

# Managed Relocation Under a Changing Climate: An Interdisciplinary Perspective Symposium – December 4, 2017, UC Davis

[https://cmsi.ucdavis.edu/events/interdisciplinary\\_persp\\_translocations\\_symposium\\_dec42017/index.html](https://cmsi.ucdavis.edu/events/interdisciplinary_persp_translocations_symposium_dec42017/index.html)

WATCH ALL THE SPEAKER VIDEOS HERE: [http://ats.ucdavis.edu/ats-video/?kpid=0\\_1fqf4n3g](http://ats.ucdavis.edu/ats-video/?kpid=0_1fqf4n3g)

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Connie Barlow's recommendations for Torreya Guardian volunteers to watch (with timecodes to go to precise sections of each pertinent video):

CMSI Welcome - Marissa Baskett 7:50 thru 12:00

Mark Schwartz 00 thru 1:30 *Torreya taxifolia* including Torreya Guardians. Early history of the issue; whole video useful.

David Kling (Oregon State U) - Forestry economics. How private foresters don't need to engage in public decision-making; they can do whatever they want and have different motivations.

Holly Doremus: quick overview of legal, some on ethics. (7:30 timecode - short mention of Torreya)

Jeffrey Single - 8:50 thru 13:21 = the "Big Questions" portion of his talk

Marko Spasojevic 4:12 Torreya quick mention. Must watch! The only case study experiment, performed on Serpentine rock endangered plants moving from S-facing to N-facing and upslope. Confirms that these species were already "left behind" in less suitable habitat: so best higher upslope on N-facing. Watch whole video: 18:30 total

Marissa Baskett - Synthesis Perspective - Adaptive management - learning by doing 12 minutes + 30 minutes of breakout group synopsis below (whole video very useful):

Marine: Start with: What would happen in the absence of a managed relocation project? What would you lose? Then the Q: what would be the measurable outcomes of success? Need for experimentation. 19:00 great example: Corals in Red Sea already are heat adapted: do we move them everywhere to keep coral reefs going?

19:50 Estuarine - Big question: Trying to prevent extinction or are you trying to contribute to recovery (species specific). For ecosystems: Are you trying to facilitate resilience in the recipient ecosystem as climate change or are you trying to help a species move? [CB says Redwoods: both]

24:20 Freshwater systems - moving southern genotypes into northward historic range of same species. Importance of engaging stakeholders.

30:00 Terrestrial (Mark Schwartz summarizes) - Golden nugget of group, problems likely to get worse. Different organisms require different decision models. How can we be efficient in info gathering? "Thresholds and triggers": How do we decide when to act? "information flux" - how keep learning during a long-term project, not just learning before acting. Need common data repositories to easily look back on to assess project ongoing.

34:40 open mic Need criteria in advance that will tell you if successful.