

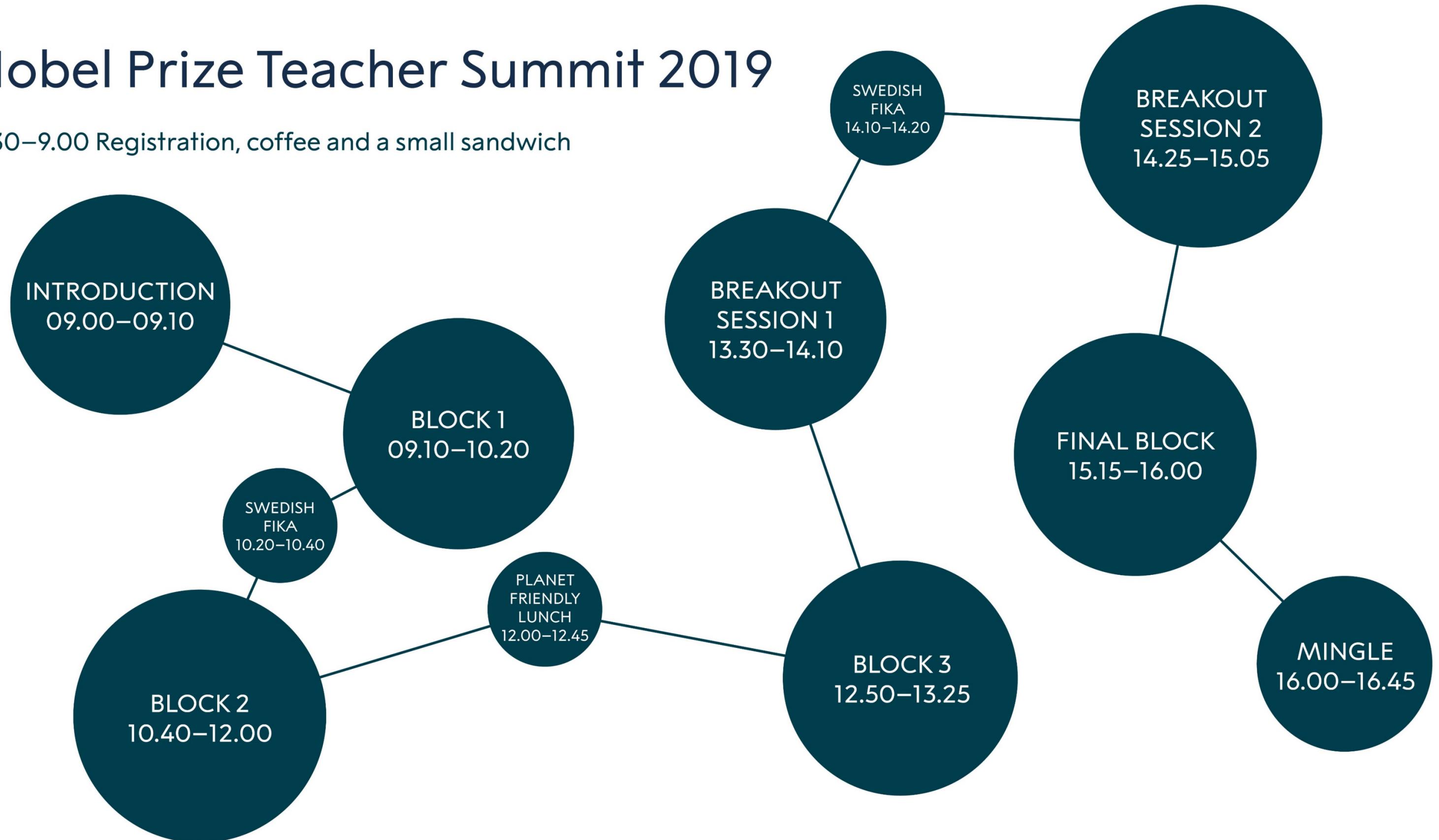
THE  
NOBEL  
PRIZE

# NOBEL PRIZE TEACHER SUMMIT 2019

Summarizing presentation

# Nobel Prize Teacher Summit 2019

8.30–9.00 Registration, coffee and a small sandwich



# Welcome to the Nobel Prize Teacher Summit!

An introduction by the moderators

**Annika Hedàs Falk**  
Head of Nobel Prize Education

**Pontus Thunblad**  
Teacher and Educator at the Nobel Prize Museum



# Teaching a sustainable future

“Either we leave our descendants an endowment of zero poverty, zero fossil-fuel use, and zero biodiversity loss, or we leave them facing a tax bill from Earth that could wipe them out.”

