



[National Adaptation Forum](#)

Action today for a better tomorrow

May 9-11, 2017 — Saint Paul, Minnesota [#NAF2017](#)

A Game of Floods – The Adaption Reality Behind the Metaphor

Jack Liebster

County of Marin

Thursday 8:00am - Concurrent Session 8

[Meeting Room 11](#)

Symposium (Individual Presentations)

Marin County's award winning "Game of Floods" is a fun, engaging activity to help officials and citizens confront the complexities and challenges of adapting to Sea Level Rise. The simulated, fictitious "Marin Island" game board is used to show how nature-based protections, land use policy changes and traditional engineering could address future sea level rise. Staff developed the Game because an educated citizenry is critical to successful planning and implementation in a county where the stakes are high: the second most vulnerable of nine Bay Area counties with potential asset losses of \$8.5 billion+. Flooding associated with high tides and storms already impacts infrastructure and disrupts people's lives.

In this session a number of the players will discuss the actual leading edge work of the reality behind the Game. The USGS will set the stage through their modelling of future flood risks, the "game obstacles". County staff will describe Marin's ocean and bay side's vulnerabilities and adaptation efforts, the "game strategies". The Center for Ocean Solutions explore "the rules of the game" by distilling legal and policy considerations to implementing resilient adaptation strategies. San Francisco Estuary Institute will describe the "playing pieces" - nature-based adaptation strategies being proposed and piloted on the Marin shoreline. The Coastal Conservancy discuss how these adaptation pilot projects will be fueled by the Bay's "Community Chest", funding such as the recent Bay-wide ballot measure. The County wrap up with describing tradeoffs necessary to win the real game, overviewing conflicts, collaboration, compromises and consensus building.

Cross-Cutting Themes:

[Coalitions & Collaboration](#), [Cross-sectoral Adaptation](#), [Using Nature-based Solutions](#)

Focal Topics:

[Critical Infrastructure](#), [Development / Socioeconomic Adaptation](#), [Policy, Governance, & Law](#)

Presentations

Leaning into Adaptation on the Left Coast

Jack Liebster, Marin County

[show abstract](#)

♣ Setting the Board in Motion: Coastal Storm and Sea Level Rise in Marin County

Juliette Finzi Hart, U.S. Geological Survey

Rules of the Game: Implementing Natural Strategies

Eric Hartge, Center for Ocean Solutions

Fueling (and/or Financing) the Game of Floods: Funding Adaptation in the San Francisco Bay

Kelly Malinowski, California State Coastal Conservancy

The Playing Pieces: what could nature-based adaptation strategies look like in Marin?

Jeremy Lowe, San Francisco Estuary Institute

[show abstract](#)