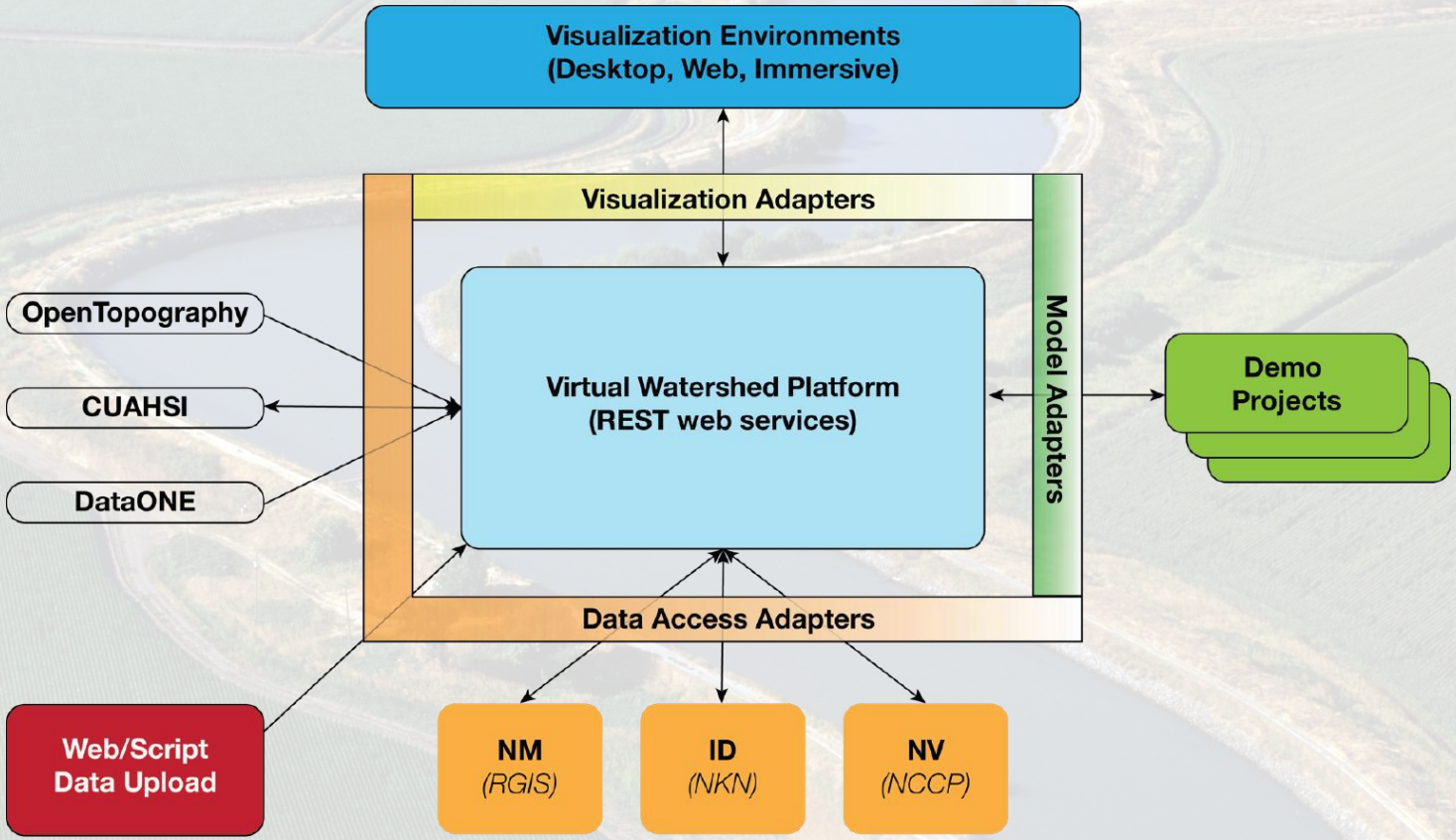
Karl Benedict
Director of Research Data Services,
College of University Libraries and Learning Sciences. UNM

