



Lake observatories



Meetings

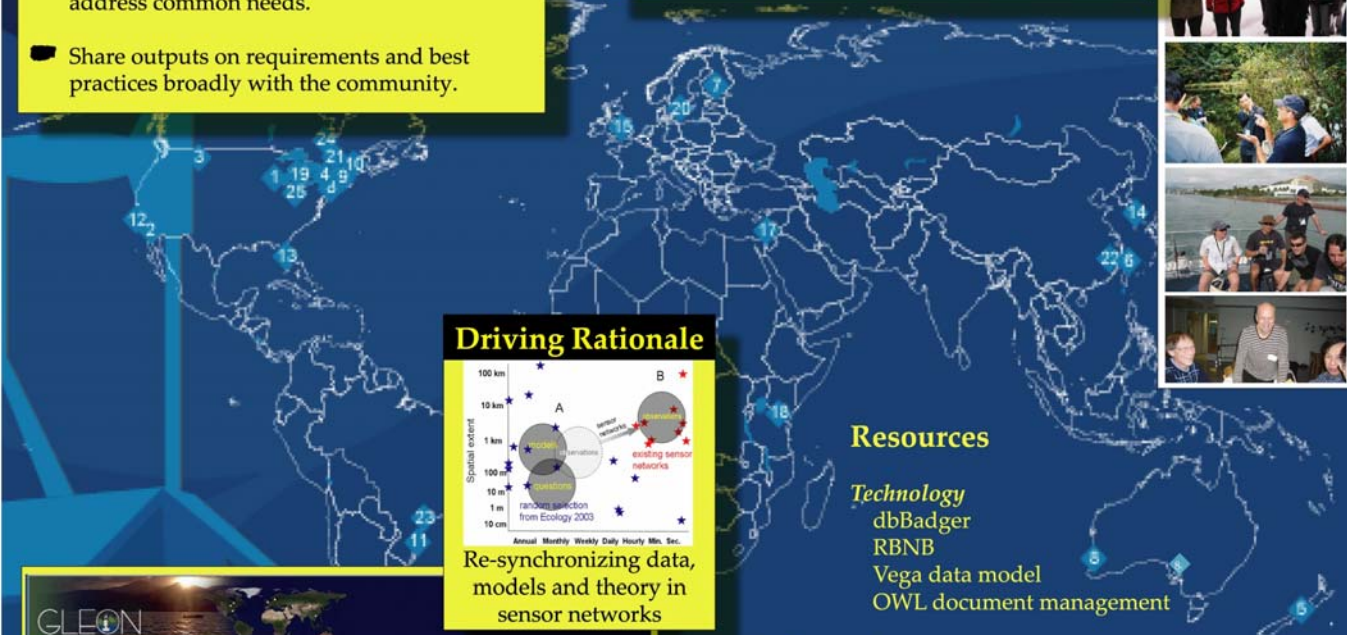


Information Technology

- Inform members of developing information technologies, and engage them in the development of the requirements for the next generation of information technologies.
- Inform information technologists on new ecological science and modeling directions.
- Identify, prioritize, and develop plans to address common needs.
- Share outputs on requirements and best practices broadly with the community.

Community

- Integrate junior scientists (students, postdocs, beginning faculty) in RCN activity to inform, train, and mentor.
- Prepare the next generation of scientists for large, collaborative, international, interdisciplinary science.
- Engage researchers and funding agencies in individual countries to build a diverse international community.



Driving Rationale

Re-synchronizing data, models and theory in sensor networks

Science

- Advance the science that requires a global network of sensed-lakes.
- Articulate the data and metadata standards required to advance the science.
- Develop ecosystem models that maximally exploit information content of sensor data.
- Disseminate to the community the outcomes of the RCN to inform other national sensor network efforts.

- Resources**
- Technology
 - dbBadger
 - RBNB
 - Vega data model
 - OWL document management

- People**
- IT, lake physics, ecosystems disciplines
 - Growing student participation
 - 19 countries represented
 - 110+ participants

- Science**
- Physical/chemical/bio models
 - Controlled vocabulary
 - Lakes meta data db
 - On-line data sets
 - NowCasting
 - Publications

- GLEON RCN Steering Committee**
- Paul Hanson, UW
 - Peter Arzberger, UCSD
 - Barbara Benson, UW
 - Carol Brewer, UM
 - Cayelan Carey, Cornell
 - Jon Cole, IES
 - David Hamilton, Univ. Waikato, New Zealand
 - Tim Kratz, UW
 - Fang-Pang Lin, NCHC, Taiwan

GLEON VI
Florida
Feb 11-14, '08

GLEON VII
New Zealand
2008

