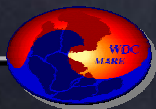


CARBOOCEAN data flow

"Integrated Project", European Commission
Contract no. 511176-2 (Jan '05 - Dec '09)

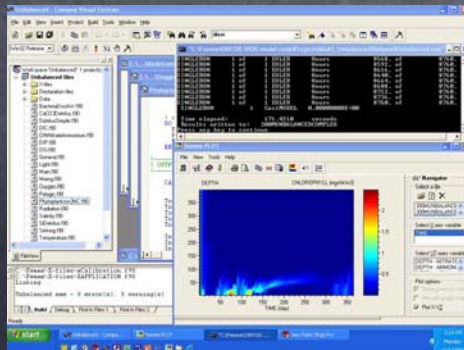
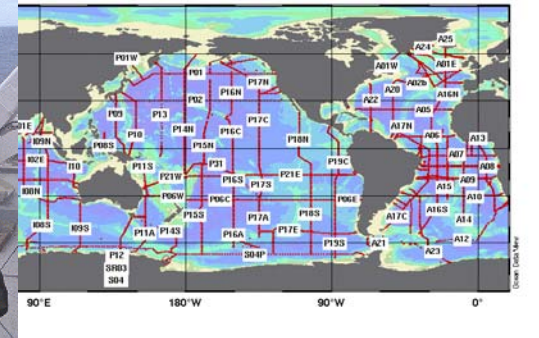


Partner #1	- Lead -	University of Bergen, Norway	(Benjamin PFEIL)
Partner #16(b)		WDC-MARE, University of Bremen, Germany	(Robert HUBER, Michael DIEPENBROEK , Nicolas DITTERT)
		PANGAEA, AWI, Germany,	(Hannes GROBE)
Partner #19		Institut Français de Recherche pour l'Exploitation de la Mer, Brest, France	(Thierry CARVAL)
SSC		Carbon Dioxide Information Analysis Center, Oak Ridge, US	(Alex KOZYR)

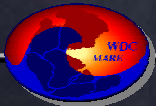
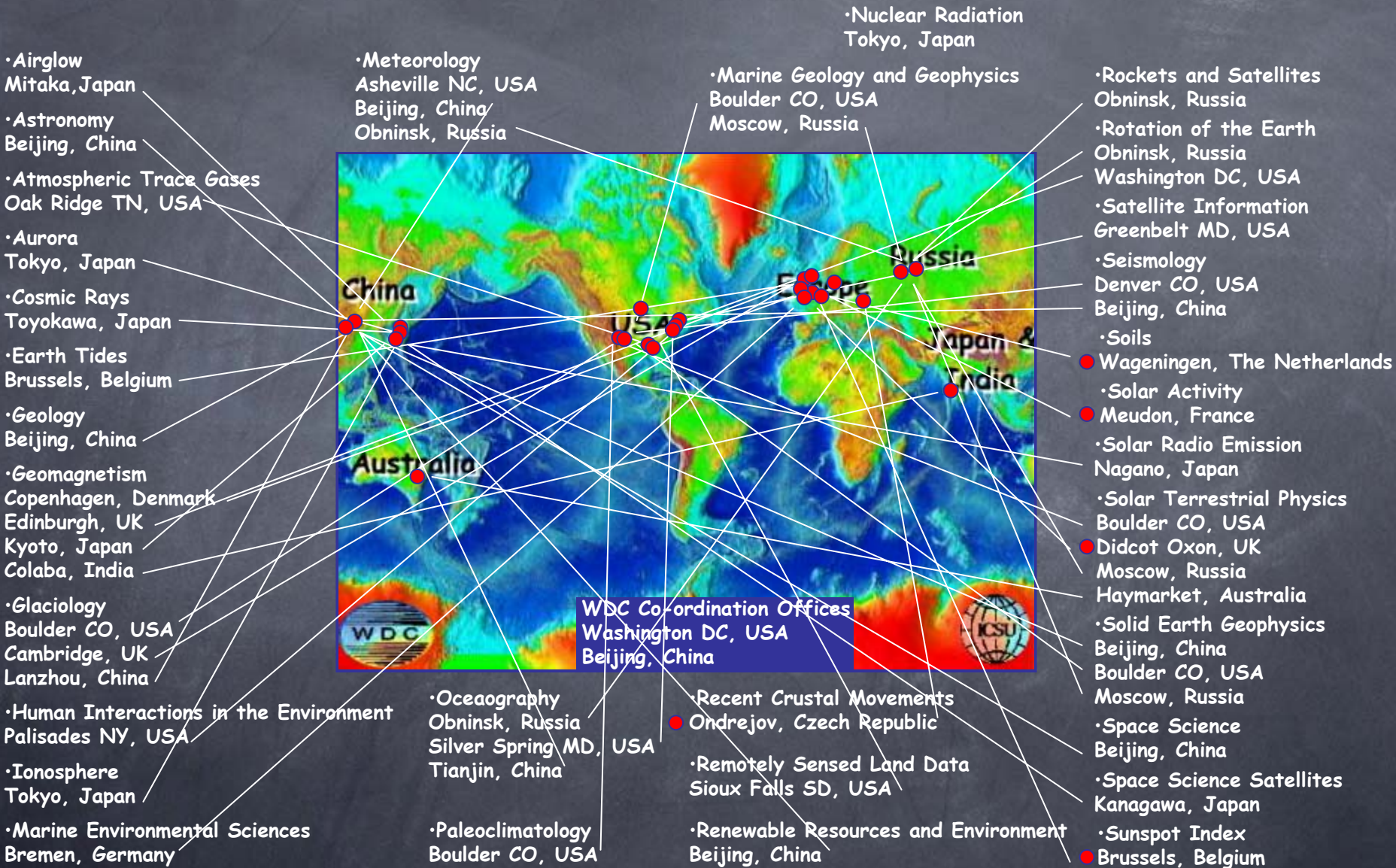


Delayed mode/real time/model data

- VOS lines (Volunteer Observation Ship)
- Buoys (e.g. CARIOCA Type)
- Profiling floats, gliders
- Deep sections
- Time Series (e.g. BATS)
- Remote sensing
- Model



Network of ICSU WDCs



Cost-benefit / sustainability

Data management costs

(estimated costs in € per data set in the geo-, biosciences)

Aquisition of new data sets	150,-
<i>(dokumentation, processing, archiving and publication)</i>	
Curational works after archiving & publication	15,-
<i>(corrections, improvements, restructuring works)</i>	
Technical infrastructure and staffs of information system	40,-
<i>(computer, storage media, networks, administration)</i>	
Development costs of the information system	20,-
<i>(incl. ongoing extensions, improvements)</i>	
Total	225,-

For comparison

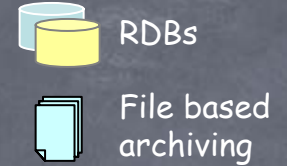
Publication	12.000,-
<i>(wo-/man power, figures, print, etc.)</i>	
Data production	120.000,-
<i>(incl. costs for expeditions & laboratories)</i>	

Conclusion

Data management per publication (comprising 10 data sets) totals 1.5 % of the publication.

Data management per publication (comprising 10 data sets) totals 1.5 ‰ of the whole data production.

Data Flow



Still to be implemented.
Already existing.

