

A large, horizontal teal brushstroke with a textured, painterly appearance, slanted slightly upwards from left to right. The stroke is composed of several overlapping layers, creating a sense of movement and depth. The color is a vibrant, slightly desaturated teal.

CLIMATE. NOW

Climate.now – new climate change education material for higher education

ICOS Science conference 29 Sept 2016

www.climatenow.fi

Laura Riuttanen, University of Helsinki laura.riuttanen@helsinki.fi



Content

- Background
- Climate.now material
- Future steps

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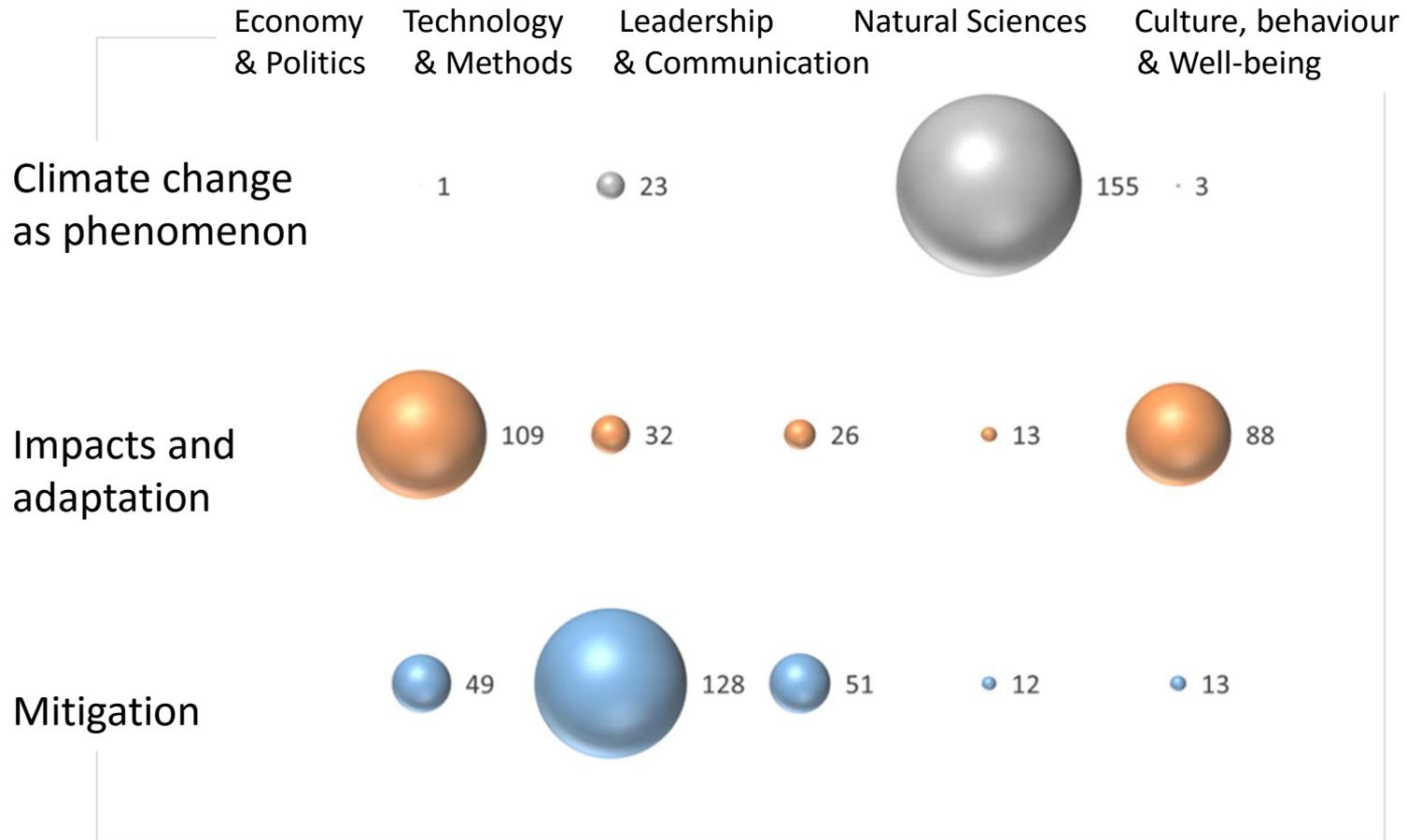


Background

- 10/2014 Universities rectors' meeting
- 11/2015 Finnish Innovation Fund Sitra: survey on climate change education
- 11/2015-11/2016 Climate.now

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Sitra survey on climate change education in Finland



Ilmasto-opetuksen nykytila Suomessa 2015 (in Finnish)

<http://www.sitra.fi/julkaisut/Muut/Ilmastoalan%20koulutuksen%20nykytila%202015.pdf>

Climate.now team



PARTNERS

SITRA



IN COLLABORATION



Ministry of
Education
and Culture



Climate.now team



coordinator: Laura Riuttanen

I University of Helsinki, Department of Physics

Markku Kulmala, Jouni Räisänen, Laura Riuttanen, Timo Vesala

Sanna-Liisa Sihto-Nissilä / Aalto

II Lappeenranta University of Technology, Environmental technology

Lassi Linnanen, Michael Child, Maija Leino

IIIa University of Helsinki, Department of Forest Sciences

Jaana Bäck, Anu Riikonen

IIIb University of Helsinki, Department of Environmental Sciences

Sirkku Juhola, Aleksi Räsänen

IV Pedagogical collaboration

Hannele Cantell, Anna Lehtonen, Sakari Tolppanen

V Art collaboration

Elina Aho, Krista Petäjäjärvi, Sampo Kerola

VI Metropolia / Valovirta

Erkki Rämö and students (Digimedia)

