

## CLIMATE.NOW – ONLINE LEARNING MATERIAL ABOUT CLIMATE CHANGE FOR HIGHER EDUCATION

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Climate change expertise is urgently needed in all fields of the society. However, there has been severe shortcomings in teaching the basics of climate change in many universities and study fields, although, at least to some extent, climate change has been included in teaching in all universities in Finland [1].

Climate.now is a multidisciplinary learning material about basics of climate change published online in Autumn 2016 [2]. It is meant for higher education and is available online for anyone to use. Climate.now is done in collaboration with multidisciplinary experts from University of Helsinki, Lappeenranta University of Technology, Metropolia University of Applied Sciences and Finnish Innovation Fund Sitra.

Climate.now material is located at the University of Helsinki MOOC platform ([www.mooc.helsinki.fi](http://www.mooc.helsinki.fi)). Material consists of text, figures, video and assignments. It covers the topic of climate change from different perspectives: from physical background to ecological and societal effects as well as adaptation. All material is available both in English as well as in Finnish. Climate.now learning material can be freely used in any universities, or e.g. companies, as a study material for a climate change course.

The Climate.now material includes a detailed plan for a climate change course that can be easily applied by a university teacher when starting a new course. By answering to multiple choice questions, student gets an automatic certificate. To get credit points, student needs to register to one of the university courses organized based on the material. Currently there are courses going on at the University of Helsinki, Lappeenranta University of Technology and Aalto University [3].

[1] E. Liljeström and S. Monni, Ilmastoalan yliopisto-opetuksen nykytila Suomessa, Sitra raportteja 2015.

[2] Climate.Now learning material: [www.climatenow.fi](http://www.climatenow.fi). In Finnish: Ilmasto.nyt [www.ilmastonyt.fi](http://www.ilmastonyt.fi)

[3] S.-L. Sihto-Nissilä, Developing multidisciplinary university level climate change education in Finland: first experiences. Proceedings of the Finnish Physical Society, 2017.