Coral reef science requires data integration at multiple scales. Coral reef work serves as a complex collective use case for EarthCube because its research spans a very broad range of:

- science disciplines (‘omics to ecology to remote sensing, climate change),
- technological tools and challenges (data to rescaling and integration),
- spatial scales of organization (molecular to global), and
- temporal event scales (seconds to millennia).

Challenges of scale and integration are simultaneous.

Coral reef science requires multidisciplinary collaboration.

Two upcoming training workshops will focus on constructing workflows highlighting tools, interoperability, cleaning, analysis, visualization, repositories, embedded credit. Some pipelines and tools described at crescentblog.wordpress.com

As with many geoscientists, coral reef researchers self-identify as multidisciplinary with multiple technological needs and interests (everybody needs everything).