



Welcome to the Annex IV Expert Forum on

Monitoring around Tidal and Wave Arrays

- The Forum will begin shortly
- Introductions
- This forum is expected to be very interactive, please provide your experience and thoughts
- Please IM if you are having technical difficulties with Skype

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Monitoring around Tidal and Wave Arrays

Context:

- ▶ We have limited monitoring of animal interactions around single devices and even less around arrays.
- ▶ The only examples of tidal array monitoring are the limited acoustic monitoring around the five small turbines at the RITE project (New York, Verdant turbines), and soon to be revealed monitoring around the MeyGen turbines (Scotland). There have been no wave arrays to monitor to date.

Questions

- ▶ From what we know about animal interactions around single turbines, do we believe that monitoring around a single turbine in an array will provide sufficient insight into how animals will act around arrays?
- ▶ The approach to monitoring around arrays will depend on the scale of the array: several tidal or wave machines, or many many. How can we distinguish strategies for each scale?
- ▶ What do we know about likely scenarios for development?:
 - Slow ramp up over time
 - Likelihood of very large arrays being consented and installed at once

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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