Workshop: Food Webs for Model Islands

Berkeley Institute for Data Science, Berkeley, California
27-28 April 2015

The Moorea Interactome workshop is organized by the NSF-funded research project Socio-Ecosystem Dynamics of Human-Natural Networks on Model Islands in collaboration with the IDEA Consortium (Biocode Genomic Observatory Working Group). It will address how to characterize highly resolved extant Moorea food webs, as well as human-centered ecological networks on three additional French Polynesian islands over the period of 1000 years of human presence.

In the context of global standards and best-practice in food web databasing, the workshop will start: (a) assembling species lists for Mo'orea reef, lagoon, and forest food webs (much of which will come from Biocode and other related Moorea based research), (b) coming up with a strategy for, and beginning to implement, documentation of feeding interactions and other types of information, particularly species' body sizes, and (c) compiling human-centered species-use networks over the last 1000 years for Mo'orea, Maupiti, Ra'iatea, and Mangareva.

Organizers

Jennifer Dunne (SFI)
Neil Davies (UCB)
Neo Martinez (U Arizona)

Venue

Berkeley Institute for Data Science BIDS-190B-CR Doe Library
 directions

Participants

1. Jennifer Dunne - Santa Fe Institute
2. Neil Davies - UC Berkeley
3. Neo Martinez - U Arizona
4. Spencer Wood - Stanford
5. Chris Meyer - Smithsonian

6. Tony Dell - National Great Rivers Research and Education Center (NGRREC)
7. Patrick Kirch - UC Berkeley
8. Jennifer Kahn - William and Mary College
9. Fernanda Valdovinos - Univ. Arizona
10. Falk Schuetzenmeister - Berkeley Institute for Data Science
11. Dav Clark UC Berkeley - Berkeley Institute for Data Science
12. Charlotte Cabasse - Berkeley Institute for Data Science
13. Karthik Ram - Berkeley Institute for Data Science
14. Rich Williams - PEaCE Lab Berkeley
15. Jorrit Poelen - GLOBI
16. Chris Mungall - LBNL
17. George Roderick - UC Berkeley
18. Rosie Gillespie - UC Berkeley
19. Brent Mishler - UC Berkeley
20. Lauren Ponisio - UC Berkeley

Sponsors/Hosts

- NSF CNH: Socio-Ecosystem Dynamics of Human-Natural Networks on Model Islands #1313830

- ◢◣ Moorea IDEA
  ISLAND DIGITAL ECOSYSTEM AVATARS CONSORTIUM
    - IDEA Consortium

- Berkeley Institute for Data Science

Goals

- Characterize French Polynesia island food webs, across multiple habitats, through deep time, and including humans:
    - Assemble species lists for Mo'orea reef, lagoon, and forest food webs (much of which will come from Biocode and other related Moorea based research).
    - Come up with a strategy for, and begin to implement, documentation of feeding interactions and other types of information, particularly species' body sizes.
    - Compile human-centered species-use networks over the last 1000 years for Mo'orea, Maupiti, Ra'iatea, and Mangareva.
- Consider project in context of the Moorea IDEA and current global standards and best-practice in food web databasing

Program

See the schedule here