Professor Johan Rockström, an internationally recognised climate scientist, opened the conference with a lecture about the frontline of climate research.





400 teachers  
from 30 different countries  
discussing how to teach about  
climate change.

# Blue light for a green planet

“It's my great honour that many people use blue LEDs or LED lightings now. So, we can contribute to the energy savings for the humans, so I'm very, very happy to contribute to the energy saving issues.

We met Hiroshi Amano, 2014 Nobel Laureate in Physics, for a talk on how the invention of the blue LED-light has contributed to socially sustainable development in parts of the world without a functioning electric grid.

The energy efficient LED-lamp is a clear example of a Nobel Prize that has changed the world “for the benefit of humankind.”



Foto: Alexander Mahmoud

# Teaching in a changing world

What are the challenges of teaching in a world where the conditions for living are changing fast.

**Johan Rockström**

Professor at the Potsdam Institute for Climate Impact Research

**Patricia Mazuera-Johnson**

Teacher at The Trinity School and the Bankstreet College of Education in New York City

**Hiroshi Amano**

2014 Nobel Laureate in Physics

**Annika Hedås-Falk**

Moderator



# Organising activism

“We’re not done yet. The job isn’t done until nuclear weapons are gone”

Beatrice Fihn, the General Secretary of ICAN, who received the 2017 Nobel Peace Prize in Oslo talked about how nuclear weapons are an existential threat to humankind, and yet are not illegal. This is what ICAN struggles to change.

The Nobel Peace Prize was both an acknowledgement of ICAN’s important work and a way to support their future struggle.



