NORDISK HYDROLOGISK FORENING

Nordic Association for Hydrology

Minutes of the NHF board meeting on SKYPE, 10 October 2018

Present: Board members – Sofie G. W. van't Veen (Denmark), Elve Lode and Jaanus Terasmaa (Estonia), Líga Klints (Latvia), Diana Meilutyte-Lukauskiene (Lithuania), Kolbjørn Engeland (Norway), Linus Zhang (Sweden)

Iceland: Morgane Priet-Maheo for Tinna Þórarinsdóttir

Not present: representative from Finland

HR-editor – Chong-Yu Xu (Norway)

1.–3. Opening, organization and approval of the meeting agenda

Linus Zhang opened the meeting at 11.00. Linus Zhang was appointed as the Chair and Elve Lode as the Secretary. The minutes will be scrutinized jointly. The meeting participants are given five days to comment on the minutes, before they are published on the website. The suggested agenda was approved.

The only point of Agenda was related to program development of NHC2020 in Tallinn, Estonia. The most important matter on the agenda was to finalize formulation of both the sub-topic themes and descriptions for the NHC2020. The common understanding from the association is that the sub-topics should be wide enough so that everybody who works with hydrology in a Nordic or Baltic country should feel welcomed to present their work at the conference.

4. Meeting costs for this meeting

None for this meeting.

5. Nordic Hydrological Conference (NHC2020)

Basis for the meeting discussions was the pptx presentation, which was previously sent out to all Board members of NHF (see Annex 1). During the meeting all items, i.e. title of the conference and the sub-teams, content of the sub-teams and description of those were discussed. Results of meeting discussions were formulated via electronic lines and they are uploaded for father corrections in Google Drive environment. All Board members are invited to further work with corresponding document in Google Drive NHC2020 folder.

Intermediate stage results from the SKYPE meeting:

Title of the NHC2020:
Hydrology, water-related ecosystem and their services

Main topics of the NHC2020:
I Knowledge gaps between hydrology and ecosystems
II Monitoring and modelling of the hydrological processes and cycle in the current and changing climate
III Hydrological approaches for assessment, management, monitoring, protection and restoration of water-related ecosystem services
IV Hydrology, ecosystem services and climate change - assessment, protection and restoration
V Water policy development: i.e. regulations, databases, statistics, decision-making systems

*Field of interests for members of **scientific committee***
Hydrology and aquatic ecosystems -
Hydrology and agroecosystems -
Hydrology and forest ecosystems -
Hydrology and grassland ecosystems -
Hydrology and terrestrial wetland ecosystems -
Ecosystems hydrology and water purification -
Models and tools for water and ecosystems -
Mitigation of Climate change -
Policy of water and ecosystems -

NB! According to the NHF principles of arranging Nordic Hydrology Conferences the scientific committee should include at least one member from each of the Nordic and Baltic countries. If it is needed board members and additional members from Nordic and Baltic countries could be nominated.
However, **scientific committee** is responsible for deciding on the sub-themes for the conference.

Other items
*Committee members should be named by the **end of October**
*Completion of the document in Google Drive by the Board members should be completed by the **end of October**
*For celebration of **50 year anniversary of NHF,** Conference has one additional day: date and content of additional event should be discussed

6. Other items

No other items.

7. Next board meetings

SKYPE meeting in November 2018.

