



Environmental Movements

David R. Zeller Jr., PhD

Visiting Instructor
University of South Florida

davidzeller@usf.edu

Controversial Environmental Technologies

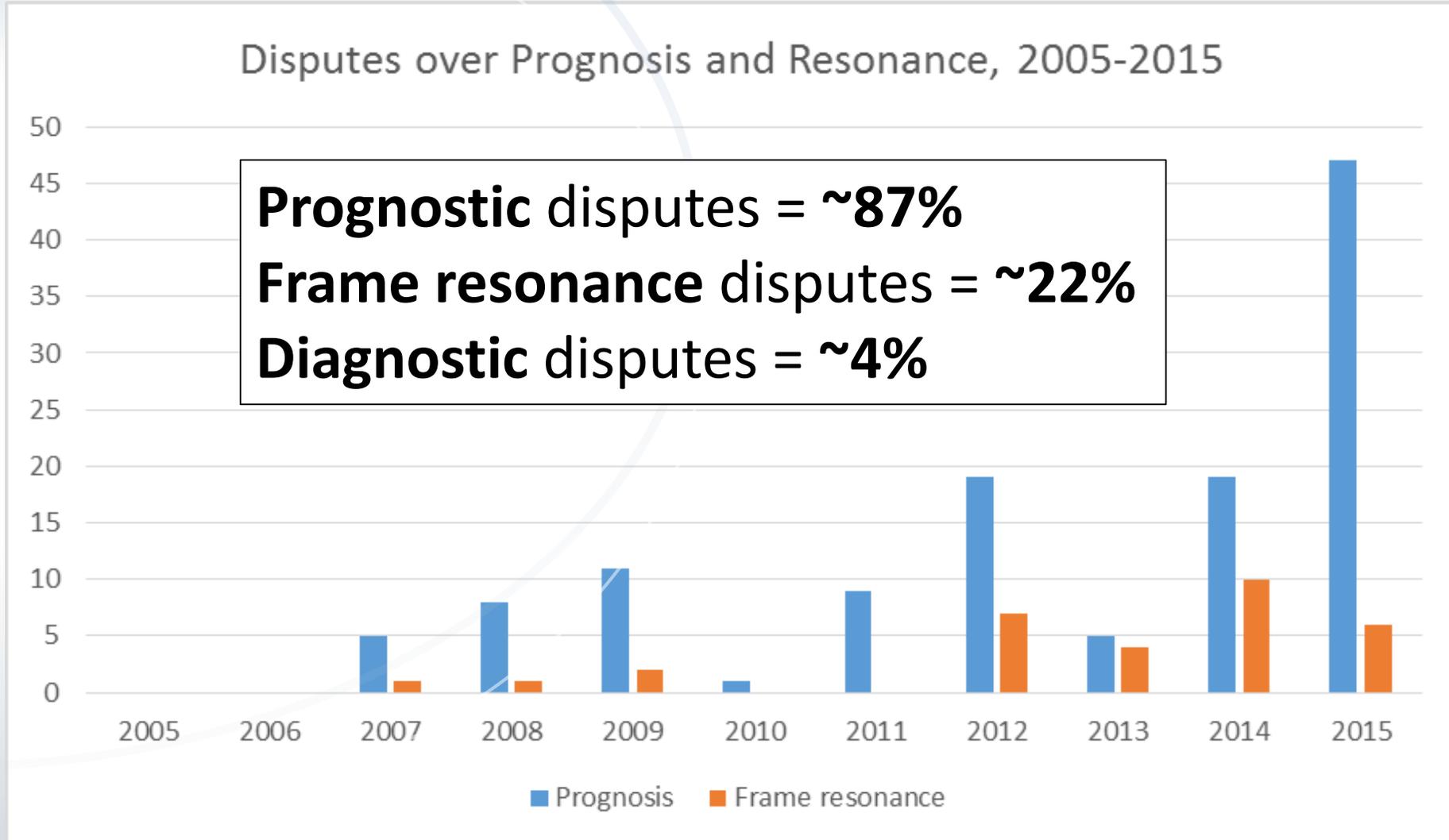
[**Geoengineering:**] “The controversial idea that we can fix the problems of climate change by directly engineering the earth’s systems to cool it. Examples would include building a sun shade in space to block solar radiation, pumping sulfur dioxide into the atmosphere to reflect sunlight, and fertilizing giant plankton blooms to absorb CO₂.”

[Sierra Club, Sept. 2012; Definition of geoengineering from “eco-vocabulary quiz”]

Environmental Movements



Key Findings: Disputes by Type



Key Findings: Prognostic Frame Disputes

Dangerous (scary, risky, uncertain) / Distraction

“Greenpeace views ‘geoengineering’ projects [...] as, at best, a dangerous distraction from the real solutions to climate change--renewable energy like wind and solar. At worst, geoengineering could represent another global catastrophe on the order of climate change itself. There's no technology that will magically fix for [sic] this problem for us.”

[Greenpeace USA, May 2013; film review]

Inevitable (tipping points) / Necessary

“...we need to understand what intervention options exist and the implications of deploying them. In other words, ignorance is our enemy.”

[Environmental Defense Fund, Oct 2013; blog post]

What About Tampa Bay?

Building Coalitions

- Bridging
- Amplification
- Extension
- Transformation



Greenpeace International,
January 2011; blog post

What About Tampa Bay?



Crews Cleaned Up Downtown Tampa Ahead of Women's Final Four

By Spectrum News Staff | Tampa
PUBLISHED 9:41 AM EDT Mar. 31, 2019 | UPDATED 2:06 PM ET Mar. 31, 2019
SHARE [f](#) [t](#) [r](#) [v](#) [i](#) [e](#) [s](#)

TAMPA, Fla. — The Tampa Bay Local Organizing Committee tipped off the

ENVIRONMENT South Florida divers set Guinness record for cleanup





Thanks!

David R. Zeller Jr., PhD

Visiting Instructor

University of South Florida

davidzeller@usf.edu