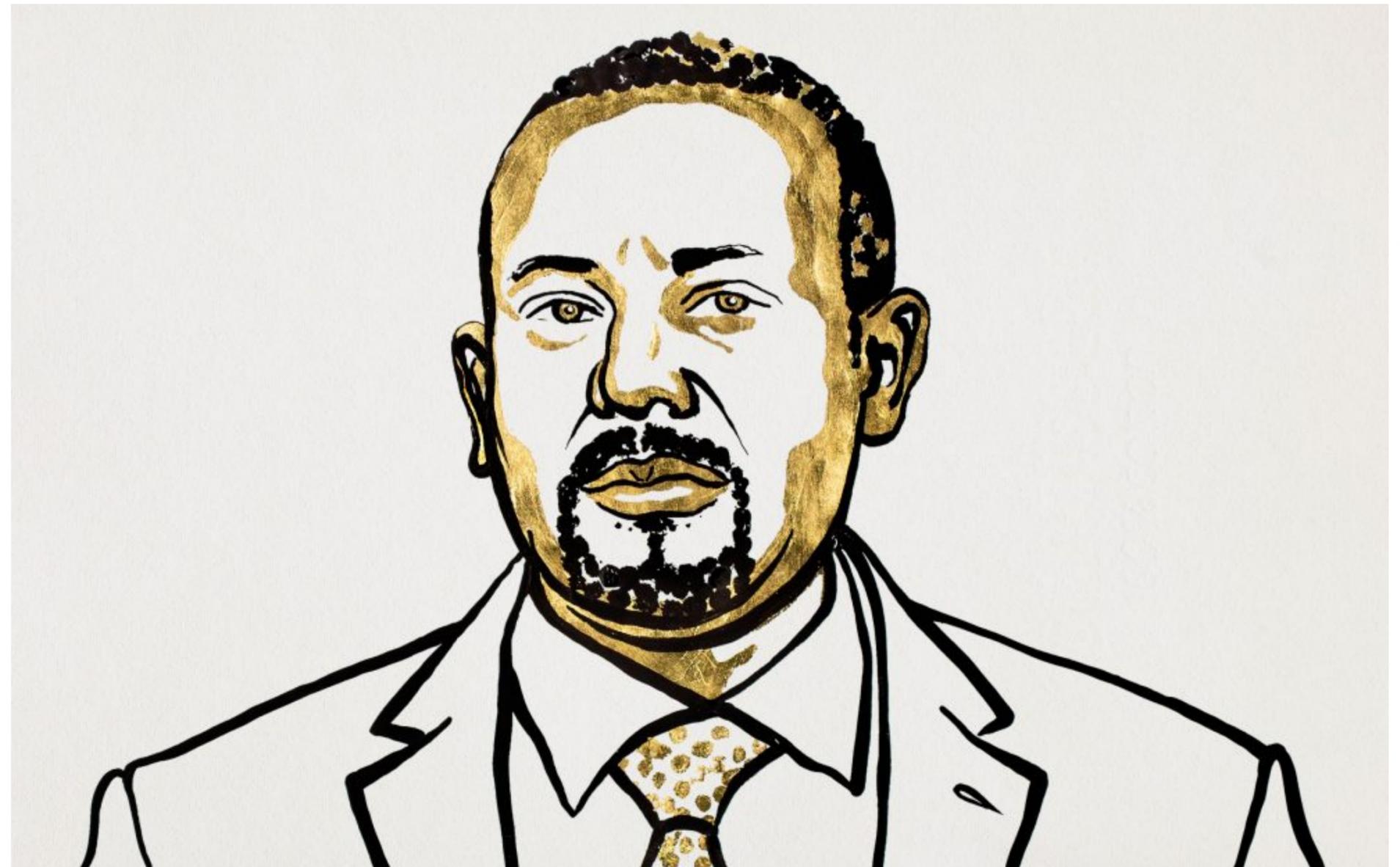
# The 2019 Nobel Peace Prize

Live broadcast from the announcement in Oslo – led by the Nobel Prize Museum's peace experts Gustav Källstrand and Carl-Johan Markstedt.

The 2019 Nobel Peace Prize was awarded to Aiby Ahmed Ali

*"...for his important work to promote reconciliation, solidarity and social justice."*

The prize is also meant to recognise all the stakeholders working for peace and reconciliation in Ethiopia and in the East and Northeast African regions.



Aiby Ahmed Ali

# The keys to transformative change for global sustainability are stories

“Stories can be powerfully emotive – whether comic or tragic – even in the most compressed of forms”

We met Steven Hartman, Professor of English, who talked about storytelling in poetry, novels, art, music and film as a truly revolutionary, transformative potential for building sustainable societies.



# The unchildish child and the future of the planet

The future of our children is a common argument when talking about climate change.

The child becomes the reason to act, but also the one we invest our hope in – the pure, untouched soul that is supposed to act responsibly for the future of the planet.

Malin Ideland, Professor of Educational Science, discussed what it means when children are pointed out as responsible for the future. Do we need to rethink the role of the adult world?



# Joined forces for the earth

Is it possible to bridge the gap between generations, daily politics and countries to build a sustainable future?

**Beatrice Fihn**

General Secretary of ICAN, the 2017 Nobel Peace Prize

**Malin Ideland**

Professor of Educational Science

**Ell Ottosson Jarl and Melda Nahnfelt**

#FridaysForFuture

**Patrick Gallagher**

Teacher, Eriksdalsskolan

**Annika Hedàs Falk**

Moderator



# Our fragile and perishable planet

“I had a hard time really appreciating the mild weather. Instead, I got the feeling of being exposed to something not only unnatural but also unhealthy and basically dangerous.”

Ulf Danielsson, Professor of Theoretical Physics at Uppsala University, talked about how a view of the Earth from a cosmic perspective reveals our origin and helps us realise who we are.

The lecture argued that to handle climate change and survive into the future, we need to know our true place in the universe.



Foto: Alexander Mahmoud

# Explaining the incomprehensible

Climate change is one of many complex problems that we need to teach about. How can we approach the incomprehensible in the classroom?

**Mario J. Molina**  
1995 Nobel Laureate in Chemistry

**Ulf Danielsson**  
Professor of Physics

**Karolina Sandahl**  
The Global School programme

**Annika Hedàs Falk**  
Moderator



Pontus Thunblad  
moderated questions  
from the teachers to  
speakers and panels.



# Breakout sessions 1



## Climate change: Science, policy and education

Mario J. Molina

The consensus among experts is that it is very likely that human activities are causing the observed changes in Earth's climate in recent decades.

Climate change education is fundamental to develop a society that better understands the nature of the problems that affect our planet.