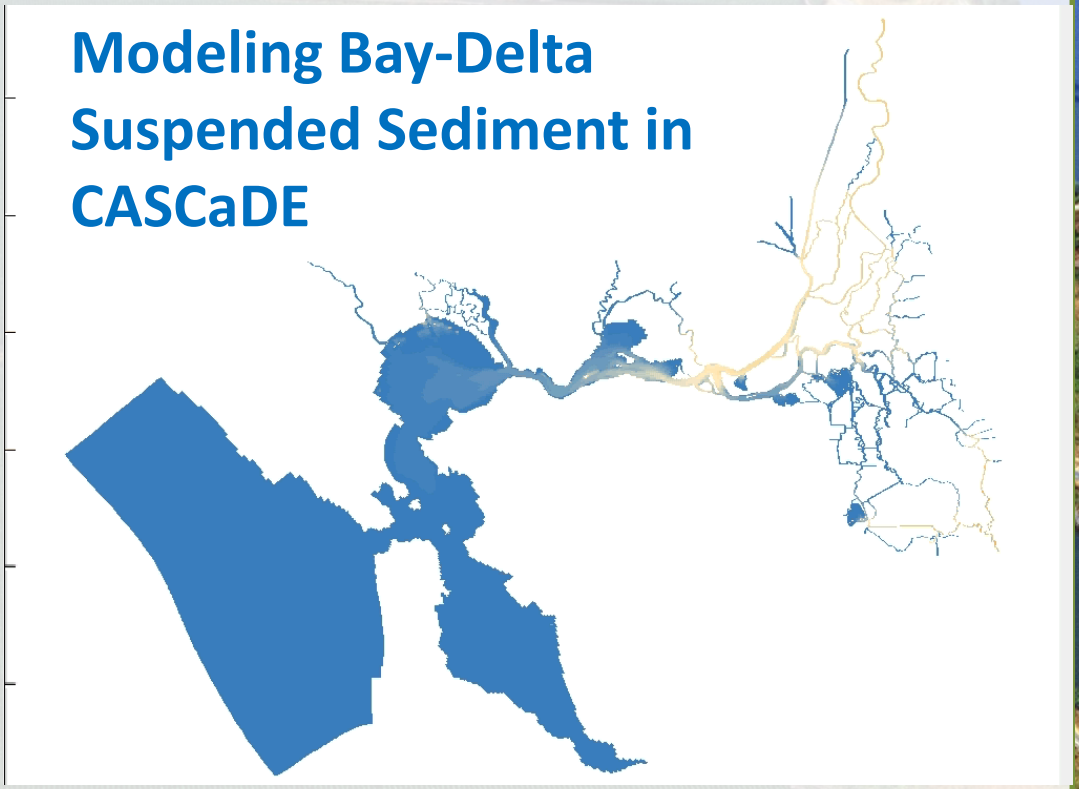
WC-WAVE
IDAHO EPSCoR • NEVADA EPSCoR • NEW MEXICO EPSCoR



F. Achete-Minikowski, M. van der Wegen, B. Jaffe *(L. Lucas presenting)*

UNESCO-IHE Institute for Water Education
Deltares Enabling Delta Life
USGS

Modeling Bay-Delta Suspended Sediment in CASCaDE



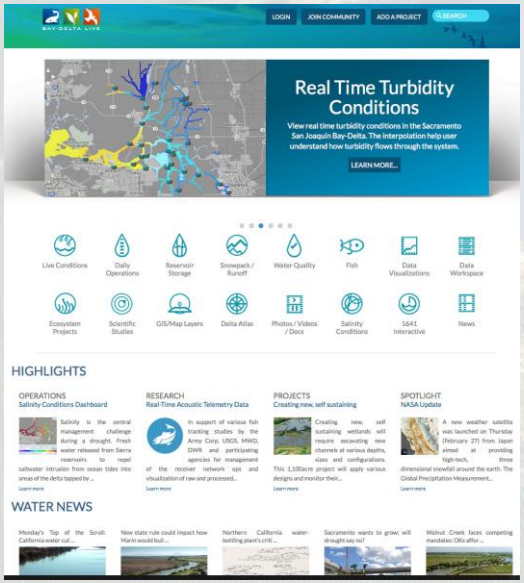
- 2D, Flexible Mesh
- WY 2011
- 2 sediment fractions (mud, sand)
- Delta operations important:
  - ✓ *Delta Cross Channel*
  - ✓ *South Delta pumps*
- See: Achete et al., In Review at: ***http://www.hydrol-earth-syst-sci-discuss.net/12/1507/2015/hessd-12-1507-2015-discussion.html***

