

Monday 02. November 2020

Opening of AASCO Meeting & Keynotes

Chair Hanna Lappalainen, INAR, University of Helsinki, Finland

14:00 CET President Tarja Halonen
Chair of the University of Helsinki Board, Finland

14:15 HSH Prince Albert II of Monaco
Video address

14:30 President of UArctic Lars Kullerud
UArctic (University of Arctic), GRID-Arendal, Norway

14:45 Secretary General of WMO Professor Petteri Taalas
World Meteorological Organization (WMO), Switzerland

15:00 Academician Markku Kulmala
Director of INAR, University of Helsinki, Finland



MONACO
14:00

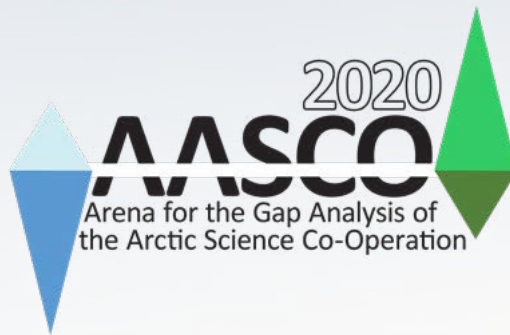
WASHINGTON
08:00

HELSINKI
15:00

MOSCOW
16:00

BEIJING
21:00





Monday 02. November 2020

15:15_{CET} SESSION I: Key large-scale research questions in the Arctic context

Chair **Timo Vihma**, Finnish Meteorological Institute, Finland

15:20 Ocean physics

Cecilie Mauritzen, Norwegian Meteorological Institute, Norway

15:30 Greenland ice sheet

Angelika Humbert, Alfred Wegener Institute (AWI), Germany

15:40 Terrestrial flux into Arctic ocean by large Siberian rivers

Nikolay Kasimov, Sergey Chalov, Moscow State University (MSU), Russia

15:50 SHORT BREAK

Chair **Lise-Lotte Sorensen**, Aarhus University, Denmark

16:00 Permafrost impacts and feedbacks in a warming climate

Torben Christensen, Aarhus University, Denmark

16:10 Terrestrial ecosystems

Jaana Bäck, INAR, University of Helsinki, Finland

16:20 Digital twins for boosting polar science

Peter Bauer, European Centre for Medium-Range Weather Forecasts (ECMWF), UK

16:30 Discussion

16:45 **Wrap up of the day, Markku Kulmala**, INAR, University of Helsinki

17:00 End of day



MONACO
15:15

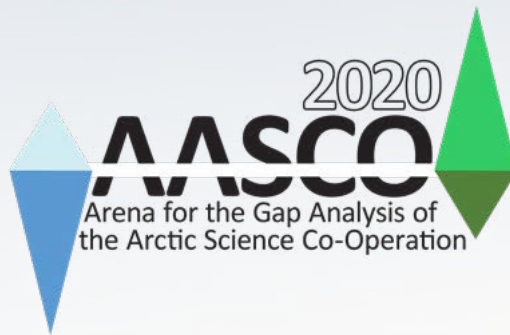
WASHINGTON
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MOSCOW
17:15

BEIJING
22:15





Tuesday 03. November 2020

14:00 CET SESSION II: Large-scale Arctic research frameworks

*Chair **Jan Rene Larsen**, Arctic Monitoring and Assessment Programme (AMAP) Secretariat, Sustaining Arctic Observing Networks (SAON) Secretariat, Norway*

14:05 DBAR remote sensing

Huadong Guo, Institute of Remote Sensing and Digital Earth;
Chinese Academy of Sciences (RADI, CAS), China

14:15 A Roadmap for sustainable Arctic observing and data systems in support of shared value

Sandy Starkweather, National Oceanic and Atmospheric Administration (NOAA), USA

14:25 Big, Open and FAIR Data in Arctic Studies

Alexei D. Gvishiani, Geophysical Center of Russian Academy of Sciences, Russia

14:35 Cooperation across disciplines – the new European Polar Research Programme

Nicole Biebow, Alfred-Wegener-Institute, Germany

14:45 Discussion

15:00 SHORT BREAK



MONACO
14:00

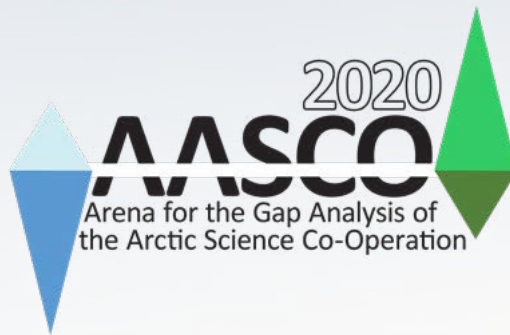
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Tuesday 03.November 2020

15:10^{CET} SESSION III: Arctic research infrastructures & future perspectives for integrated observations

Chair **Stein Sandven**, Nansen Environmental and Remote Sensing Center (NERSC), Norway

15:15 Integrated observation platforms SIOS

Heikki Lihavainen, Svalbard Integrated Arctic Earth Observing System (SIOS), Norway

15:25 Integrated observation platforms SMEAR

Tuukka Petäjä, INAR, University of Helsinki, Finland

15:35 Discussion

15:50^{CET} SESSION IV: Policy frameworks in the Arctic context

Co-Chair **Alexander Baklanov**, WMO, Switzerland and

Co-Chair **Gerlis Fugmann**, International Arctic Science Committee Executive Secretary

15:55 Arctic Science Agreement

Paul Berkman, Tufts University, USA

16:05 Climate change in the human dimension

Sergej Zilitinkevich, FMI, Finland

16:15 Discussion



MONACO
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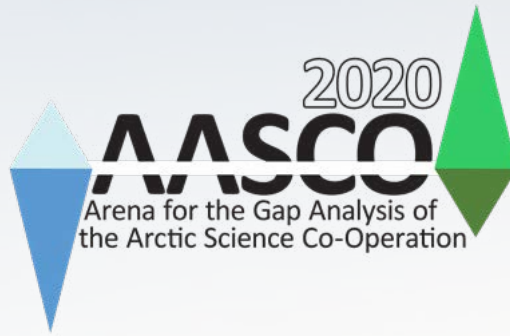
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Tuesday 03.November 2020

16:20_{CET} Concluding remarks & continuation of the AASCO Arena process

Chair **Markku Kulmala**, INAR, University of Helsinki, Finland

16:20 Summary of the sessions and discussions by the chairs

16:20 **SESSION I:** Key large-scale research questions in the Arctic context

16:25 **SESSION II:** Arctic Research infrastructures & current data availability

16:30 **SESSION III:** Arctic research infrastructures & future perspectives
for integrated observations

16:35 **SESSION IV:** Policy frameworks in the Arctic context

16:40 AASCO White paper

16:55 Welcome to AASCO 2021 in Helsinki

17:00 End of the Meeting

	MONACO 16:20	WASHINGTON 10:20	HELSINKI 17:20	MOSCOW 18:20	BEIJING 23:20
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