

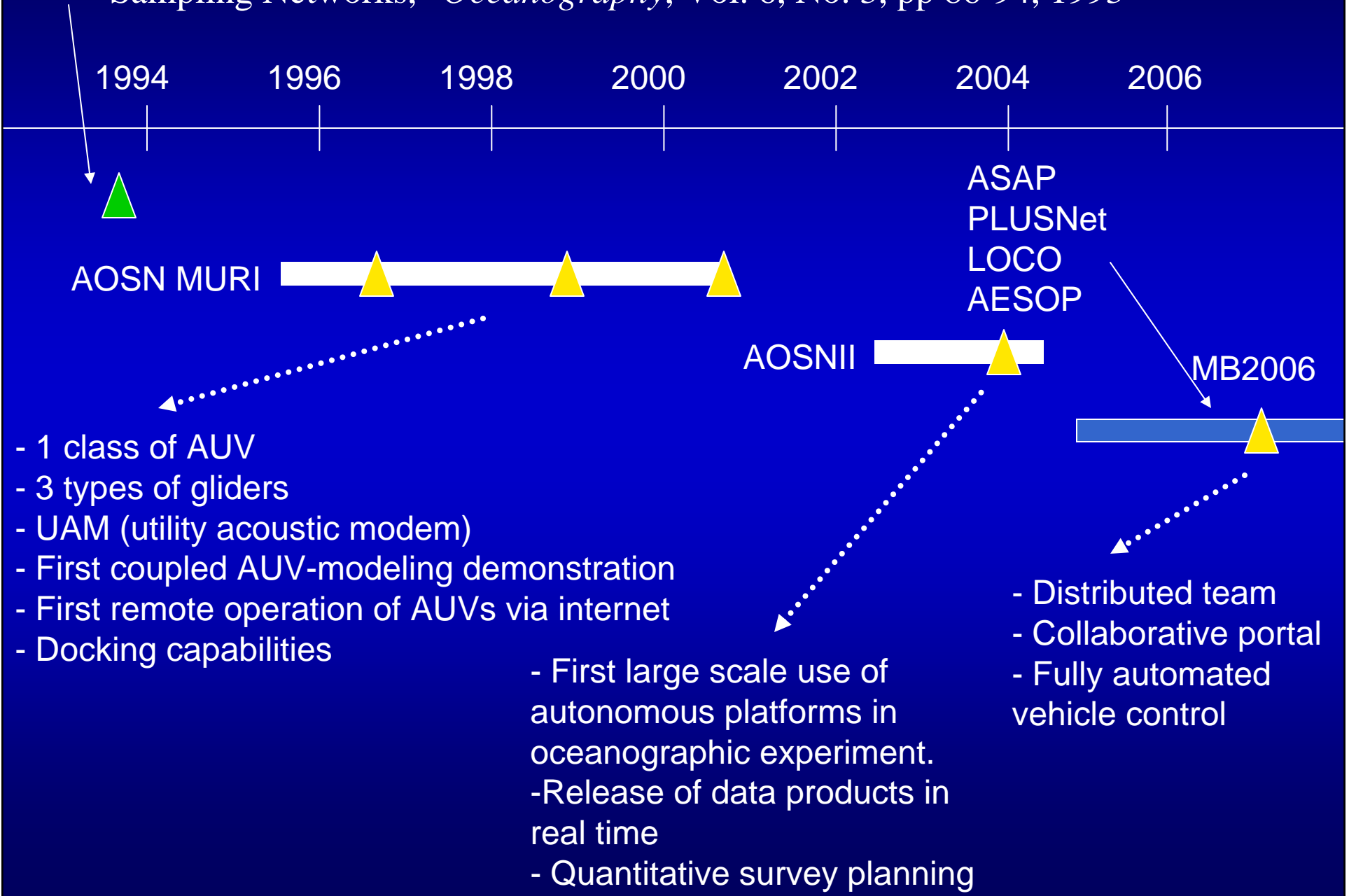
Autonomous Ocean Sampling Networks