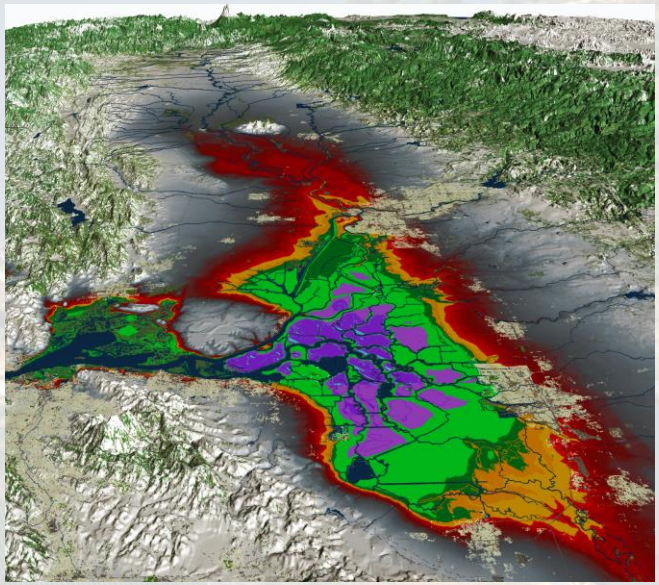
DAVID OSTI, 34 NORTH

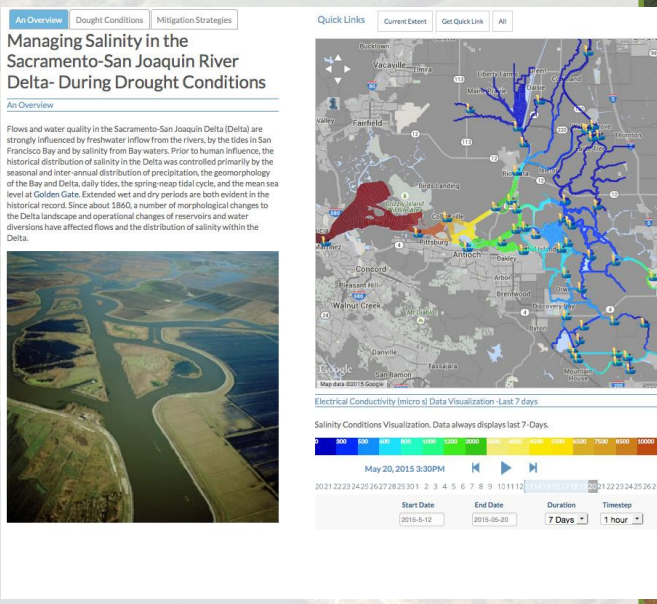
34NORTH

Using OPENNRM : Tell your Data Story

Baydeltalive.com and San Joaquin Real Time Management collaborative resource management web applications and workspaces for data collection, analysis and visualization.





