

Summary of discussion after **Terry Parr's lecture "Long-term ecosystem research and monitoring biodiversity and ecosystem services, or, another small contribution to sustainability?"**

Question: There were no impacts of climate change in the Country Survey. Do you have enough statistical power to detect change?

Terry: Yes, number of plots was chosen because of power. Causation is difficult to prove, but there were still no impact detected. However, LTER do not have randomly selected sites, which can be a problem. But sometimes you don't need many sites to answer a question. Don't mix LTER-network with a randomly set up research study. There is some statistical robustness in LTER also, for example, 40-60 sites are needed for looking at the effect on pollution on climate change.

Question: How do you integrate sites globally?

Terry: There is going to be a diversity of approaches among sites and we need to accept that. The network gives a basis on how to approach this issue.

Question/Comment: Maps are good for communicating, but what is it really communicating? How will the reader know how to interpret it and to know the strength of it? The impact of a map might be too powerful. Also, validation is difficult.

Question: Shouldn't number of sites be different for different measurements?

Terry: There is no consideration of this in the network. However, standard protocols should be used.

Summary by Sandra Öberg