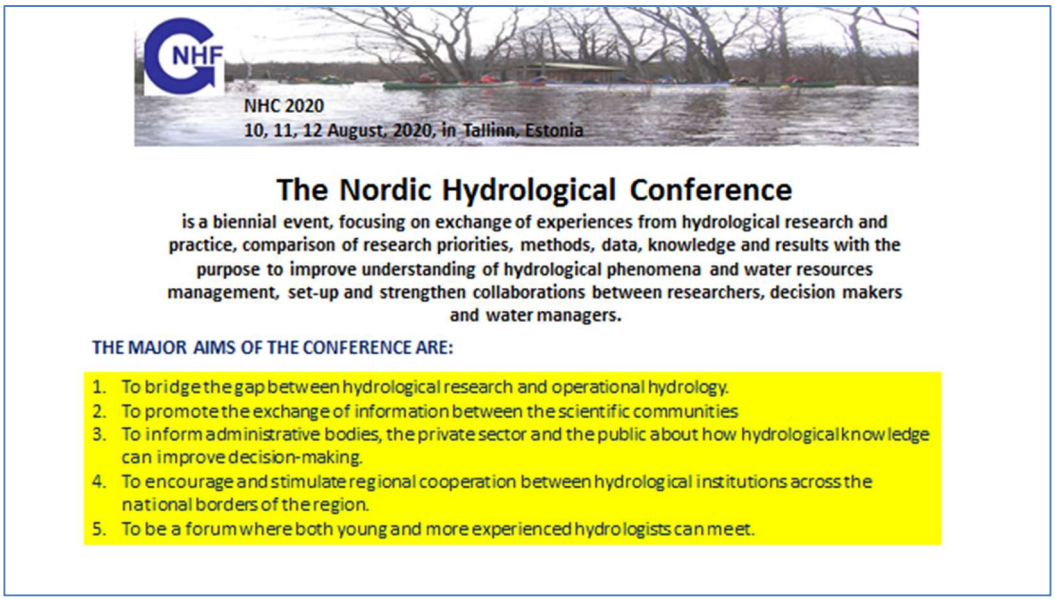
8. Closing of the meeting

Linus Zhang closed the meeting at 12.30.

Linus Zhang Chair	Elve Lode Secretary

Annex 1

Slide 1



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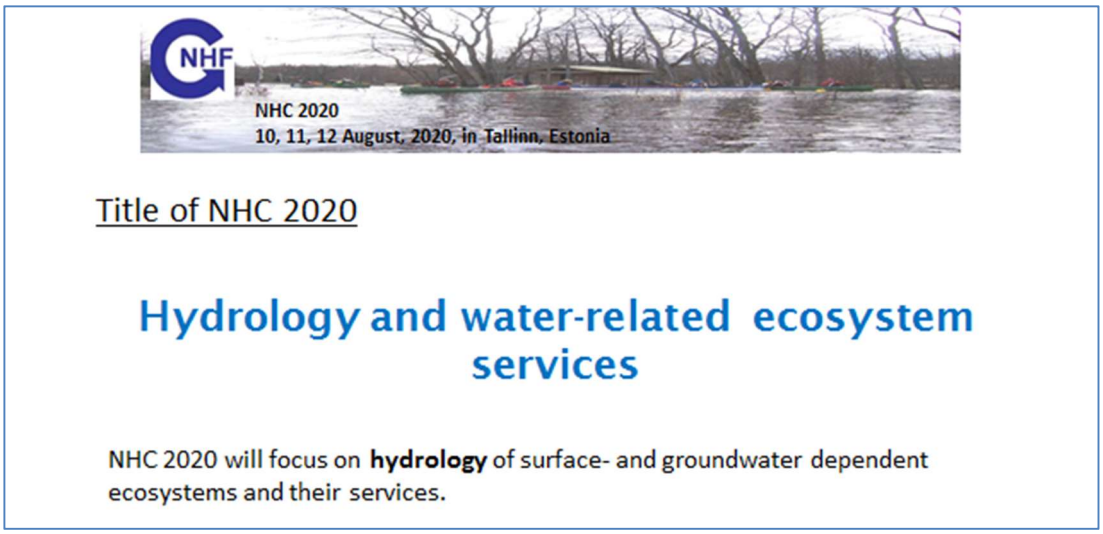

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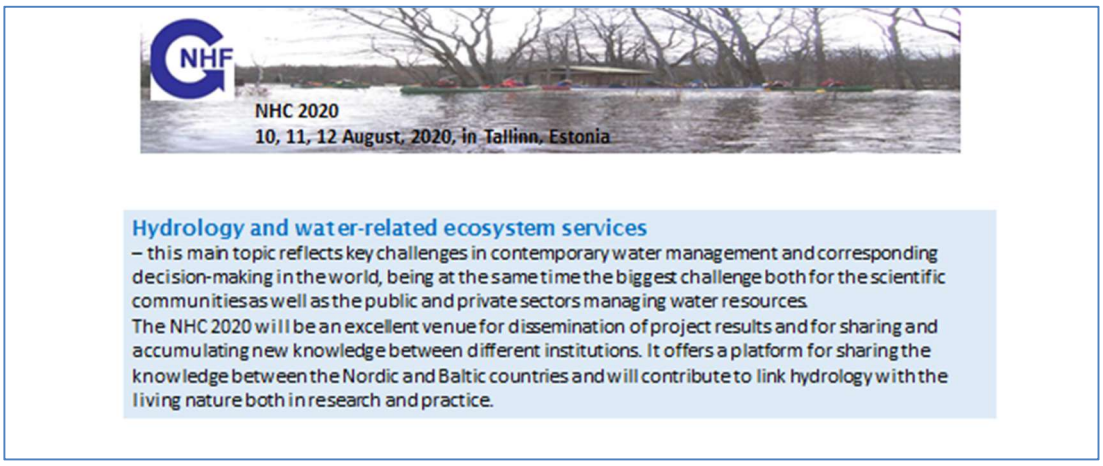