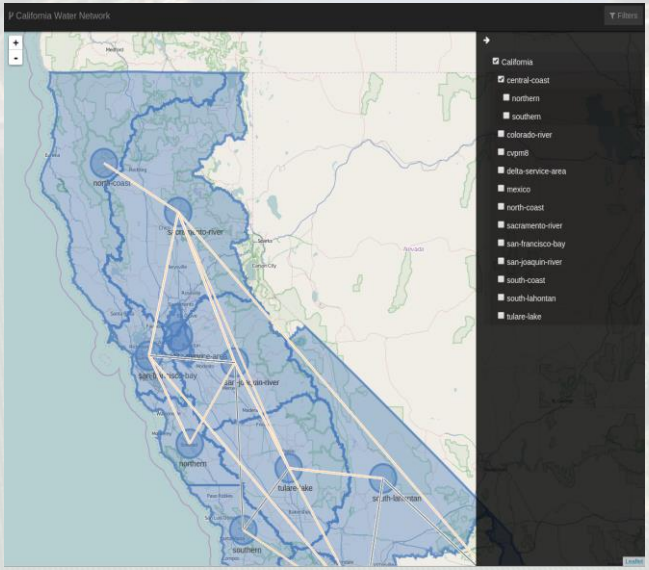


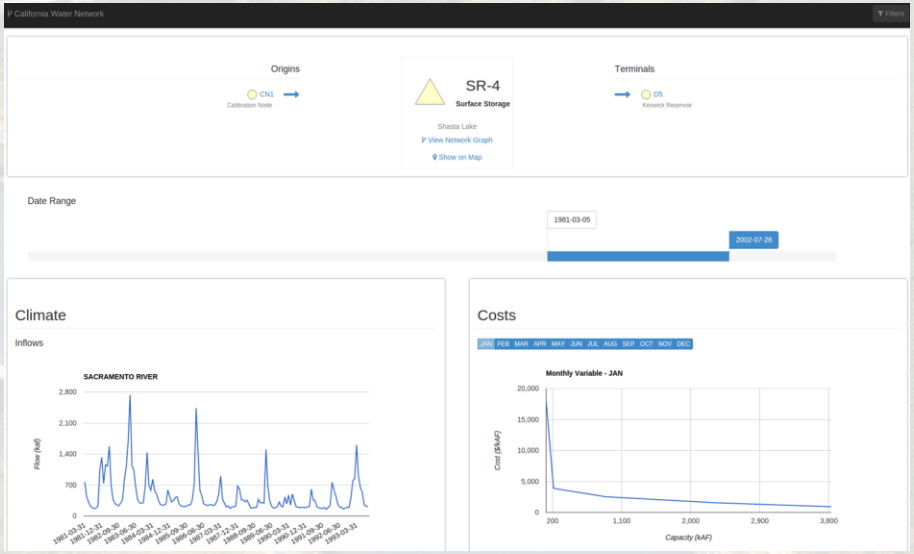
Quinn Hart

UCDAVIS CENTER FOR WATERSHED SCIENCES

HOBBES

Visualizing ✦ Standardizing✦Sharing
California's Water Conveyance System





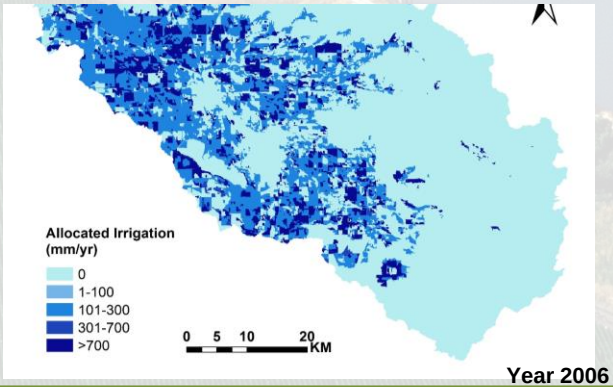
Lejo Flores
Boise State University & Idaho EPSCoR

BOISE STATE UNIVERSITY

IDAHO EPSCoR

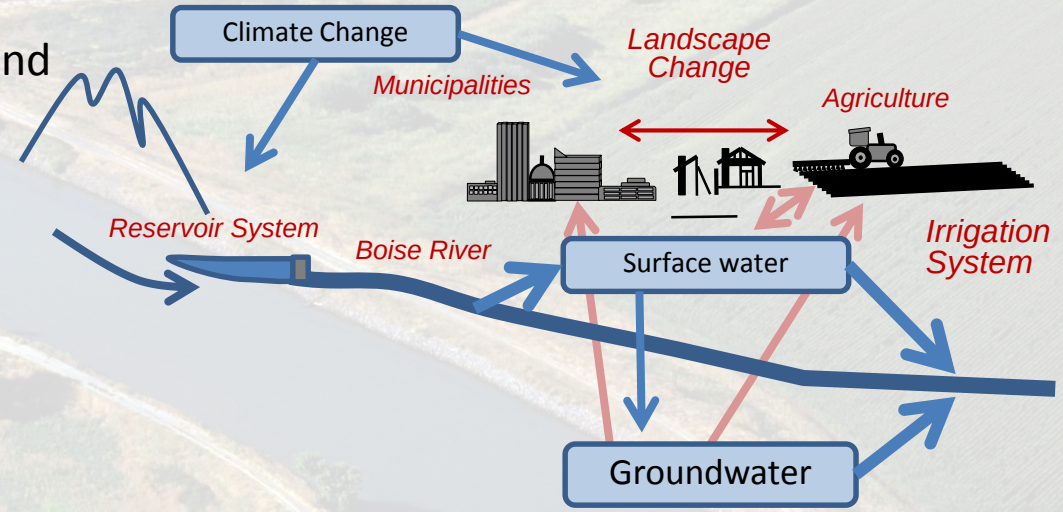
Integrated modeling of coupled human-natural systems

