

# Welcome to the THIRD webinar in the NORDIC WEBINAR SERIES

- Please **rename** yourself with your full name in Zoom – this can be done under *"Participants"*, *"More"* and *"Rename"*
- Check that your **sound** and **video** is working
- All slides will be shared following the webinar

# NORDIC WEBINAR SERIES – THREE WEBINARS

## First webinar – *What happened?*

25 September at 8:00-10:30 am (CEST)

A focus on the **differences and similarities between the five Nordic countries**. How did we handle the societal and organizational changes due to Corona? Differences and similarities between countries in terms of **how our research-, education- and innovation systems (REAIS) worked in a crisis?** How did the scientific environments advise the political decision makers in a crisis?

## Second webinar – *What happens now?*

27 October at 8:30-11:00 am (CEST)

**What will the future international trends bring** that our sector must correspond to? How will Horizon Europe affect us? **Will the relationship between society and our research and educational institutions change** - and how? Moreover, how will these developments affect the values that govern the interactions between society and science?

## Third webinar – *What should we do next?*

18 November at 2:30-5:00 pm (CET)

What systematic and institutional changes do we see ahead of us? **What should we have a sense of urgency about?** How do we cope with the expectations of a clearer societal impact and an increasingly greater expectation of more interaction between research and education? **How can, and should, we change our systems in the future?** How can learning from changes due to Corona help us further?

