AOOSM – Panel: Achieving an Interagency Arctic Observing System

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(1) What are the key Arctic science objectives of your agency?
(2) What observations does your agency support to help meet your key science objectives?
(3) How do you envision your agency’s role in an interagency Arctic observing network?

Today’s discussion to provide thoughts & insights on: How to better coordinate, link and leverage observations across agencies and programs
Arctic system science, strategy & tactics –

Key points for sustained observations

(1) Observations for research (Arctic system science)

(2) Observations for assessing & long-term planning (strategy)

(3) Observations for operations & real-time decision-making (tactics)

• **By design, missions & mandates of agencies typically do not overlap**

• **However, likely common interests with respect to scope & locations of sustained observations, data processing & management, modeling & forecasting**
Potential elements of a joint coordination & leveraging approach

1. Identifying common interests in observational data
2. Develop framework for defining, prioritizing and parsing of observation activities
3. Coordinate to delineate roles and responsibilities, increasing efficiency and impacts
4. Add value to individual observations through systems perspective, optimizing investments
5. Develop protocol for updating of sustained observation network
6. Data standards to advance interoperability for data exchange integration
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Background material & resources:

- IARPC, US Arctic Research Commission, Polar Research Board, SEARCH documents:  
  www.arcus.org/search-program/meetings/2015/aoosm/background-resources

- AON & SEARCH documents:  
  www.arcus.org/search-program/aon/products
Discussion

1. What are low-hanging fruit?
2. How to improve communication across different agency cultures? TEON as example?
3. Role of IARPC, IARPC Collaboration Teams and Arctic Executive Steering Committee
4. What do operational agencies need from the academic scientific research community to advance common goals?
5. How to best coordinate internationally?