Future Field Campaigns

ABoVE is scheduled to 'conclude' in ~2024.

Now is the time to consider what we might do next?

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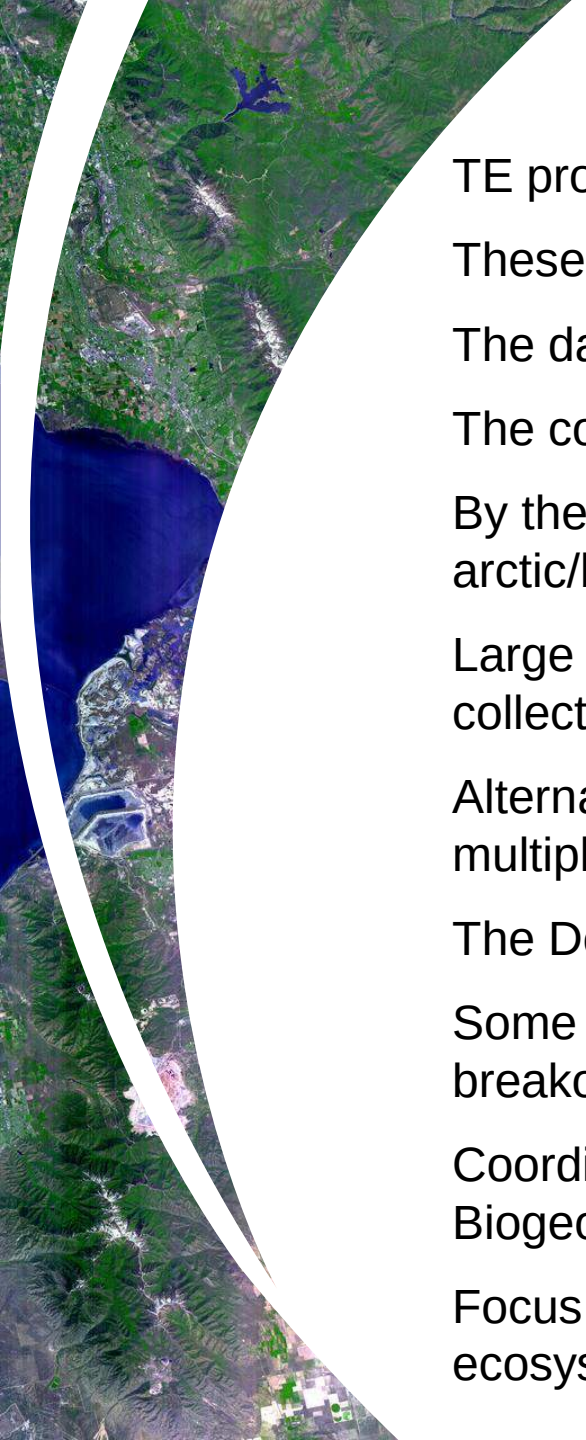

Evolution of TE's Field Campaigns – 1 Slide Summary

TE program has a long history of supporting field campaigns

These campaigns have produced a tremendous amount of new knowledge

The data generated facilitate high impact science both within and the campaign science team

The community generally recognizes the value/importance of TE supported field campaigns

By their nature, field campaigns exclude certain science communities (e.g., ABoVE left non-arctic/boreal PIs *out OF the cold*). Tough on soft money scientists/new PIs.

Large investments in field campaigns may limit resources for other important initiatives (e.g., collecting field data to support global biomass)

Alternative models could alleviate some of this (e.g., flying/studying long gradients that integrate multiple systems, Smaller/distributed/targeted campaigns to fill modelling/data gaps)

The Decadal survey is a useful guide toward defining the next field campaign

Some ideas: costal systems, wildland urban interfaces, need to look at future directions breakout summary

Coordinate and co-fund field campaigns with other NASA programs (like Ocean Biology & Biogeochemistry, Biodiversity, Terrestrial Hydrology)

Focus on pairing with high quality, long-term field sites (i.e. LTERs etc. in critical global ecosystems) to synergize NASA scaling capabilities with detailed field science/measurements