



Welcome to the Annex IV Expert Forum on

Potential Risks to Larvae and Plankton from Tidal Turbines

- The Forum will begin shortly
- Introductions
- Participants will then be muted until the discussion
- Please hold your questions and/or comments until the discussion
- You may IM questions or comments for the discussion
- Please IM if you are having technical difficulties with Skype

August 11th 2016



Annex IV Expert Forum

Potential Risks to Larvae and Plankton from Tidal Turbines

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Speakers

- ▶ Andrea Copping, PNNL and Annex IV
 - Opening remarks, context

- ▶ Raeanne Miller, Scottish Association for Marine Sciences (SAMS)
 - Background on the topic

- ▶ Brian Sanderson, Acadia Centre for Estuarine Research
 - Physics of turbines and pressure effects; scale issues

- ▶ Brady Quinn, University of New Brunswick
 - Considering risk to lobster larvae in the Bay of Fundy

- ▶ David Schlezinger, University of Massachusetts - Dartmouth
 - Field study of in-stream turbine effects on zooplankton



Themes running through this Forum

1. What do we know about the risk to larvae (lobster, fish) and zooplankton from tidal turbines?
2. How does this risk scale from small to large scale tidal developments?
3. With what level of certainty can we evaluate this risk?
4. What can be done to reduce the uncertainty? Can we address this risk?
5. What research and monitoring needs to be done to address this risk?

Thank you!

- ▶ Recordings of the presentation and discussion will be posted on Tethys at:

<http://tethys.pnnl.gov/expert-forums-marine-renewable-energy>

- ▶ For more information or ideas for future forums, please contact:

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