Predicting Past and Future Impacts of Sea-Level Rise on Coastal Habitats and Species – Integrating Hydrological and Ecological Models

Moderator: Eric Swain
“All models are wrong. Some models are useful”
Models: a set of equations

- Much is learned about the system when getting the model to work.
- Models extend the information available from observed data.
- Models are only as good as the data used to develop them and the understanding of the processes being modeled.
How to use models

➢ Compare and supplement with field measurements
➢ Define limitations of use: Data, boundaries
➢ Interpret results with best scientific knowledge of system and model
➢ Treat model as an experimental tool