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Scientific committee

Hydrology and aquatic ecosystems - ???
Hydrology and agroecosystems - ???
Hydrology and forest ecosystems - ???
Hydrology and grassland ecosystems - ???
Hydrology and terrestrial wetland ecosystems - ???
Ecosystems hydrology and water purification - ???
Models and tools for water and ecosystems - ???
Mitigation of Climate change - ???
Policy of water and ecosystems - ???

NB! The rule from NHF! Including one member from each of the Nordic and Baltic countries. The scientific committee is responsible for deciding on the sub-themes for the conference.

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THE FOLLOWING SUB-TOPICS ARE IDENTIFIED FOR THIS CONFERENCE:

I Knowledge gaps in the hydrology of different ecosystems: i.e. aquatic ecosystems, agroecosystems, forest ecosystems, grassland and terrestrial wetland ecosystems

Water is a key element in both natural and human-induced ecological systems. This session will address to hydrological knowledge gaps in the field of natural and human-induced ecosystems divided into the:
I.1. Aquatic ecosystems, I.2. Agroecosystems, I..3. Forest ecosystems, I.4 Grassland and I.5 Terrestrial wetland ecosystems.
Expected discussion topics will focus on relationships between water and ecosystem in different spatial and temporal scales. Where are the limits of survival of water-related ecosystems and how they are reflected in quantity or quality of water environment? What are the benefits of those ecosystems?

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II Hydrological approaches for assessment, management, monitoring, protection and restoration of water-related ecosystem services

Expected discussion topic could be related to hydrological and hydro-ecological criterias what should be described and quantified for different ecosystems? What are the methods to assess the ecosystem survival and risk base levels? How assess the current management options? Models and tools of water and water-related ecosystems for assessment, management, protection and restoration? Integrated monitoring systems for water-related ecosystems?

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III Hydrology of water-related ecosystems for human well-being: water purification and detoxification of wastes; climate regulation, mitigation of climate changes and human impact, cultural heritage, education, nature based solutions

This session focuses on human well-being dependent on water and aquatic ecosystems, agroecosystems, forest ecosystems, grassland and terrestrial wetland ecosystems.
Water and water-related ecosystems deliver a wide range of ecosystem services that contribute to human well-being, such as fish and fiber, water supply, water purification and detoxification of wastes, climate regulation through sequestering and releasing a major proportion of fixed carbon in the biosphere, mitigation of climate change via flood regulation and water bodies coastal protection, recreational opportunities, tourism.

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IV Water-related ecosystems and water policy development: i.e. regulations, databases, statistics, decision making systems

Expected discussion topics could be related to the development of operational policy at the regional and district level of land planning, planning of foreshore areas etc. Regulations, databases, statistics, decision making systems which are supporting the integration of water "rainbow" (i.e. blue, green, gray etc water) to the clean water and sustainable ecosystem services of aquatic ecosystems, agroecosystems, forest ecosystems, grassland and terrestrial wetland ecosystems

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Responsible organiser

Institute of Ecology
School of Natural Sciences and Health

NHF 2020 Time Schedule

On Monday: 10.00-18.00
On Tuesday. 9.00-18.00
On Wednesday: 9.00-16.00

+ short courses /workshops for students (modelling, statistics, field methods etc)

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Deadlines:
- The deadline for receipt of abstracts is **5 months** before the conference
- A letter of acceptance should be issued **3 months** before the conference
- A final program should be issued **2 months** before the conference