BioSpace25 - Biodiversity insight from Space
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Ecosystem Vulnerability, Integrity and Resilience

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Ecosystem Vulnerability, Integrity and Resilience

Objectives: Monitoring ecosystem resilience, vulnerability and intactness using biophysical, biochemical and taxonomic EBVs

- Common theme:
  - One variable is not enough: all presenters used approaches based on multiple metrics
  - We need to integrate multiple sensors, data types, EBVs
- What is the baseline?
  - How do you define the baseline, and how does it influence your conclusions?
  - The goal is not necessarily to return to the baseline, but we need a clearly defined reference state
  - Use anomaly to detect change with regard to the reference state
- We need scalable approaches
  - Generalizable models
  - Standard protocols and multi-scale cal-val approaches
  - Time series -> continuity, both from remote sensing and systematic in-situ sampling