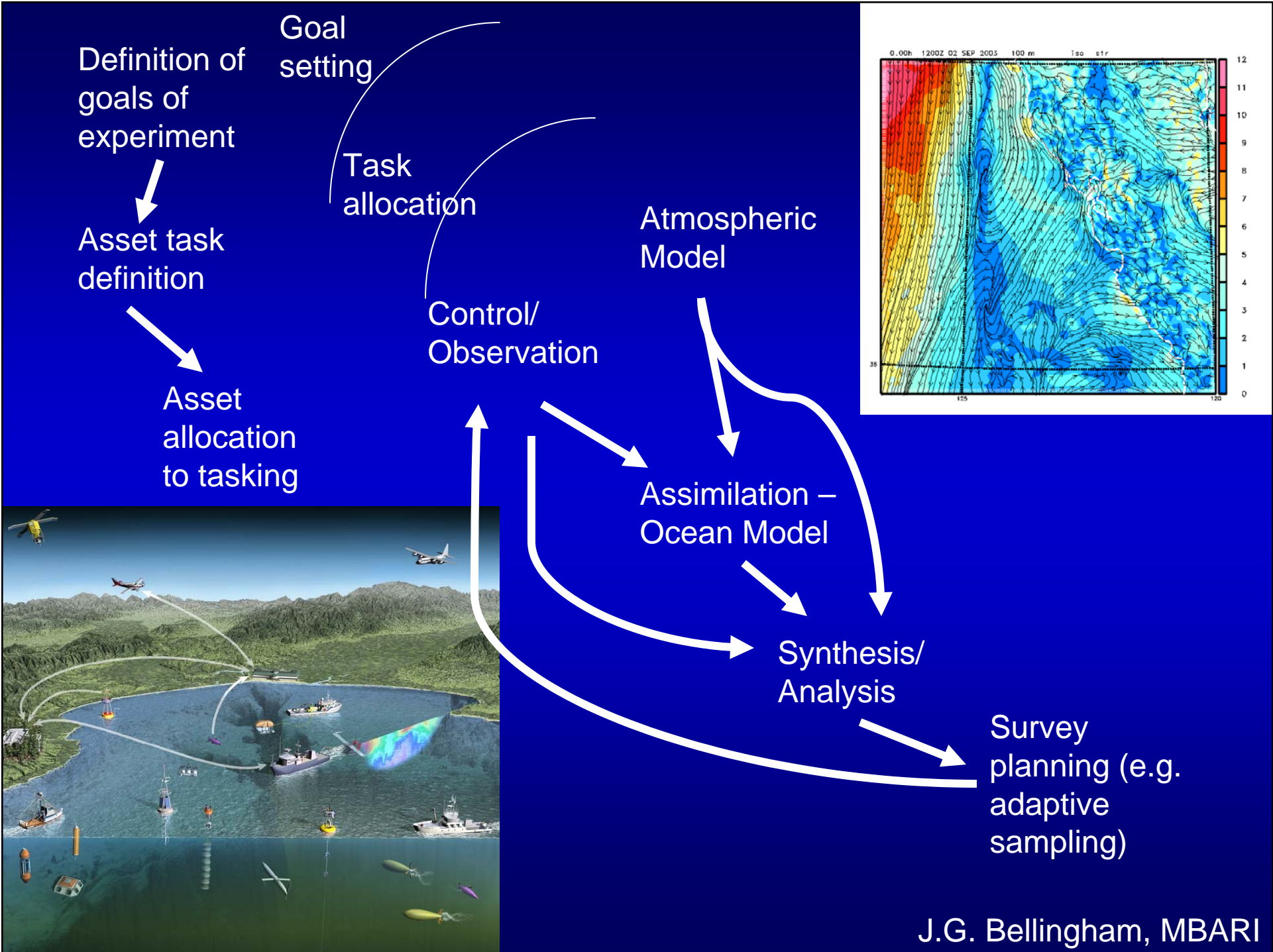
J. G. Bellingham

Semiahmoo, August 7, 2006

Animation...