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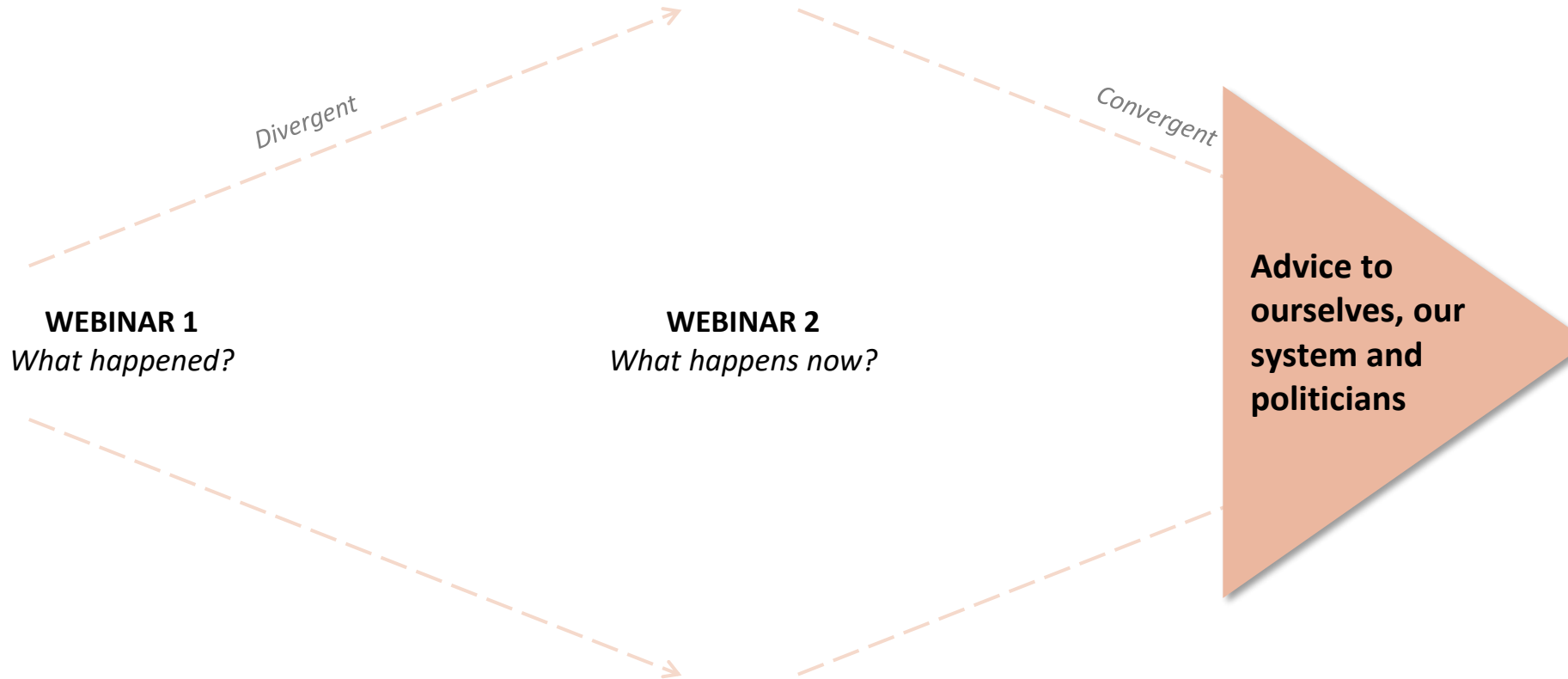
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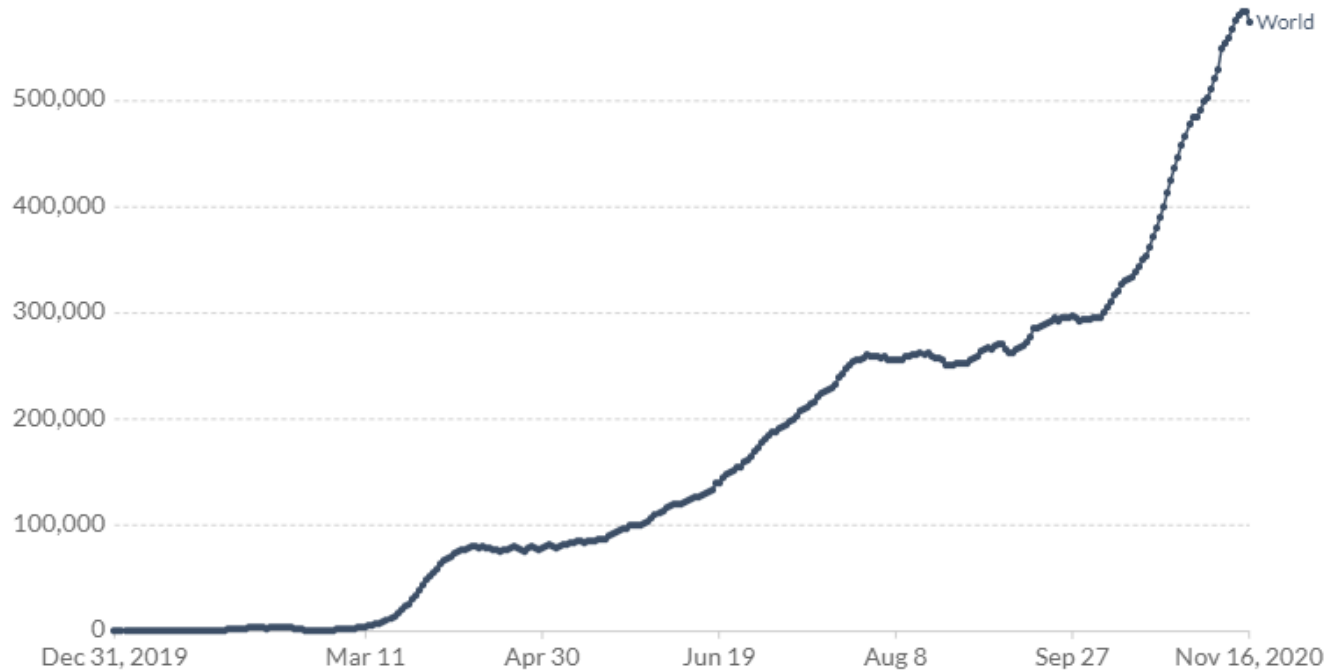
## PROGRAM FOR THE WEBINAR

