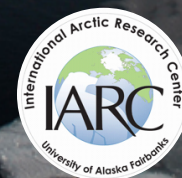
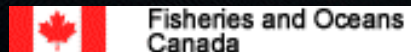


ART-APECS Workshop 2012



IOPAN, Sopot, Poland
23-26 October 2012



ART-APECS Science Workshop

Overcoming challenges of observation to model integration in marine ecosystem response to sea ice transitions

- **International**
- **Pluridisciplinary**
- **Transgenerational**
- **Integrated multi-approaches on Arctic hydrosphere, atmosphere, cryosphere and lithosphere**
- **Fully organized by Early Career Scientists and ECS focused scientific meeting**

Main Objective:

- To integrate modelling and observations in order to identify linkages and feedbacks between atmosphere-ice-ocean forcings and biogeochemical processes that are key to ecosystem function, land-ocean interactions and to the productive capacity of the past, present and future Arctic Ocean.
- **In simpler words: to look at the Arctic Ocean's Life Support System within an integrated framework**
- **Workshop was planned as a common ground upon which new and 'rich' ideas could emerge because of the diversity of the participants**



ART-APECS Science Workshop

23-26.10.2012 Sopot, Poland

Structure

- 64 participants from 13 countries, including Europe, Russia, Canada and USA
- 19 PhD students, 29 Early Career Scientists, 14 Senior Scientists: early careers, mid- to late-careers integrating various disciplines, different ways of 'thinking'
- 8 training sessions on theoretical and practical aspects of marine sciences:
 - geological, hydrographical, biological and ecological consequences of sea ice decline
 - paleo-, food web and physic and biological coupling modelling
 - human dimensions (communication skills and policy aspects of the changing cryosphere)
- 12 plenary talks
- 2 poster sessions with 35 posters presented
- Break-out sessions: discussions and initiation of the writing of collaborative papers within 6 Sub Themes



Next steps:

ART Special issue



**Submission time-window:
1st April – 1st October 2013
(TBC)**

- Different type of papers; peer-reviewed; published as soon as accepted:
 1. Synthesis / review papers
 2. Standard research papers
 3. Educational-type papers
- As far: 6 papers planned from the sub themes discussions and 4 original papers proposed by ECS
- Coordination through ART EC
- Confirm the process with Polar Research
- Revise the list of manuscripts and look for more if needed
- Confirm a submission time-window
- Monitor the progression over the next months

Next ART Science Workshop

ART-APECS Workshop 2012

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ART
Arctic in Rapid Transition