

# 4.1 Defining the Solution Space

Chairs: Valeriy Kryukov, Russian  
Academy of Sciences

Sharman Haley, University of Alaska  
Anchorage

# SoA Organizers' Questions for Plenary Discussion and Synthesis

- A few highlight findings or points raised in this session
- Key gaps in understanding or areas for future research identified in the session
- Common themes or overarching issues identified across disciplines that can guide synthesis and integration
- Any specific comments or input for a potential conference statement\*

\* an example of a conference statement can be found at:

<http://www.oceanobs09.net/statement/index.php>

# Policy and Social Dialog

- Inuit Knowledge Center brokers information and training between Inuit Knowledge, western scientists and policy makers
- A social indicator system identifies key issues and supports policy response
- Decisions are complex: policy makers need expertise provided by science

# Data Management

- How to make information, data accessible by decision makers and public
- Data management and storage is a critical issue; who will maintain it long term?
- Important to integrate local data in pan-arctic data bases

# Areas for Future Research

- Standardize data collection protocols to produce comparable measures across jurisdictions
- Which indicators are most important? Ask local population what are the key limiting factors for their quality of life.
- Many of the important quality of life dimensions are not quantifiable

# Themes for synthesis and integration

- Cooperation is ascendant across states, industry, scientists and Arctic people
- Forms of cooperation are changing

# Input for conference statement

- Complexity and rapid dynamics call for more collaboration, cooperation and information exchange
- Indigenous, local and scientific knowledge are complementary and new institutional forms are needed to share and integrate this knowledge.
- Standardize data collection protocols to produce comparable measures across jurisdictions