- 02:30 PM** Welcome and presentation by Gunnar Bovim – *What have we learned so far and what should we do next?*
- 02:45 PM** Facilitated panel discussion
- 03:15 PM** Group discussions I – *What concrete suggestions do we see related to our group topic?*
- 03:45 PM** Break
- 03:50 PM** Group discussions II – *What are the next concrete steps? What advice will we give ourselves, our politicians and nations?*
- 04:25 PM** Brief report from the groups – *The most important points/learnings in plenary*
- 04:55 PM** Conclusions from the webinar by Gunnar

## Process for the webinar series



## DEVELOPMENT IN NEW CORONA CASES – WORLDWIDE

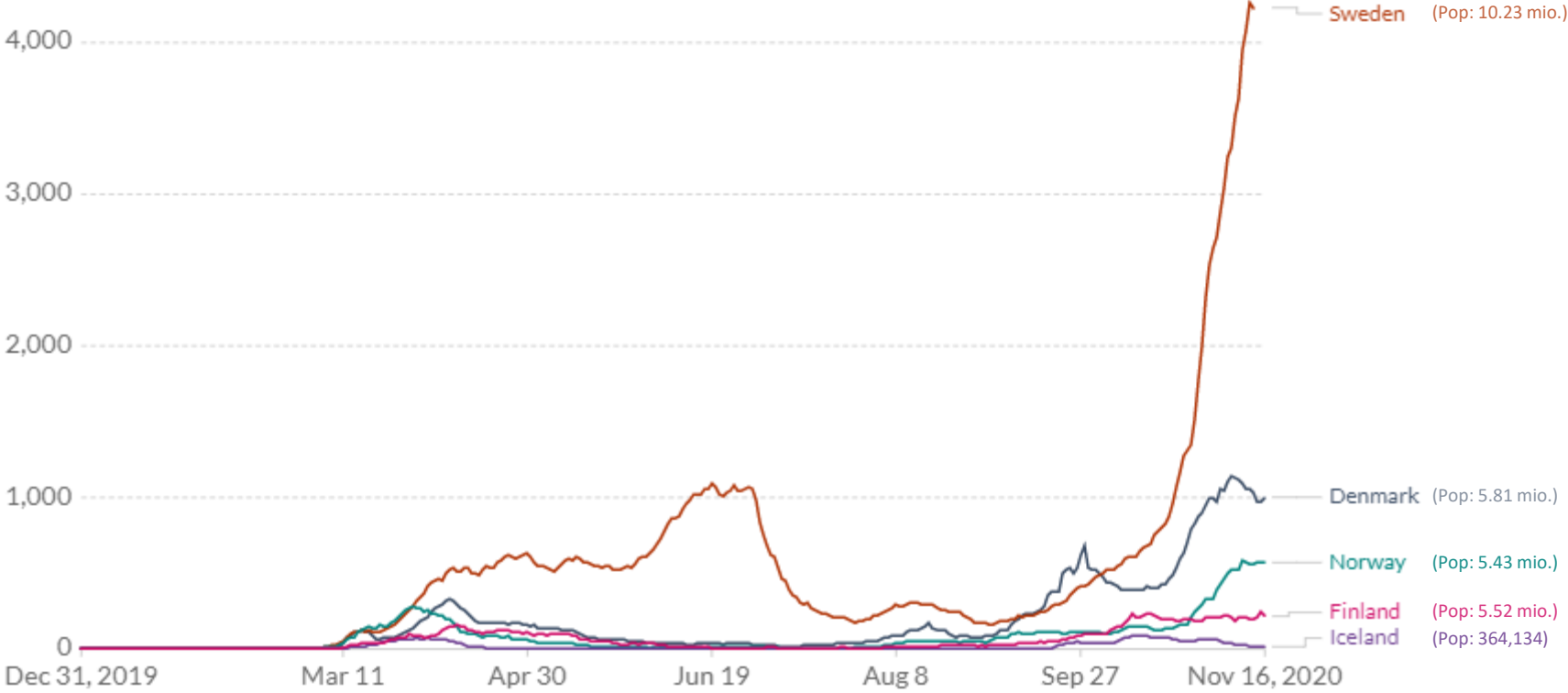


New daily cases registered worldwide – see also [www.ourworldindata.org](http://www.ourworldindata.org)

