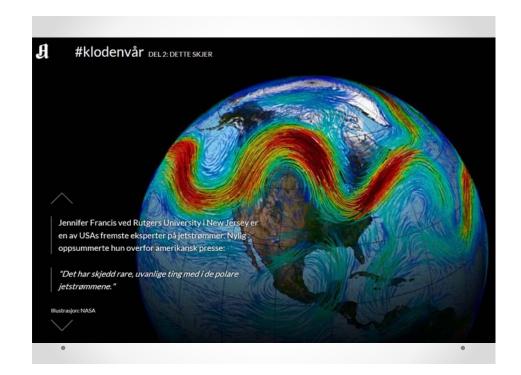
The role of Science, Technology and Innovation in the Arctic and the necessity of international cooperation

Susan Barr President, International Arctic Science Committee (IASC)







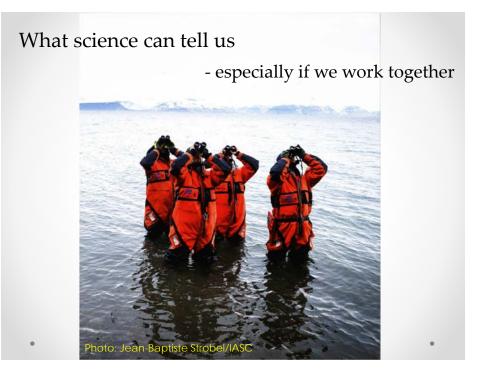


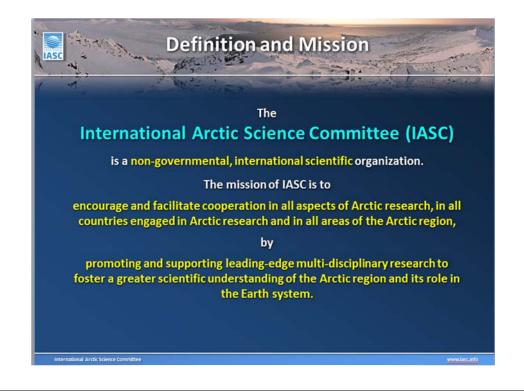
Extreme weather phenomena



Photo: Hans O. Torgersen/Aftenposten www.whoi.edu Gazprom, Russia/www.oilrig-

Norwegian Coastguard









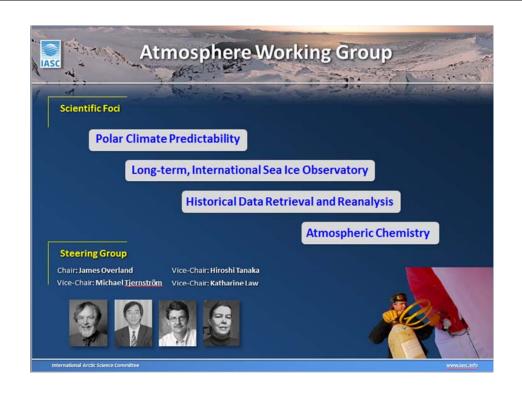


Japan and IASC

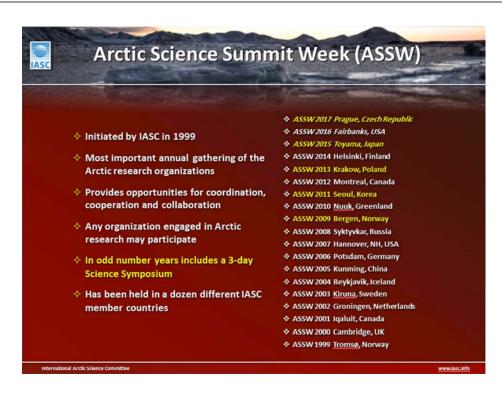
- Represented by the Science Council of Japan, National Institute for Polar Research (NiPR)
- Japan was in the first group of non-Arctic countries to join IASC (1991 – Takao Hoshiai)
- Current Council Member: Tetsuo Ohata
- Working Group board members
 - o Terrestrial: Atsuko Sugimoto, Takayuki Nakatsubo
 - o Marine: Koji Shimada, Hajime Yamaguchi
 - o Cryosphere: Hiroyuki Enomoto, Shin Sugiyama
 - o Atmosphere: Jun Inoue, Hiroshi Tanaka (Vice Chair)
 - o Social and Human: Hiroki Takakura
 - WG Secretariat assistance Tetsuo Sueyoshi, NiPR (Cryosphere)



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Arctic Council Science Cooperation Task Force

Working towards a legally binding Agreement on scientific cooperation among the 8 Arctic States

IASC will follow the development closely to ensure that a possible legally binding agreement is beneficial not only for the 8, but also for all IASC member countries

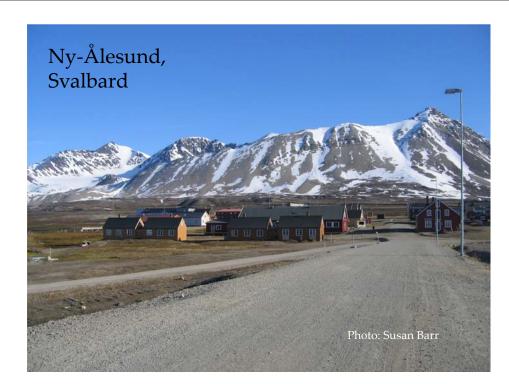
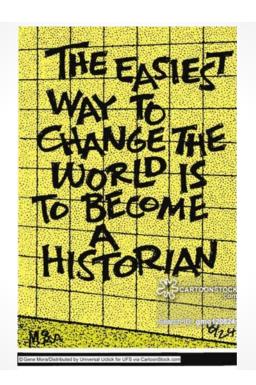


Photo: NiPR webside

NiPR station Ny-Ålesund, Svalbard, Norway

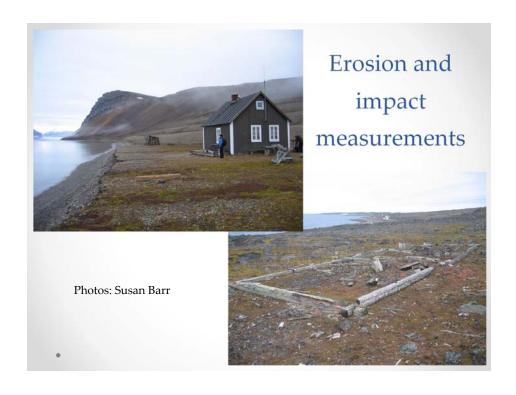






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3D scanning of Fort Conger, Canada Peter Dawson, Univ. of Calgary







Japan and Arctic Social Sciences and Humanities

- Paleosiberian language studies
- Anthropological Alaska and Canadian Arctic
- Anthropology, History and Archaeology in Arctic Russia
- Eurasian Arctic adaptation and climate change
- Economic development along the Northern Sea Route
- Studies of the Legal Regime of the Arctic Ocean
- Studies of International Relations ini the Arctic
- Hokkaido University northern Russian universities joint studies for developing young professionals
- Japan Society of Siberian Studies founded Jan. 2015
- Japan Consortium for Arctic Environmental Research (JCAR), including social sciences



Photo: IASC

oto. IASC