

Effects of Climate Change on Arctic Livelihoods and Living Conditions

Instructions for part I (2 ECTS)

Climate.now

If you have passed the course *Climate change now* at the University of Helsinki in autumn semester 2016 or 2017, you may skip this part, and move on to part II of the course.

If you have not passed the course yet, please follow the instructions below.

1. Familiarize yourself with the Climate.now MOOC and its background at www.climatenow.fi.
2. Create yourself an account at [UniHel MOOC environment](#).
3. Study the online material at the MOOC environment (sections 1-7), and answer the multiple choice questions in the end of each section. After answering the 7 sets of multiple choice questions you will be able to download a MOOC certificate in the end of the section 7.
4. Write the learning diary according to the instructions given in the template.
5. Submit your learning diary as well as the MOOC certificate by Friday, 16 March 2018, 9:00am EET using the [online submission form](#).

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Instructions for part II (1 ECTS)

Your task is to make a small study related to **ice in the Arctic**. You can choose the scope: you don't have to consider every possible aspect of ice, you are free to limit your study in a way you want.

There are two requirements:

1. You should approach the topic from the perspective of your own field of study.
2. You should consider the expected future change in the selected topic according to one (or more) of climate scenarios. You are free to choose the timeline.

Return your report by **16 March 2018, 9:00am EET** using [the online form](#). The maximum length of the report is 10 000 characters (excluding title, tables, figure captions and references). You can formulate your report using a standard form of a scientific report, but if you feel more comfortable with another expression such as a more popularized report, a video, or an artistic manifestation, feel free to use it.

The report is evaluated using the matrix below, with eight attributes. Each report will be independently evaluated by two experts, and the final grade of your report is an arithmetic mean of the eight evaluated attributes by the two evaluators. Please note that the matrix has been designed to evaluate a scientific report. If you use another type of expression, the final grade will be an arithmetic mean of the applicable attributes.

Evaluation matrix:

	0 points	1 point	3 points	5 points
Submission	-2 points from the maximum for each started week after the deadline; minimum 0 points.			The report is submitted by the deadline.
Introduction	Description of the background information is missing. The aim of the project remains very ambiguous.	Description of the background information is not clearly expressed. The project aim remains rather ambiguous and its relation to broader picture is presented unclearly.	The key background information is explained and its connection with the project is clear. The project aim is clear, but lacks broader significance.	Includes relevant background information and a skillful explanation of the relevance of the project aim. The project aim is described and argued well.
Methods	The methods used in the project are not justified nor described.	The methods used in the project are not properly justified or described.	The methods used in the project are justified and properly described.	The methods used in the project are innovative and very well justified. They are described in an excellent way.
Presentation	No results are presented or they are largely incorrect. Reporting is	Poor use has been made of the material. The results are presented	Good use of the material. The results are presented logically. Figures	Excellent use of the material. The results are presented logically and the figures

	generally very unclear.	superficially or even incorrect and reporting is unclear. Figures, tables and text are inconsistent.	and tables support the text.	and tables support each other as well as the text.
Conclusions	Conclusions are missing.	Conclusions are largely unconnected to the content or objectives of the work.	Conclusions are not sufficiently in line with the background section and objectives/aim.	The analysis evaluates the wider significance of the results. Conclusions are in line with the background section and objectives/aim.
Cohesiveness	The presentation is scattered, illogical, forms no coherent whole, and includes irrelevant information.	The presentation is scattered and misses coherence significantly. The information is partly irrelevant.	The presentation includes relevant information in a relatively logical order and forms a coherent whole.	Relevant information is presented in a logical order, with one issue leading to the next. The presentation forms a coherent whole and proceeds through causal relations.
Technical execution	Tables, images and possible equations are very unclear. Their explanation is missing. Citations and/or the list of references are missing.	Tables and images and their explanation are unclear. Possible equations and units and variables not explained properly. Citations and/or the list of references are not complete.	The tables, images and equations are clear. Citations and the list of references are formulated appropriately.	The tables and images are clear, innovative and reader-friendly. Equations are well presented and variables explained. Citations and the list of references are formulated appropriately.
Quality and quantity of the used literature	Includes few references and no source criticism. Key references are not identified.	Literature has been used, but there are inconsistencies in source criticism and selection of the literature. Key references are not sufficiently highlighted.	The literature has mainly been used appropriately. The source criticism and selection of the literature may show minor inconsistencies. Key references are sufficiently highlighted.	The literature has been used appropriately and in a versatile manner. Key references have been identified, and central points are highlighted to support the whole.