

# 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

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- (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

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- (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/aosm/background-resources](http://www.arcus.org/search-program/meetings/2015/aosm/background-resources)
- AON & SEARCH documents:  
[www.arcus.org/search-program/aon/products](http://www.arcus.org/search-program/aon/products)

# Discussion

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- (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?