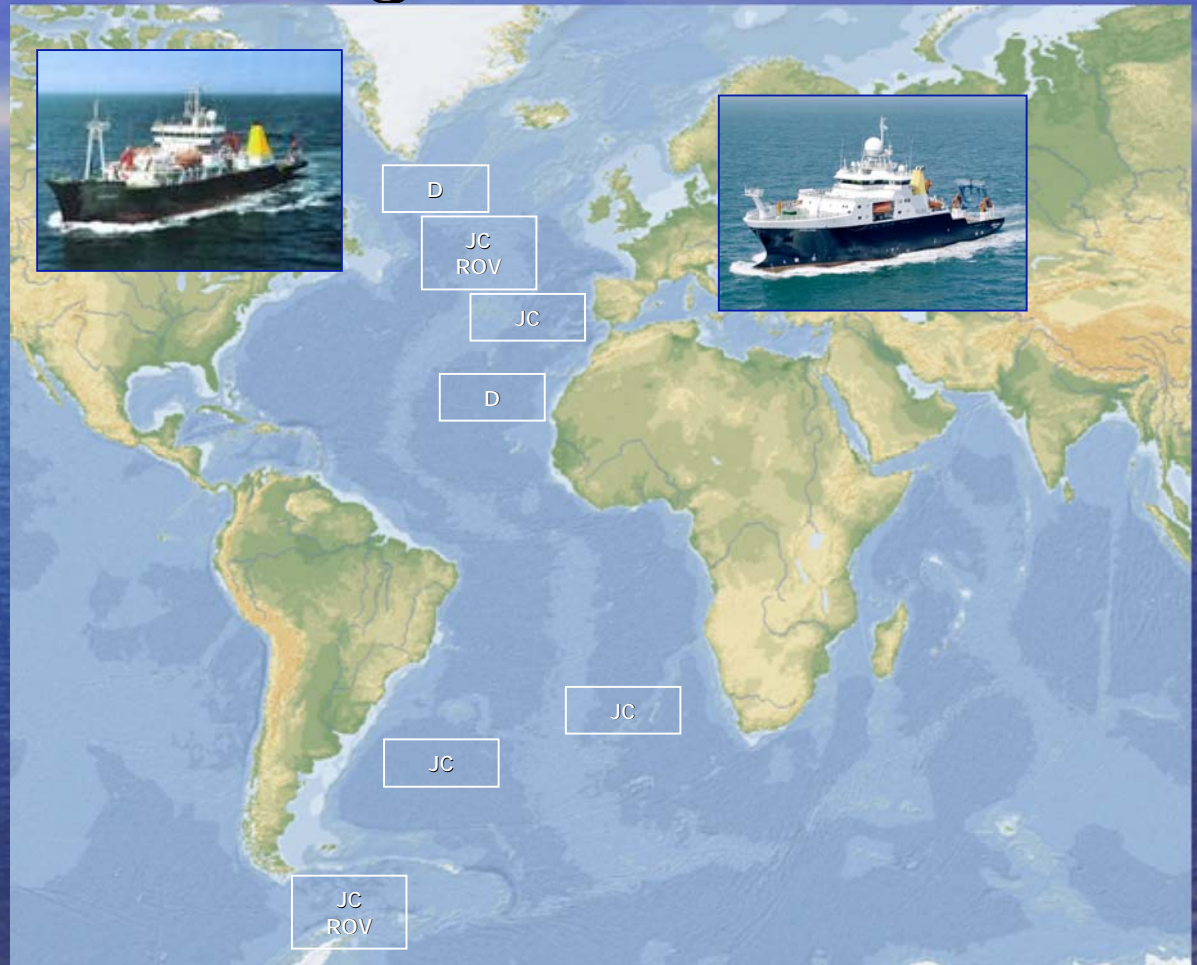
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# Forward look: Proposed NERC Programme 2009

- *RRS Discovery*
  - North Atlantic
- *RRS James Cook*
  - Atlantic, Southern Ocean



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# RRS James Cook Naming 6 February 2007