**Total cases registered worldwide per 17 November: 55,021,938**

**Total deaths registered worldwide per 17 November: 1,327,228**

# TIMELINE – NORDIC COUNTRIES



New daily cases registered – see also [www.ourworldindata.org](http://www.ourworldindata.org)

## LATEST NEWS



*Research-based development  
has succeeded once again!*

# Danish coronavirus vaccine ready for testing on humans

The Statens Serum Institut has run its DNA vaccine CoVAXIX in a position for clinical trials on humans after a public grant of DKK 18.8 million.

Nick Sturm | 11/11/2020

NEWS / Pfizer and BioNTech Announce Vaccine Candidate Against COVID-19 Achieved Success in First Interim Analysis from Phase 3 Study

## PFIZER AND BIONTECH ANNOUNCE VACCINE CANDIDATE AGAINST COVID-19 ACHIEVED SUCCESS IN FIRST INTERIM ANALYSIS FROM PHASE 3 STUDY

Monday, November 09, 2020 - 06:45am

## Moderna: Covid vaccine shows nearly 95% protection

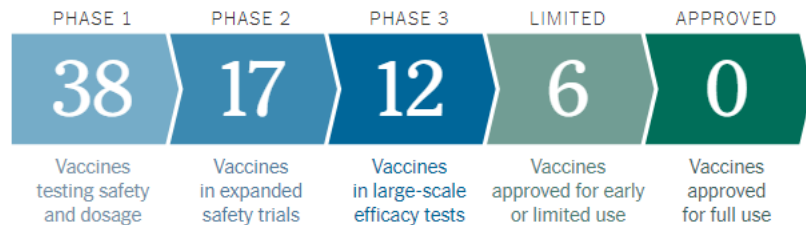
By James Gallagher  
Health and science correspondent

🕒 15 hours ago

Coronavirus pandemic

## Coronavirus Vaccine Tracker

By Jonathan Corum, Sui-Lee Wee and Carl Zimmer Updated November 16, 2020





### Conclusions from group 1: *Transition at the universities*

#### AS-IS situation

- Reacted quickly to Corona
- Education has come into focus
- Online teaching transition has been substantial
- Advising government and society has been an important role
- A new position and role in society

#### TO-BE analysis

- Research based knowledge is a public good that digital education should share fast and free (Nordic model)
- Better at digital life-long learning
- Integrating knowledge across disciplines and national borders
- Make digital education more interactive and integrated with physical presence



### Conclusions from group 2: *The impact agenda*

#### AS-IS situation

- Interest in fact-based decision-making
- The pandemic has shown that science can adapt quickly
- We systematically underestimate the societal changes needed
- The quick mobilization has created an expectation that research and innovation is 'a tap that can be turned on'

#### TO-BE analysis

- Investment in value-based education and research in the Nordic countries
- Improve mission-driven innovation and cooperation driven by the SDGs
- Need for ways to document and measure impact of results, educated people and cooperation



### Conclusions from group 3: *What is the next great challenge, crisis or transition after Covid-19?*

#### AS-IS situation

- Future challenges are hard to determine but they will be interconnected
- We cannot just solve future challenges technically – we need more holistic solutions
- What seems to link the current pandemic crisis, the climate crisis and the migrant crisis is mobility