- Envision framework (Oregon State)
- Upland hydrology and land management practices
- Reservoir operations
- Water rights diversion, allocation, and irrigation
- Urbanization



Year 2006

Conceptual Model



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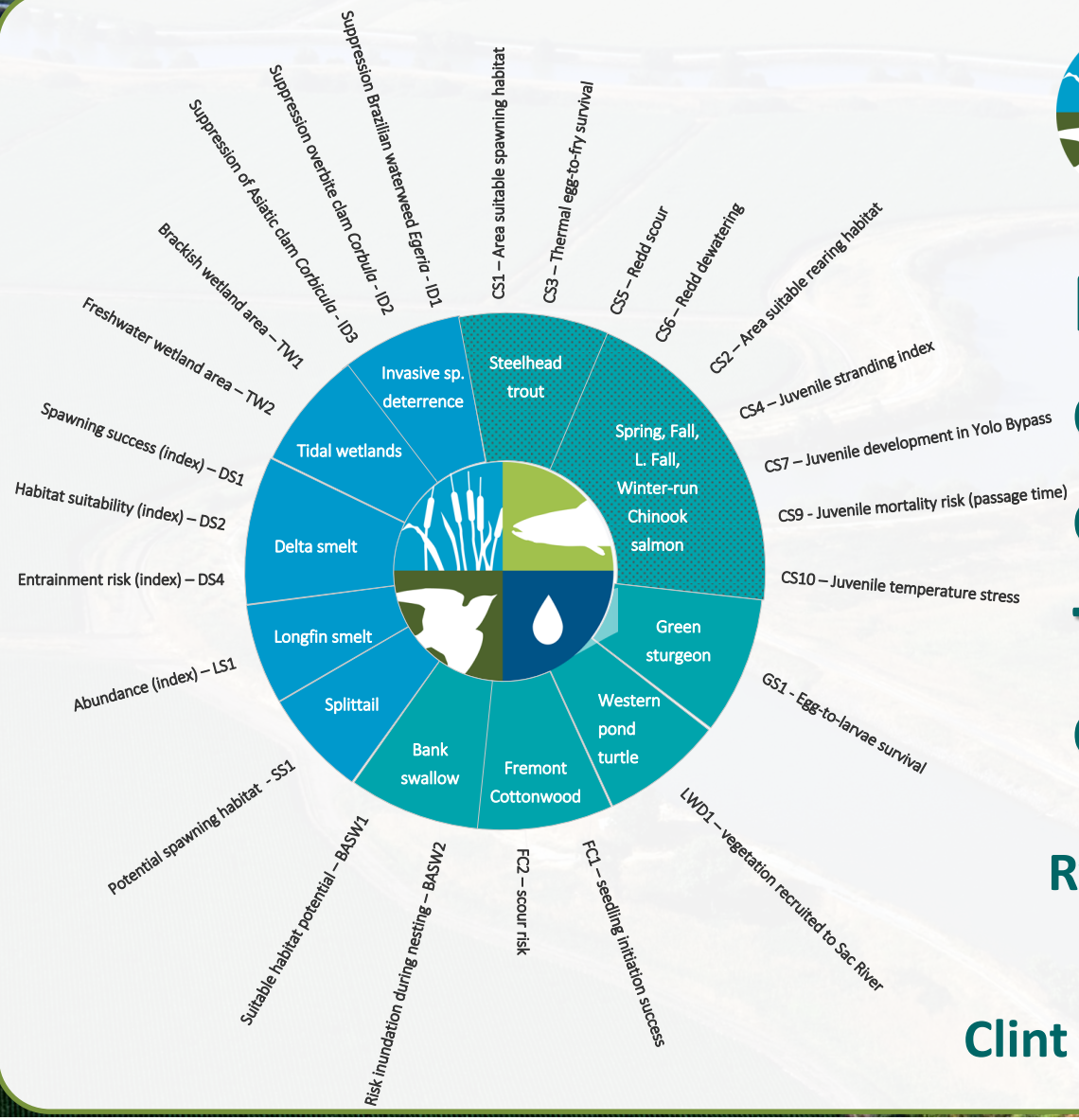
NSF



