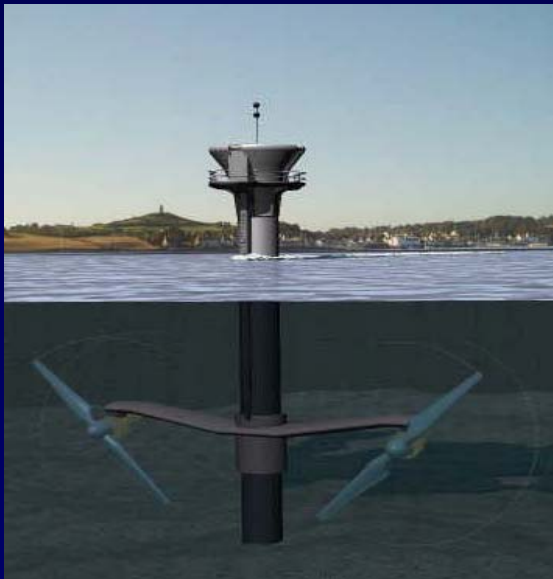


Working Together to Get it Right – Marine Renewables and the Environment

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“Global Marine Renewable Energy Conference”

New York City, NY

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The Setting

- **The nation's energy needs demand a diverse portfolio**
- **Ocean renewables could be a viable component**
- **Collaboration offers rare opportunity**
- **NOAA is positioning itself to help**



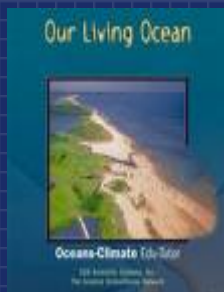
NOAA's General Approach

- Established agency-wide teams
- Reaching out to others
- Increased focus on ocean/riverine energy sectors
- Evaluating roles and trends
 - *Existing knowledge*
 - *Critical gaps*
 - *New environments/challenges*
- Factoring implications of changing climate



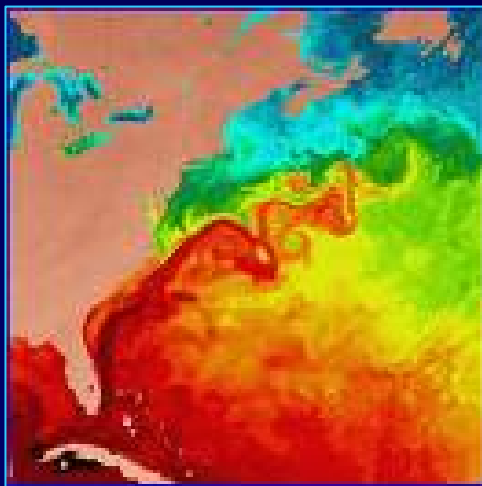
NOAA Assets

- Historical expertise on the “resource”
- Vital knowledge of living resources and habitat
- Experience in regulating marine activities



Challenges from Monitoring Pilot and Commercial Facilities

- Much experience from robust ocean sampling programs
- Regulatory programs provide insights and challenges
- Speculation dilutes contributions



Suggestions

- **Collaborate** – analyze available data, establish priorities, address needs
- **Direction** – develop policy, guidance, business plans, etc. to decrease unknowns and improve efficiency
- **Adapt** – develop plans for likely outcomes
- **Pace** – realistic expectations for sector and individual projects

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