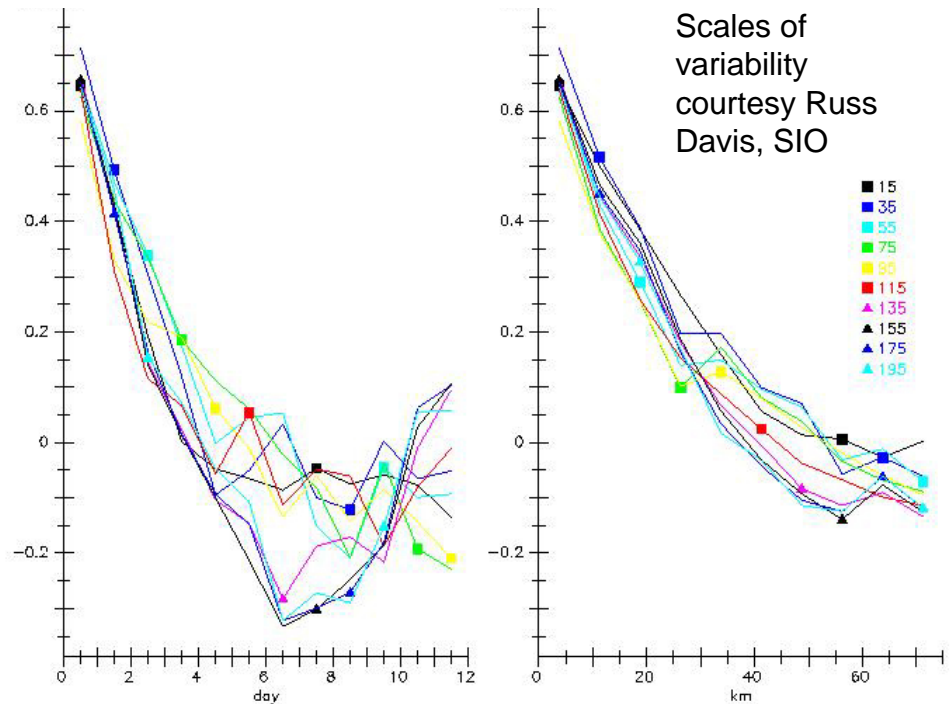
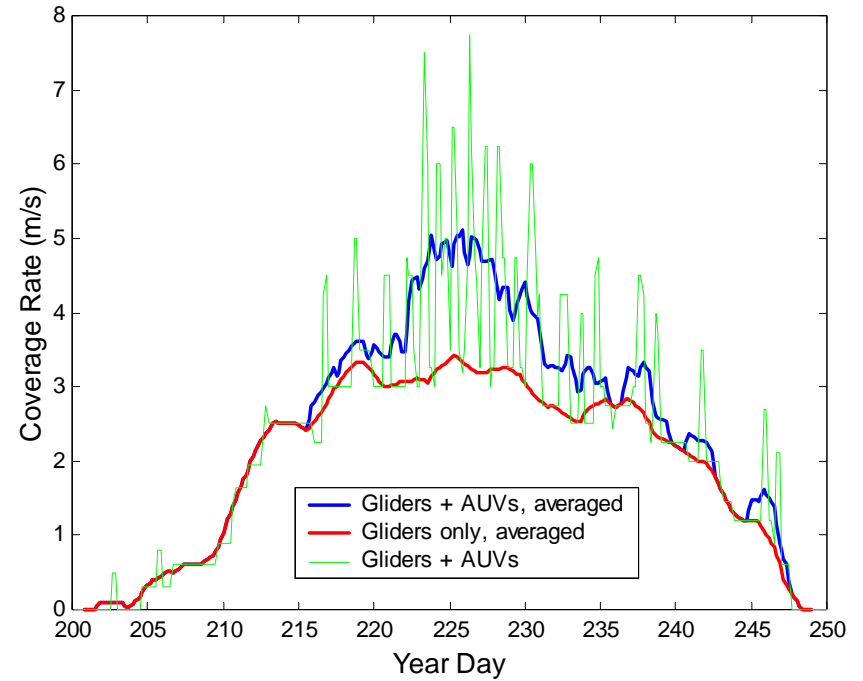
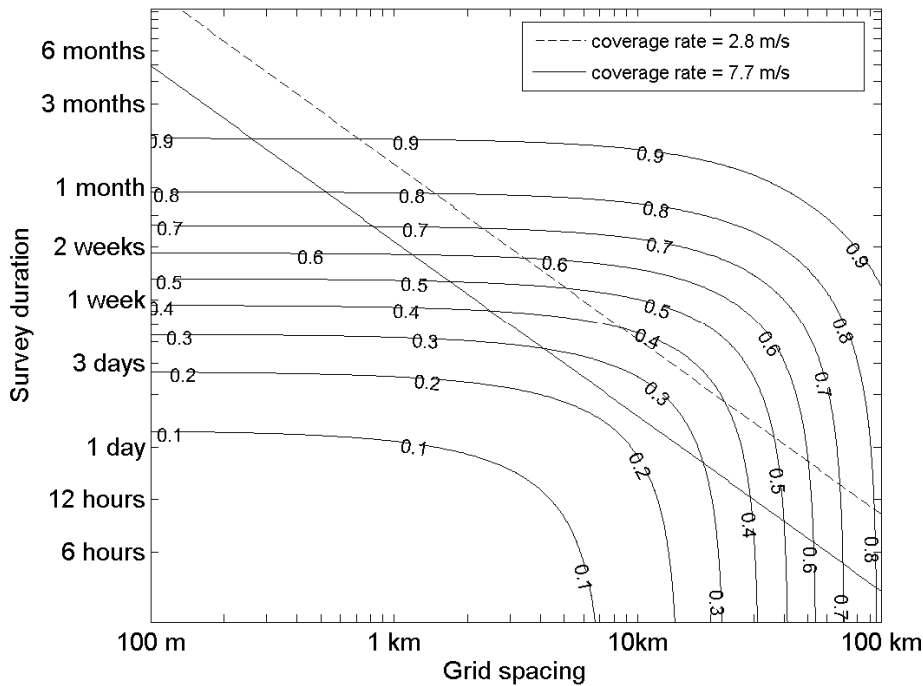
Curtin T., Bellingham, J. G., Catipovic, J., and Webb, D., "Autonomous Ocean Sampling Networks," *Oceanography*, Vol. 6, No. 3, pp 86-94, 1993



