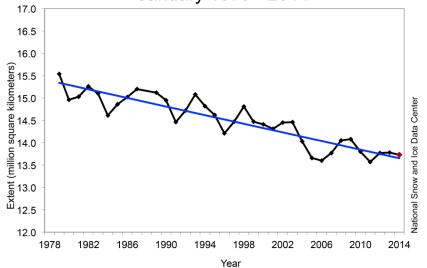
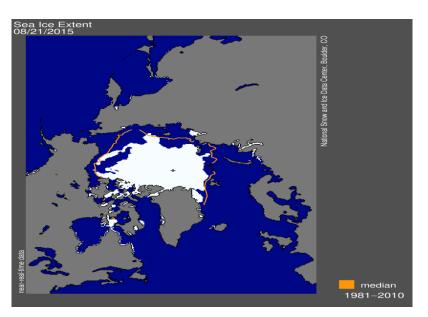


Master course, Malta, 2015

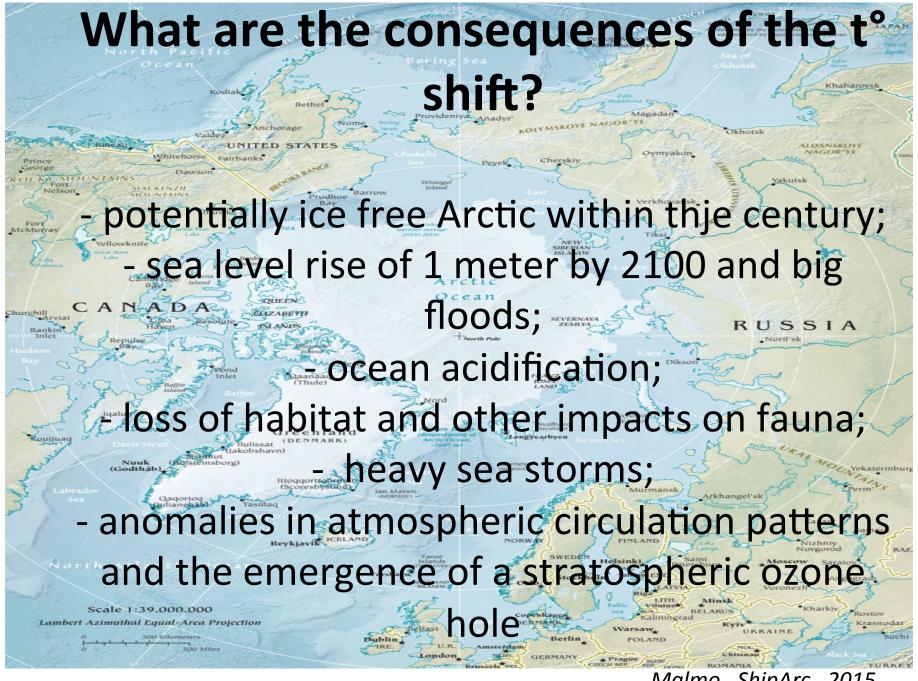
Average Monthly Arctic Sea Ice Extent January 1979 - 2014