#### TO-BE analysis

- We must take more risks if we want to be able to deal with future challenges. How can we incentivize risk-taking in academia?
- Research-education connection is needed, but also life-long education
- Open innovation competences needed
- We need brave and bold leadership



## Important points:

- Creating a **Nordic model for digital education** that ensures fast and free distribution of research-based knowledge.
- Existing and new knowledge should be **integrated across** disciplines and national borders.
- Improving and supporting **mission-driven innovation**, which entails cooperation both within and across borders.
- Being able to **measure and document the impact** of the proposed initiatives under the mission-driven agenda.
- Creating an **incentive for taking more risks** in academia to deal with future challenges.
- **Rethinking leadership** to accommodate future challenges across the system.

#### Conclusions from group 4: *Horizon Europe (1) – Working with societal missions*

##### AS-IS situation

- Solving the Covid-crisis is a mission
- There was room for coming up with missions, i.e. the five missions in the HE-program, but we do need to have the curiosity-driven research as well
- Research institutions play an important role in creating a more innovative society

##### TO-BE analysis

- Research and education should be the engine for transformation for societal changes
- We need to empower our young people to be entrepreneurial
- Obligate researchers to interfere more in public debates
- We adapt our systems to be agile

#### Conclusions from group 5: *Horizon Europe (2) – Shifting the balance*

##### AS-IS situation

- Potential for portfolio management for both funding streams
- Researchers show genuine motivation to be relevant and contribute to society (mission orientation)
- Competition between (expanding) research institutions is reducing success rates for applications

##### TO-BE analysis

- Increase 'missions' understanding
- We need to understand and unfold the missions in a cross-Nordic setting
- We need more communication from researchers to sustain public trust
- NordForsk, Nordic Innovation and Nord HORCS have a potential to increase Nordic collaboration

#### Conclusions from group 6: *The current transition in the private sector*

##### AS-IS situation

- Large need for collaboration between businesses, researchers and government
- Companies and nations are increasingly introspective rather than collaborative
- New optimism following disruption
- Companies are more purpose-driven

##### TO-BE analysis

- Promote collaboration. Where should we cooperate and compete on a national and Nordic level?
- Encourage the private and public sector to make scenarios in collaboration
- Initiatives for digitalization and automatization in a Nordic context
- Make the Nordics more coherent

## Important points:

- Empowering young people and putting **research and education in the front seat**, when it comes to societal transformations.
- Adapting our systems to **work in more agile ways**.
- Increasing the general understanding of the mission-orientation and **unfolding the potential** across the Nordic region.
- Encouraging **researchers to communicate more** to get more diverse and nuanced perspectives in the public.
- **Promoting collaboration** between sectors and countries to be able to compete at the Nordic level, and making scenarios together with the public sector (e.g. universities).
- Setting up **explorative initiatives on digitalization** at the Nordic level.

# PRESENTERS



**Anne Borg**, Rector and professor at NTNU

Topic: How can the universities transform and support societal transformation even more through lifelong learning and competence development?



**Jukka Pertola**, Chairman of the Board at Siemens Gamesa A/S

Topic: How do we speed up research-based innovation in EU and the Nordic countries? How do we create the best possible innovation ecosystems?



**Arne Flåøyen**, Director at NordForsk

Topic: What are the strengths of the Nordic region? How can we develop and support even more Nordic collaboration in the future?



**Dag Rune Olsen**, Rector at University of Bergen

Topic: What does the future university look like? How can we collaborate more about research, education and societal transition across the Nordic countries?



**Sven Stafström**, Director General at Swedish Research Council

Topic: How can we create a funding system for research, education and innovation that will support and catalyze the green transition even more?



**Bjørn Taale Sandberg**, SVP and Head of Telenor Research

Topic: How can we use collaboration and co-creation across industries and sectors to solve the biggest problems we are facing now and in the future?



**Frede Blaabjerg**, Chairman of DFIR and professor at Aalborg Uni

Topic: How can we sustain a strong sense of urgency for societal transformation for many years in the future? What does the future of policy advice look like?

