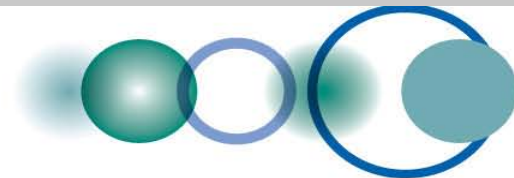


Working Group 7

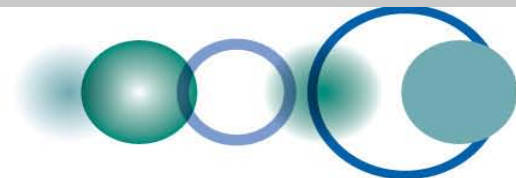
“In-situ / remote sensing integration & modelling across scales”

... but perhaps we need a new name



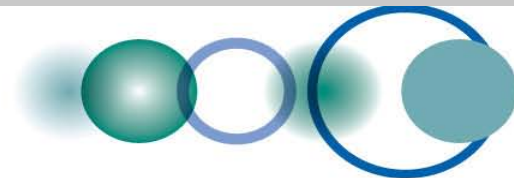
What did you do?

- Talked a lot about the purpose, role and mode of operation of this group – for example:
 - are we providing modelling support to other WGs; or pursuing our own vision for integration of multiple forms of observation through modelling?
 - where does GEO BON's role end - raw observations, integrated measures, indicators?
 - what about future scenario modelling?
 - what about crucial issues & tasks currently 'falling through the cracks' between groups?



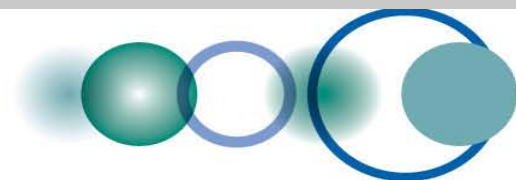
What did you do?

- Reevaluated, revised and reorganized our activities and deliverables



Activities

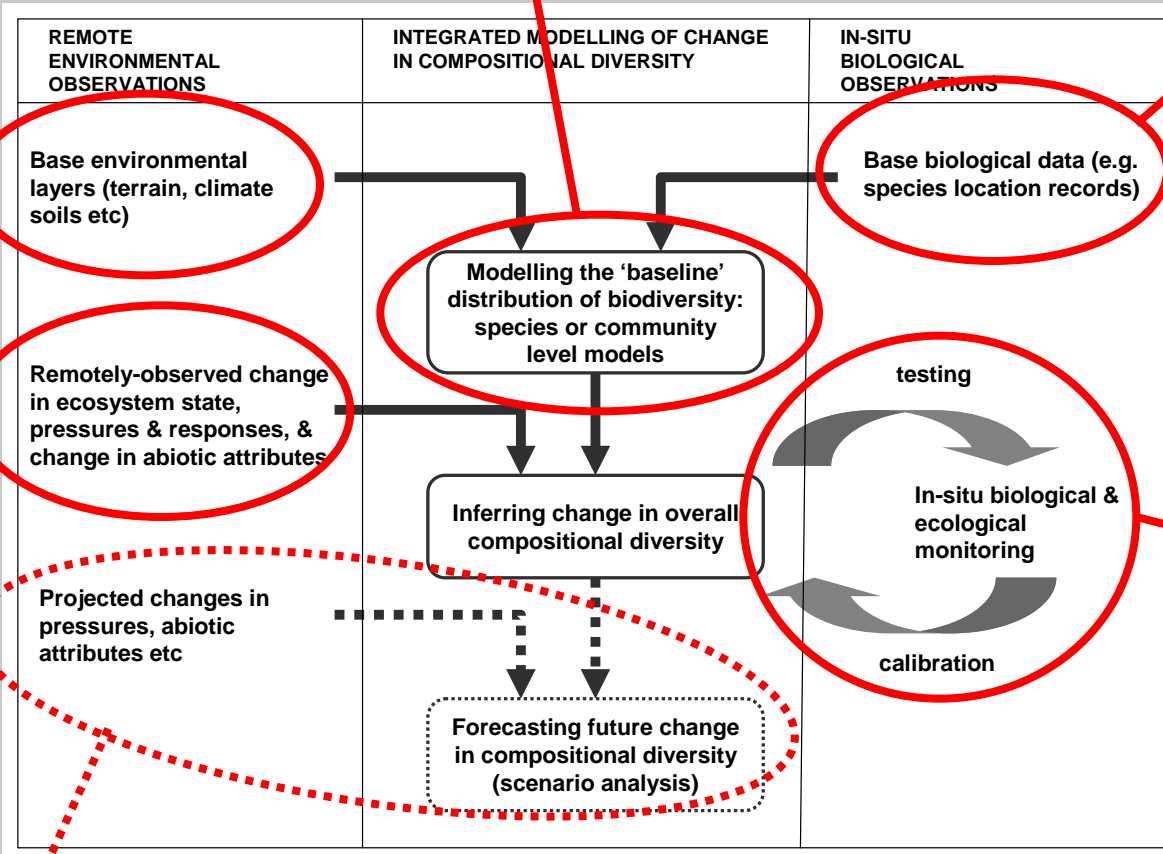
- **Activity 1: Undertake a comprehensive review of needs, capabilities, opportunities and priorities for using model-based integration of in-situ and remote sensing data to assess biodiversity change across scales**
- **Activity 2: Facilitate establishment of a collaborative framework for integrated modelling of global change in compositional diversity**
 - Sub-activity 2.1: Develop the overall framework, and establish collaborative links with existing initiatives addressing components of this framework (needs close collaboration with WG8)
 - Sub-activity 2.2: Address key challenges relating to particular components
 - *Sub-sub-activity 2.2.1: Improve interpretation of ecosystem intactness / condition from remote sensing*
 - *Sub-sub-activity 2.2.2: Demonstrate potential for using in-situ monitoring sites for testing / calibration (Terry Parr's ILTER / NPP proposal; link to WGs 2, 3 etc?)*
 - *etc ...*
 - Sub-activity 2.3: Facilitate early applications of the framework using best-available global data – terrestrial (with WGs 2, 3?), freshwater trial (with WG4), microbial metagenomics-based trial (with WG1), marine trial? (with WG5?), etc ...



