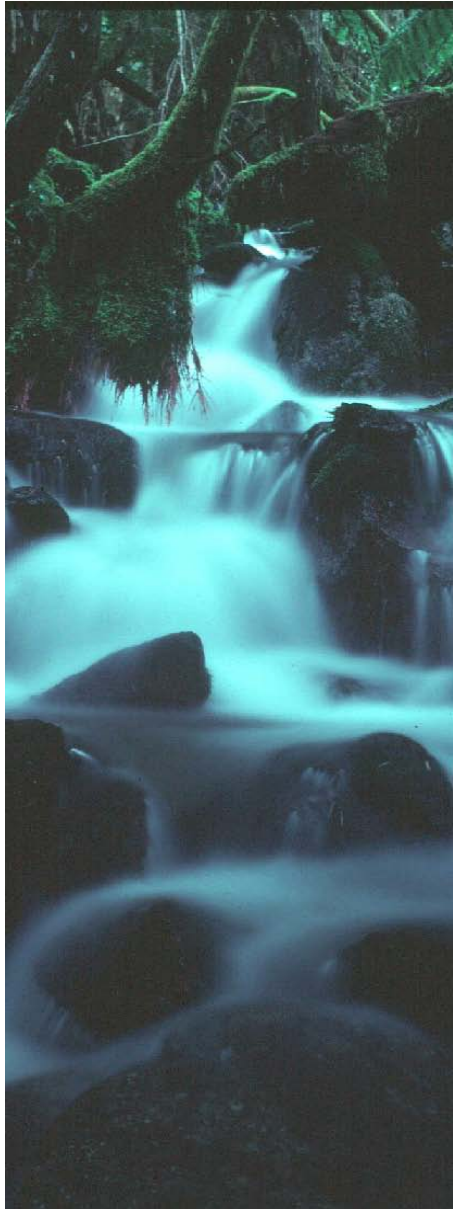




GEOBON Working Group 4 Freshwater Ecosystem Change Overview





Membership

- Ian Harrison, Co-lead (Conservation International/ IUCN, USA),
- Eren Turak, Co-lead (DECCW Australia)
- Robin Abell (WWF USA)
- David Dudgeon (Hong Kong University –China)
- Carmen Revenga (TNC USA)
- Sebastian Miazza (UNEP, Switzerland)
- Nicholas Tubbs (Wetlands International)
- Jeanne Nel (CSR South Africa)
- Peter MacIntyre (Michigan University DIVERSITAS)
- Aventino Kasangaki (Mbarara University, Uganda)
- Lu Cai (Beijing University of Forestry China)
- Shin-Ichi Nakano (Kyoto University Japan)
- Jonathan Higgins (TNC USA)
- Klement Tockner (Berlin University BioFRESH),
- EFlowsNet © GEO Secretariat



Activities of WG4

- Kicked-off in October 2009
- Commenced working on the implementation plan
- Most members on board by end Nov.
- Two teleconferences (late 2009)
- Put in a proposal for a GEOBON side event at the World Water Week (Stockholm Sept 2010)
- Freshwater book



Key issues for WG 4

- Spatial units of observation- subcatchments/ ecoregions/ ecosystem types.
- Delineation (boundaries with marine, terrestrial systems).
- Trends (observing change).
- Levels of observation: genes, species, community and ecosystem level analyses
- Ecosystem services
- Modelling, forecasting
- Role of research



Likely links

- WG 1: Supplying sp data for genetic analysis
- WG 2: Freshwater species covered
- WG 3: Temporal scales of change
- WG 5: Marine-FW interface, temporal scales of change
- WG 6: Types of data needed to assess ecosystem services for freshwaters
- WG 7: consistency and accuracy in modelling
- WG 8: advising on issues of data quality
- EC-06-02, Ecosystem classification



Implementation partners

Activity	Main potential partners
4.3.1 Review of projects and datasets	CI, IUCN-Sp, BioFresh, SCB FWG, FADA, NatureServe
4.3.2 Resolve Intellectual property issues	IUCN-Sp, DIVERSITAS, GBIF, CI
4.3.3 Delineate spatial units	WWF, TNC, IUCN-Sp
4.3.4 Evaluate environmental variables	SCB FWG, DIVERSITAS, IUCN-Sp, CI, WWF, TNC, WI
4.3.5 Identify suitable sampling methods for biota	BioFresh, SCB FWG, IUCN-Sp, CI, WWF, WI, NatureServe
4.3.6. Environmental flow analysis	TNC, Eflows
4.3.7 Develop and test models	BioFESH, SCB FWG, CI, IUCN-Sp, TNC, DIVERSITAS
4.3.8 Global ecosystem classification	WWF, TNC, Ecosystems GEO theme EC-06-02, NatureServe
4.3.9 Wetland mapping	WI, Ramsar SRTP, WWF, CI, IUCN-Sp,
4.3.10 Determining potential wetland extent	WI, Ramsar SRTP, WWF, CI, IUCN-Sp, TNC
4.3.11 Facilitate and coordinate research	GEOBON Secretariat-WG4
4.3.12 Select biodiversity indices	CI, BioFresh, SCB FWG, WI, TNC
4.3.13 Review projects on ecosystem services	WI, TNC, WWF, CI



Thank you