*We need more focus on continuing education to develop competences on a broad societal scale. For this purpose, we need a new business model.*

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*The Nordic countries have to collaborate even more, and the countries have to revitalize their collaboration to obtain the same position in the EU system.*

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*Our funding system has to be more flexible when it comes to crisis situations.*

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*We need stronger leadership for our systems to sustain a strong sense of urgency when it comes to the green transition.*

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*We must create stronger common innovation ecosystems around the universities in collaboration with the private companies. These collaborations must also be our positions of strength and clusters facing out to the global world and in to the EU system.*



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*We need more collaboration across disciplines, organizations and countries to solve the biggest problems – now and in the future.*



## PRELIMINARY PROPOSALS FOR NEXT STEPS

1. Preparedness for research collaboration in crisis situations
2. A common Nordic education bank
3. A new funding model for continuing education
4. Bringing the universities' innovation efforts to the next level
5. Common Nordic mobilization regarding Horizon Europe missions
6. Creation of common Nordic brands
7. More common Nordic funding for research, education, and innovation
8. Nordic program for digitalization
9. Nordic leadership development program
10. Strong political anchoring and leadership

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*Please use the "speaker view", which can be found in the upper right corner of your Zoom window*

# GROUPS

## **Group A – Education and competency development**

***Rebekka Borsch (group leader)***

Anders Söderholm

Anne Borg

Vidar L. Haanes

Hanne Leth Andersen

Maria Knutson Wedel

## **Group B – “Emergency” research**

***Sven Stafström (group leader)***

Ingrid Petersson

David Dreyer Lassen

Thomas Sinkjær

Mikkel Vedby Rasmussen

Heikki Mannila

Bram Timmermans

## **Group C – Developing the Nordic system for research-based policy**

***Karin Kjær Madsen (group leader)***

Ilkka Turunen

Pam Fredman

Per Mickwitz

Stine Jørgensen

Petter Aasen

Leena Sarvaranta

## **Group D – Strong systemic leadership for societal transformation**

***Frede Blaabjerg (group leader)***

Lars Christian Lassen

Eva Camerer

Christine Nellemann

Sylvia Schwaag Serger

Helene Fladmark

## **Group E – Improving the Nordic innovation system**

***Håkon Haugli (group leader)***

Bjørn Taale Sandberg

Anders Bjarklev

Svein Berg

Arne Flåøyen

Jan Egebjerg

## **Group F – Social and responsible innovation as a Nordic trademark**

***Dag Rune Olsen (group leader)***

Lidia Borrell-Damian

Tiina Vihma-Purovaara

Bjarne Foss

Nikolaj Malchow-Møller

Anna Karlsson-Bengtsson

Gunnar Bovim

# GROUPS (A-F) – WITH ALLOCATED PROPOSALS (1-10)

## Group A – Education and competency development

2. A common Nordic education bank
3. A new funding model for continuing education.
5. Common Nordic mobilization regarding Horizon Europe missions.
7. More common Nordic funding for research, education, and innovation.

## Group D – Strong systemic leadership for societal transformation

6. Creation of common Nordic brands.
9. Nordic leadership development program.
10. Strong political anchoring and leadership.

## Group B – “Emergency” research

1. Preparedness for research collaboration in crisis situations.
7. More common Nordic funding for research, education, and innovation.
8. Nordic program for digitalization.

## Group E – Improving the Nordic innovation system

4. Bringing the universities’ innovation efforts to the next level.
6. Creation of common Nordic brands.
7. More common Nordic funding for research, education, and innovation.
8. Nordic program for digitalization.

## Group C – Developing the Nordic system for research-based policy

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## Group F – Social and responsible innovation as a Nordic trademark

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**Advice to ourselves, our system and politicians**

- Follow the latest updates on the official website: [www.nordicwebinars.com](http://www.nordicwebinars.com)