'biological distribution modelling' community

new NCEAS working group

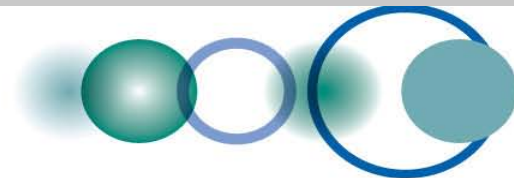
GBIF, OBIS etc



'earth observation' community

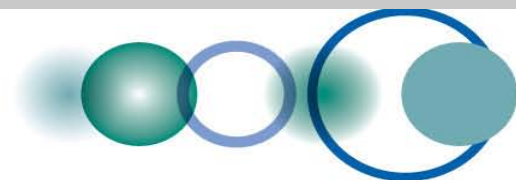
'LTER / in-situ monitoring' community

'global scenario analysis' community



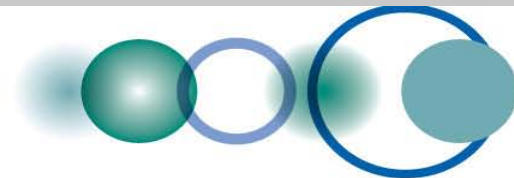
Activities

- **Activity 1: Undertake a comprehensive review of needs, capabilities, opportunities and priorities for using model-based integration of in-situ and remote sensing data to assess biodiversity change across scales**
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 - *Sub-sub-activity 2.2.2: Demonstrate potential for using in-situ monitoring sites for testing / calibration (Terry Parr's ILTER / NPP proposal; link to WG2?)*
 - *etc ...*
 - Sub-activity 2.3: Facilitate early applications of the framework using best-available global data – terrestrial (with WGs 2, 3?), freshwater pilot (with WG4), microbial metagenomics-based trial (with WG1), marine trial? (with WG5?), etc ...



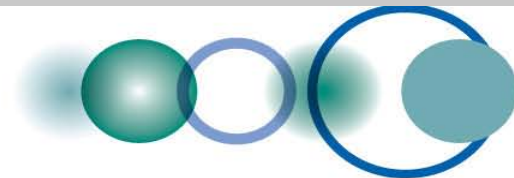
What work remains?

- Lots!



What is your plan?

- We still need to talk about this (later today)



Obstacles

- What are the main challenges to:
 - Complete the next draft
 - Just the usual – i.e. a shortage of available time
 - Begin implementation
 - Just the usual – i.e. securing necessary funds and/or in-kind contributions to make this happen