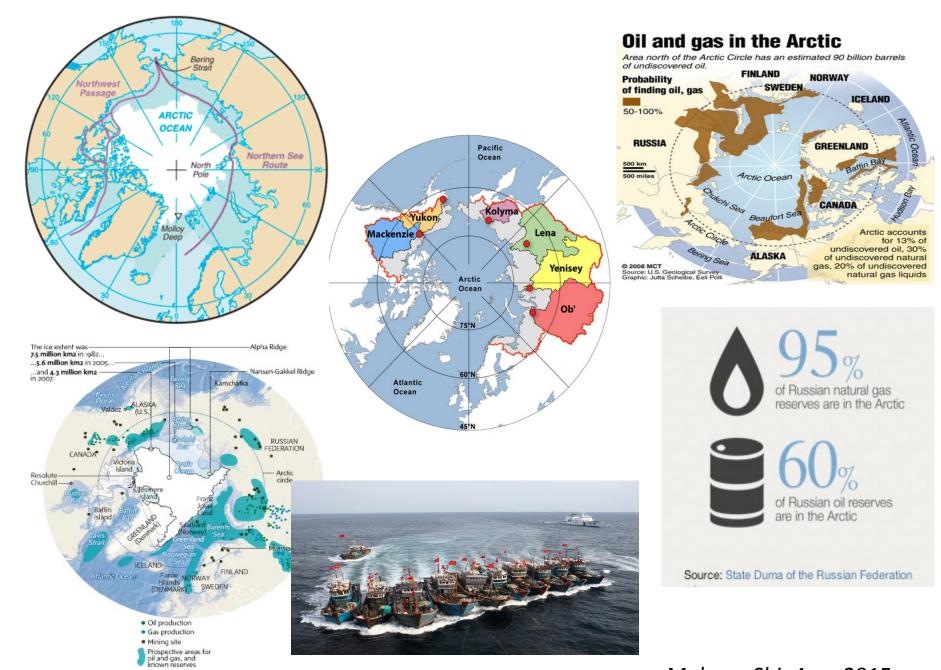




Malmo, ShipArc, 2015

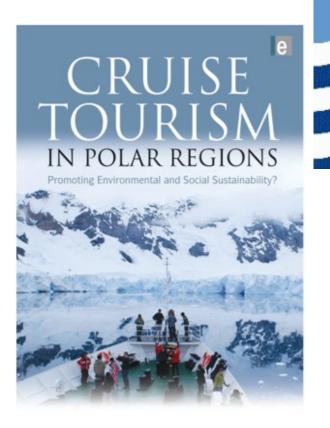






Malmo, ShipArc, 2015

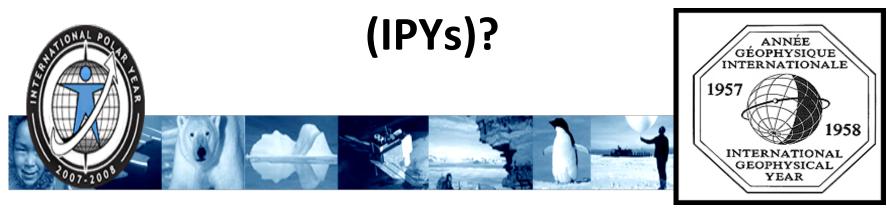






Malmo, ShipArc, 2015

What are the International Polar Years



- IPYs are large scientific initiatives with a history that spans more than a century.
- It is a year or so during which many nations
 coordinate their polar expeditions, observations and
 analyses.
- It is a collaborative international effort of researching the polar regions.



First International Polar Year (IPY) 1882 - 1883

The First International Polar Year

12 Expeditions to the Arctic;



14 Met.stations operated around the N.Pole;

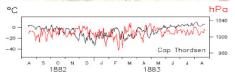
Operations of the IPY-1 were at extreme













Malmo, ShipArc, 2015

IPY-2 1932-1933

Goal-gain knowledge

of practical application to problems connected with terrestrial magnetism, marine and aerial navigation, weather forecasting and wireless telegraphy.

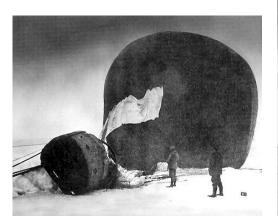
44 Nations;

40 observations and analyses centers partiipated in data

collection



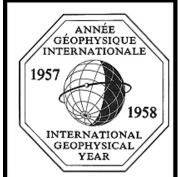






Malmo, ShipArc, 2015

IPY-3 (ICSU and WMO) – IGY

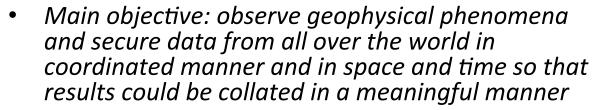






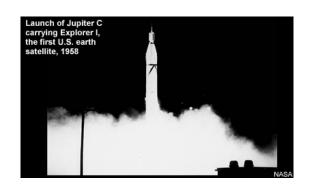
67 Nations; 164 Activities;

ЕОФИЗИЧЕСКІ



 Discoveries in the fields of cosmic ray research, climatology, oceanography, the nature of the earth's atmosphere and magnetic field.











Malmo, ShipArc, 2015



IPY-4 (ICSU and WMO) III,2007-III,2009

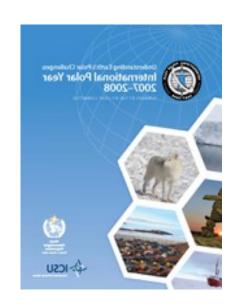






 Goal – explore new frontiers in polar science, improve our understanding of the pivotal role of the polar regions in global processes, and educate the public about polar regions.

 60 Nations; 50,000 Scientists; over 200 Projects.



IPPI (WMO,ICSU,UNEP,IOC,Arctic Council, others 2016-...

Goal – based on polar research and observations, and service development provide a platform for an efficient and economic way of the Arctic Development.

5 Main areas have been identified for planning and implementation: observing systems, data management, scientific cooperation, capacity development and polar communities.

IPPI Planning Stage

Steering Group:

Representatives of almost 20 GO and NGOs; Involvement of scientists of different disciplines.

Principles:

Be firmly in the family of existing scientific programmes; Sharing and accessibility to collected data is a priority need;

Agreed upon data exchange policy.

IPPI Planning Stage (continued)

Identified obstacles/limits IPPI can encounter: political sensitivity; legal problems related to making observations and

legal problems related to making observations and data exchange;

need to simplify procedures for moving samples, equipment and people across the borders with national jurisdiction;

lack of necessary funding;

shortage of trained personnel;

lack of awareness.

Aims of the IPPI concept paper:

- identify strategy and ways for a long-term cooperative international polar initiative;
- provide a clear understanding of the reasons for scientists and industries to participate and support IPPI;
- encourage social and economic development and regulatory improvements;
- help Arctic peoples to be adapted to climate change challenges;
- ensure that sensitive ecosystems are protected for future generations



Latest WMO and IOC decisions relevant to IPPI (May-June 2015)



 WMO endorsed its « participation in the further development of the IPPI concept. »

Resolution 6.5/1 of the WMO 17 Congress

 IOC encouraged the IPPI Interagency Steering Group « to develop a clear framework of the partnership, acting in close coordination and consultation and respecting the interests and obligations of the consultative parties to the Antarctic Treaty and similar interests of the Members of the Arctic Council. »

Decision 10,3 of the 28th Session of the IOC Assembly

THANK YOU, MERCI, GRACIAS, СПАСИБО, DANKE SCHON, OBRIGADO

