The European Union is inextricably linked to the Arctic region... On the whole, Arctic challenges and opportunities will have significant repercussions on the life of European citizens for generations to come. It is imperative for the European Union to address them in a coordinated and systematic manner, in cooperation with Arctic states, territories and other stakeholders.  

| OBJECTIVES |

- To provide an opportunity for experts from ESA Member States to exchange information and ideas on possible space systems (earth observation and remote sensing, communications and navigation) which can address the challenges in the Arctic in the future.
- To bring together policy makers and scientists for a multidisciplinary discussion on the environmental security challenges affecting the Arctic region - environment, climate change and the sustainable use of natural resources.

| PARTICIPANTS |

The workshop was attended by experts from ESA Member States and Co-operating States, experts of the Arctic region, Members of the European Parliament, representatives of the European Commission. In total 45 people attended the workshop.

A short summary of the workshop will be made publicly available after the event.

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09:30-10:00  Registration and Welcome Coffee
10:00-11:00  Session 1: Opening and Introduction

Welcome and Introduction by the Co-Chairs: Isabelle DUVAUX-BECHON, Head of Future and Strategic Studies, Director General’s Policy Office, European Space Agency (ESA) and Wouter VEENING, Chairman / President, Institute for Environmental Security (IES)

“Challenges in the Arctic – as seen from the Arctic”
✔ Gunnar SAND, Director, University Centre in Svalbard, Norway
“Overview of the Environmental Security Issues in the Arctic Region”
✔ Paul Arthur BERKMAN, Ph.D. Head, Arctic Ocean Geopolitics Programme, Scott Polar Research Institute, University of Cambridge

Discussion

11:00-11:30  Coffee Break

11:30-13:00  Session 2: Understanding and Monitoring Governing Processes in the Arctic: Environment and Climate Change Issues

Moderator: Stephen BRIGGS, Head, Science & Applications Department, ESA
Panellists:
✔ Bo ANDERSEN, Chairman, Norwegian Polar Research Committee / Director, Norwegian Space Centre

Experts from ESA Member States:
✔ Helmut ROTT, Professor, University of Innsbruck
✔ Rene FORSBERG, State Geodesist, National Space Institute, Technical University of Denmark
✔ Abhay DEVASTHALE, Research Scientist, Swedish Meteorological and Hydrological Institute (SMHI)
✔ Anette BARTSCH, Vienna University of Technology

✔ Sandra CAVALIERI, Fellow / Coordinator Arctic & Coordinator Transatlantic Programme, Ecologic Institute

Discussion

13:00-14:00  Lunch Break
14:00-14:15  Information on the EP Report on “A Sustainable EU Policy for the High North”
✔ Stewart ARNOLD, Policy & Communications Adviser, Office of Diana Wallis, MEP, Vice President of the European Parliament

14:15-15:30  Session 3: Service and Infrastructure Needs to support increased Human Activity in the Arctic: Hydrocarbons, Fisheries, Transport, and Tourism

Moderator: Isabelle DUVAUX-BÉCHON, Head of Future and Strategic Studies, Director General's Policy Office, ESA
Panellists:
"What is at stake in the Arctic Region?"
✔ Jean-Pierre CONTZEN, President, St Petersburg Remote Sensing Centre

Experts from ESA Member States:
✔ Bastien DUFOUR, Counsellor for Space Affairs, Canadian Embassy in France
✔ Charlotte Wiin HAVSTEEN, Danish Maritime Safety Division/ Member, Danish Space Council
✔ Kjersti MOLDEKLEV, Senior Adviser, Norwegian Space Centre
✔ Iain SHEPPERD, DG Maritime Affairs and Fisheries, European Commission

Discussion

15:30-16:00  Session 4: Recommendations and Closing
Summary of the key Ideas and Recommendations by the Co-chairs and Moderators
Closing Remarks

MORE INFORMATION