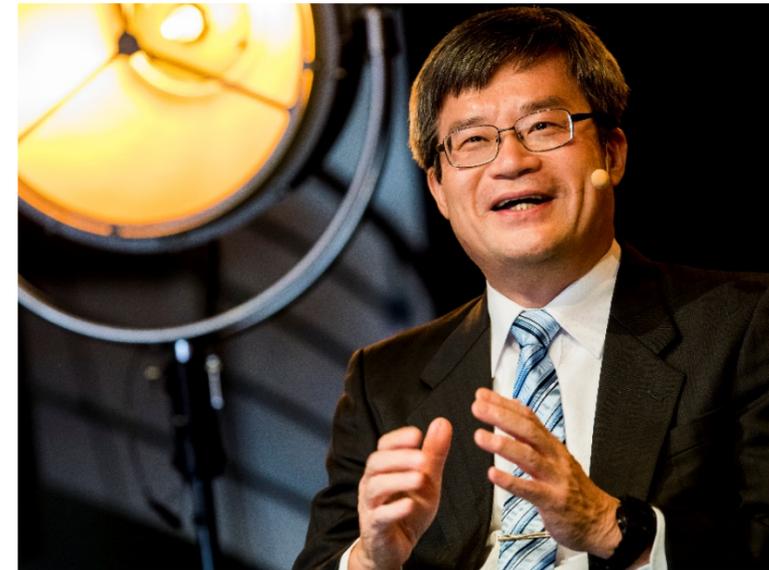


## How activism and organising will save our world

Beatrice Fihn

A discussion about the importance of regular people working together to change policies and behaviour.

Fihn highlighted inspirational victories from social movements around the world and gave practical tips on how to create change based on experience from achieving a treaty prohibiting nuclear weapons.



## En route to realise zero carbon emission

Hiroshi Amano

In this lecture, professor Amano estimated the cost of reducing carbon emissions all over the world, from an engineering standpoint.

Renewable energy-based infrastructure is essential to reduce carbon emissions, although it is not sufficient to realise zero emissions.



## The road to rapid decarbonisation

Johan Rockström

Global warming and the mass extinction of plant and animal species show that humanity has become a global force on the planet.

What will it take to realise sustainable development within the planetary boundaries, and how can we succeed in stabilising the Earth's system in a safe and just operating space for humanity and non-human life?

# Breakout sessions 2



## How do we teach for sustainable development?

Karolina Sandahl and Mathias Demetriades

A workshop about how teaching and education can make problems such as climate change meaningful to young people and how it can contribute to developing action competence.



## Who can save the world?

Malin Ideland

The need for educating children into a sustainable way of being in the world is one of the most urgent tasks for schools of today.

But what comes along with the good intentions to educate for a sustainable society?



## Creativity and the Nobel Prize in your classroom

The Nobel Prize Education team

The Nobel Prize shows that hard work and good ideas really can change the world.

We tried some creativity methods and Nobel Prize resources that you can bring back to your classroom!



## Planting Tomorrows

Andrea Hvistendahl and Ulrika Florin

In the strive to alter the scenario of climate change; artists Andrea Hvistendahl and Ulrika Florin invited us to interact, experience and make imprint in the artistic driven installation Planting Tomorrows, that is built around four nodes, mirroring important systemic aspects.

From a hovering perspective carried by wings, through the clouds, towards our soft globe, and the grounded child.

# How we saved the ozone layer

“Scientists can depict the problems that will affect the environment based on available evidence, but their solution is not the responsibility of scientists, but of society as a whole”

We met Mario J. Molina, 1995 Nobel Laureate in Chemistry, in an interview about how these discoveries in the 1970s led to political decisions and large scale global change.

Thanks to their work, the use of freons has declined, giving the ozone layer the chance to recover. Molina’s story shows that knowledge can lead to political action for the environment. Today, Molina is an outspoken advocate for action against climate change



# Teachers are the key to a sustainable future

“The key to a successful implementation of Agenda 2030 is that the entire community participates.

The school has a central role in spreading knowledge about the global and national goals to the students so that together we can achieve a sustainable and fair future”

Anna Ekström, Sweden’s Minister for Education, joined us to share her view on the importance of teachers.



# Spread the word!

How are you going to spread the knowledge and inspiration from the summit to colleagues at home?

**Nega Wilberforce**

Teacher from Tanzania

**Truong Nguyen Duc**

Teacher from Vietnam

**Emily Wizzo**

Teacher from USA

**Karolina Sandahl**

Teacher from Sweden

**Annika Hedàs Falk**

Moderator





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