Tuomas Aatola and students (Design)

Sitra

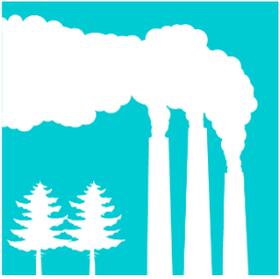
Mari Pantsar, Nani Pajunen, Liisa Lahti

In collaboration with:

Climateguide.fi

Finnish meteorological institute

Ministry of education and culture



Climate.now contents

- **climate change as a scientific phenomenon**
- **how it can be prevented (mitigation), and**
- **how adaptation is possible.**

- **Text material, video lectures, interviews, assignments, teachers' guide.**

- **Both in Finnish & in English**

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www.climatenow.fi
www.ilmastonyt.fi

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Climate.now

CONTENTS

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- 1. Climate change - what is it about?
- 2. Climate system
- 3. The future of the climate
- 4. Impacts
- 5. Mitigation
- 6. Adaptation
- 7. Big Issues
- 8. Applied perspectives and assignments
- 9. Glossaries and other material
- 10. To the teacher
- 11. Contact information

Log in

Course Tools

Welcome

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Youtube: Ilmasto Nyt



THE GREENHOUSE EFFECT

Less thermal radiation escapes into space than what the Earth's surface emits.

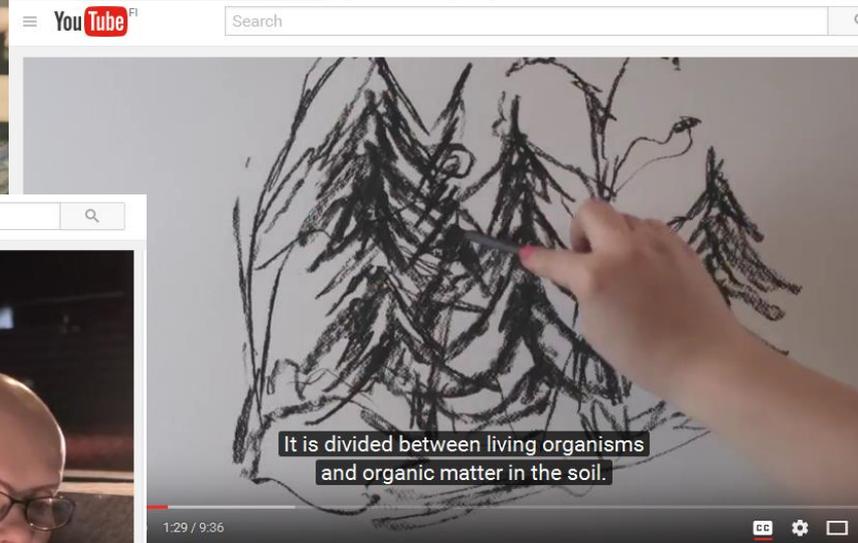
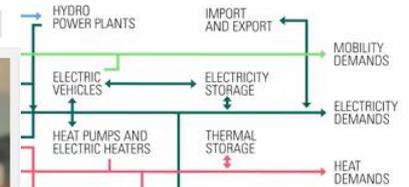
This keeps the Earth's surface warmer than what the amount of absorbed solar radiation alone would permit.

A 100% RENEWABLE ENERGY SYSTEM

ENERGY RESOURCES

CONVERSION AND STORAGE

REDUCED, EFFICIENT AND FLEXIBLE DEMANDS



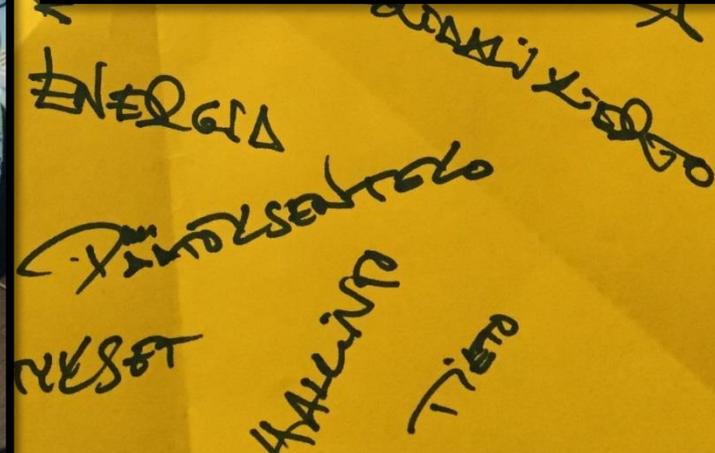


Learning objectives

Student can

- look at climate change from many different perspectives and create connections between them as well as look for solutions to the climate challenge in a variety of ways.
- reflect on his or her own role in climate change and apply what has been learned on the course to his or her field of study.
- examine different perspectives, solutions, information sources and the current debate on climate change critically.

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Future?

- Courses in all universities
 - University of Helsinki, also in Open University, LUT, Aalto...
- Education and networking for teachers
- Multidisciplinary workshops

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