# The IBCSO Data Compilation SOGIS: Data Management and Processing

## **Southern Ocean**

## **Geographic Information System**

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8/31/2007



## **Objectives**



- International collaboration
- Interoperable digital SOGIS
- Complementary data exchange
- Portraying seafloor topography
- Generating thematic maps

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### **Southern Ocean - Antarctica**

#### Sketch of Antarctica and the SO



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#### Rock surface and sea ground

Source: BEDMAP, 2000













## **GIS-Architecture**



- High end GIS
  - Full data capabilities
- GIS concept
  - Desktop GIS (me)
  - Server GIS (AWI and me)
  - Web GIS (you)
- Data storage
   Files vs. geodatabase

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### **Prospective Tasks**



- Continuous data transfer
   backbone of the SOGIS
- Evaluation of processing techniques

   data merge for optimized visualization
- Collaboration with other efforts

   AMBS, ADMAP, BEDMAP, RAMP, SOOS, ...
- IBCSO meetings/work shops

   1<sup>st</sup> Meeting: Saturday, 8:00a.m. to noon

10th ISAES at UCSB

8/31/2007



### Conclusions



- Use of digital data

   flexibility
- Implementation of SOGIS
   interoperability
- Use of digital tools
   numerical analyzes
  - IBCSO products
     database, metadata, maps
     operational network

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### Acknowledgements

- Supporting the IBCSO program
- Friends of the ess and
  - Providing knowledge and information
- Collaborating facilities
  - Providing cooperation and data

## • AWI 💮

Funding and logistics

### ISAES Office at UCSB

Thanks for your kind assistance

8/31/2007