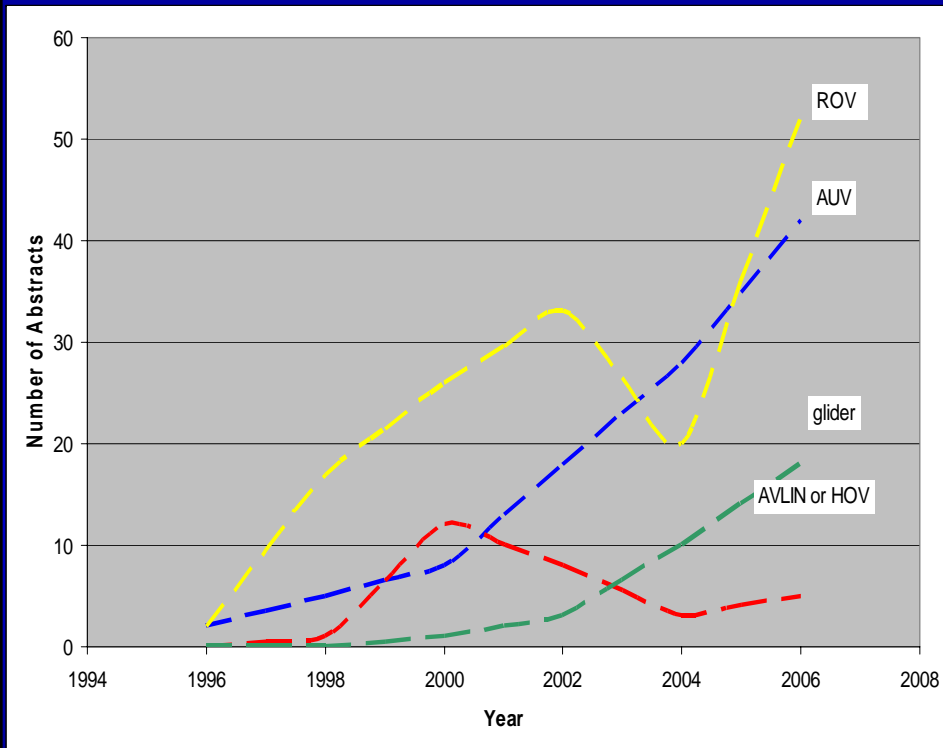


Designing Surveys Quantitatively

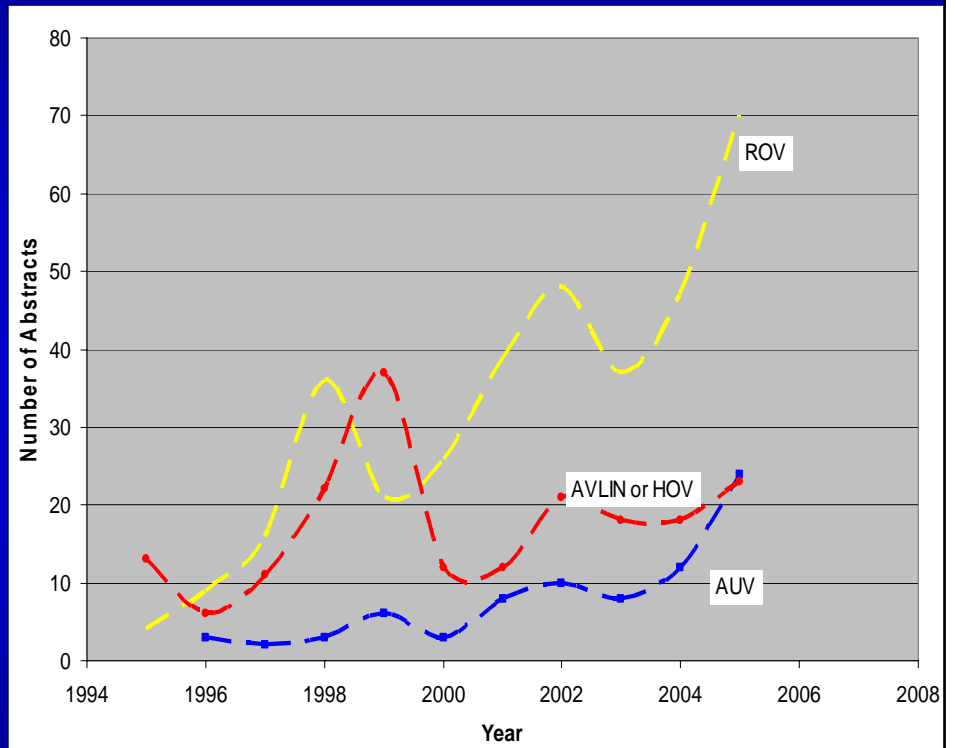
Normalized mean-square survey error. Survey area = 10000 ((km)²); $\tau_0 = 2.9$ day(s); $\lambda_0 = 2$



Science Impact of Technologies



Ocean Sciences/ASLO



AGU Fall Meeting

Links

- Collaborative Space:
 - <http://aosn.mbari.org/coop>
- Data exploration:
 - <http://www.mbari.org/mb2006/moqua/>

Topics

- Where does autonomy belong?
- ‘Regular’ sampling versus adaptive sampling
 - Trustworthiness of model & synthesis versus interpretability of observations
- Utility of mobile platforms building
 - Now in ‘market pull’ mode
- Building trust in data systems