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Big data, STEM, user-communities, and preserving aquatic biodiversity in the West

Presentation 11/9 at 3:30 pm, Lewis 304

Research Bio: To develop information about aquatic ecosystems at extents and grains relevant to a broad coalition of conservation and management agencies, Dan and his research teams rely heavily on digital and social media technologies to engage with, and foster, user-communities, organize large datasets contributed by these communities, and disseminate centralized databases and new scientific insights via public websites. This science-management model is low cost and creates an ongoing dialogue between researchers and managers, leads to new collaborative relationships, more efficient data collection, better use of scientific information, and novel ideas that shape future research. Several of the websites developed to serve specific user-communities and aquatic themes are listed below.