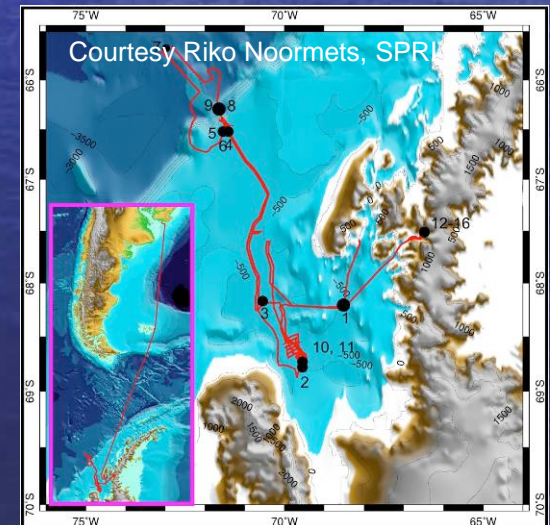
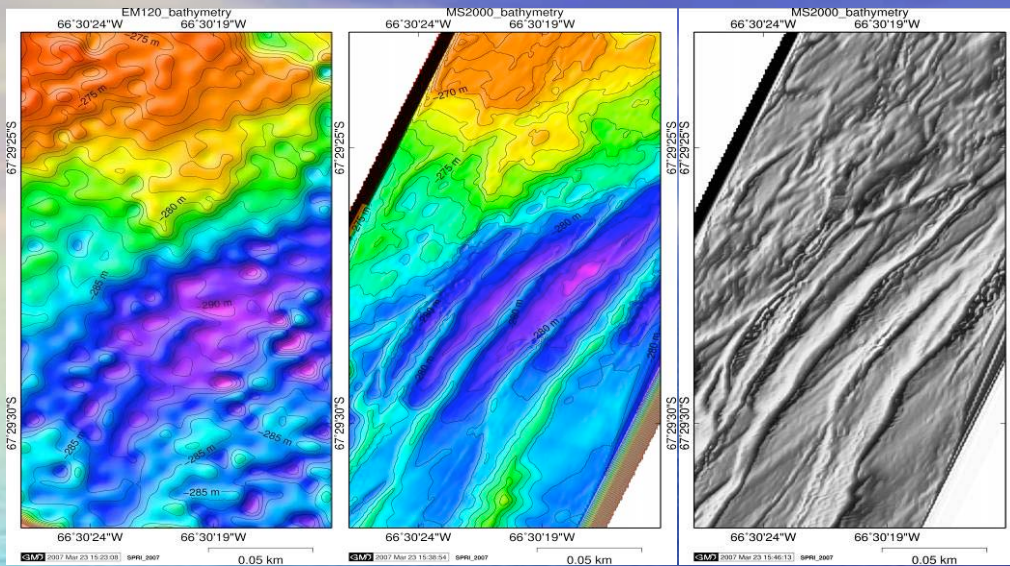
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# JR157 – Isis in Antarctica



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# James Cook ROV Operations



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# Discovery – Future Management

- Replacement project underway
  - in service 2011/12
- By then Discovery 47 yrs old
- Reduce days at sea
- Barter
- Charter



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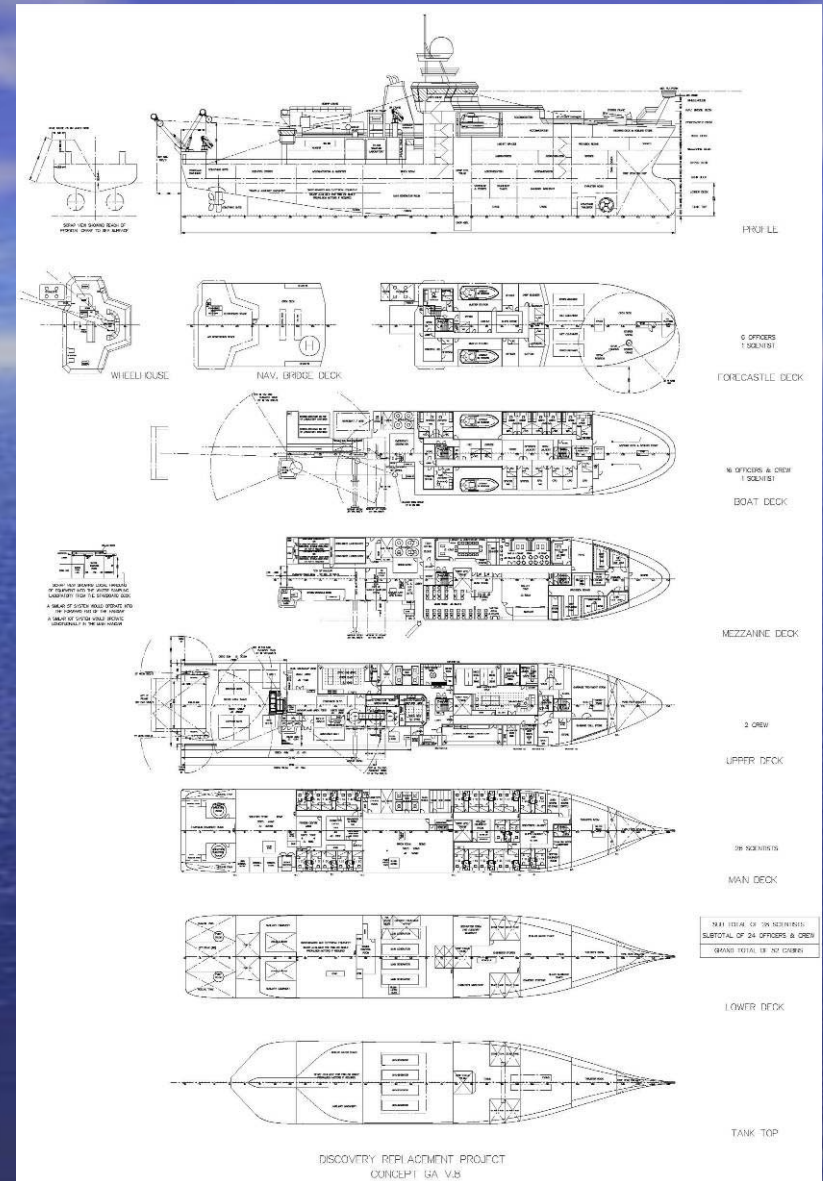


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# Disco Replacement

- £65M (US\$130M)
- 95m
- Lower spec than Cook (cost)
- Azimuth drives
- Modified URN spec (NOT 209)
- In service 2012(!)
- Currently finalising SoR
- Tenders later this year



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