EFT
Ecological Flows Tool

© The Nature Conservancy

Multi-species ecological flow optimization using flexible ecosystem objectives

Ryan Luster

The Nature Conservancy
Protecting nature. Preserving life.™

Clint Alexander

ESSA | 35 YEARS

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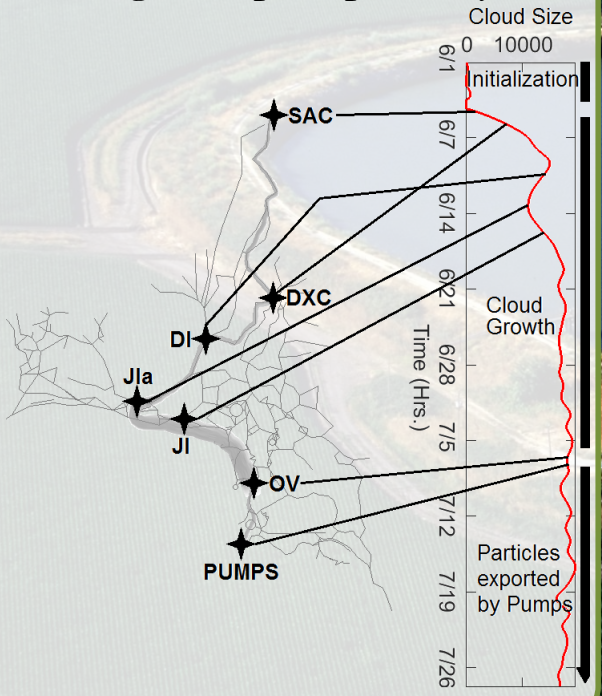
Workshop on Integrated Environmental Modeling of Estuarine Systems
Davis, California, May 21-23, 2015

Investigation of Massive Dispersion in the Sacramento – San Joaquin Delta due to Junctions

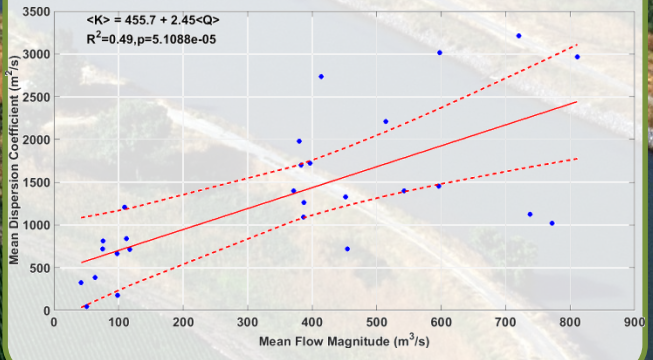
Vamsi Krishna Sridharan

EFML Environmental Fluid Mechanics Laboratory
Leland Stanford Junior University

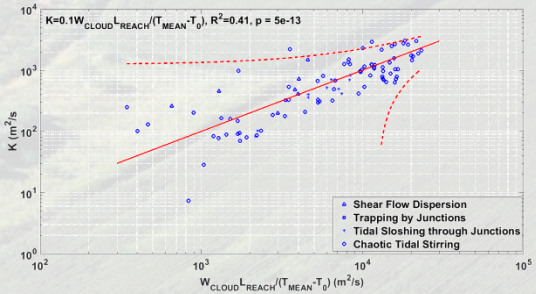
- DSM – 2 HYDRO and F – PTM dispersion study along transport pathways

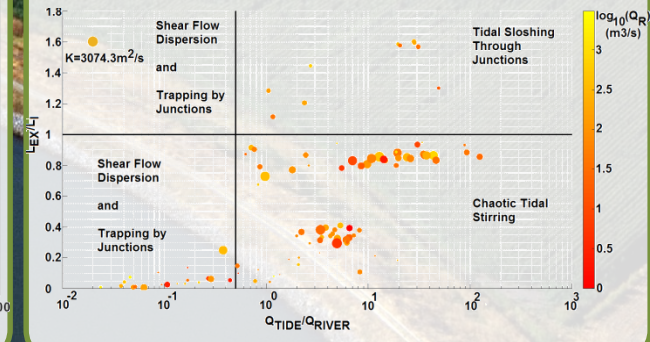


- Dispersion correlates reasonably with River flow
- Large variability in results indicates spatial variability along pathways
- Different dispersion mechanisms exist



- Dispersion scales with cloud size and mean advective velocity of cloud





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