



**NTNU – Trondheim**  
Norwegian University of  
Science and Technology

Department of Geography

## **Examination paper for GEOG2007 - Effects of Climate Change**

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<b>Examination date:</b>	<b>1<sup>st</sup> December, 2015</b>
<b>Examination time:</b>	<b>4 hours</b>
<b>Credits:</b>	<b>7.5</b>
<b>Grades to be announced on:</b>	<b>22<sup>nd</sup> December, 2015</b>
<b>Permitted examination support material:</b>	<b>None</b>
<b>Language:</b>	<b>English</b>
<b>Number of pages:</b>	<b>3</b>
<b>Number of pages enclosed:</b>	<b>0</b>

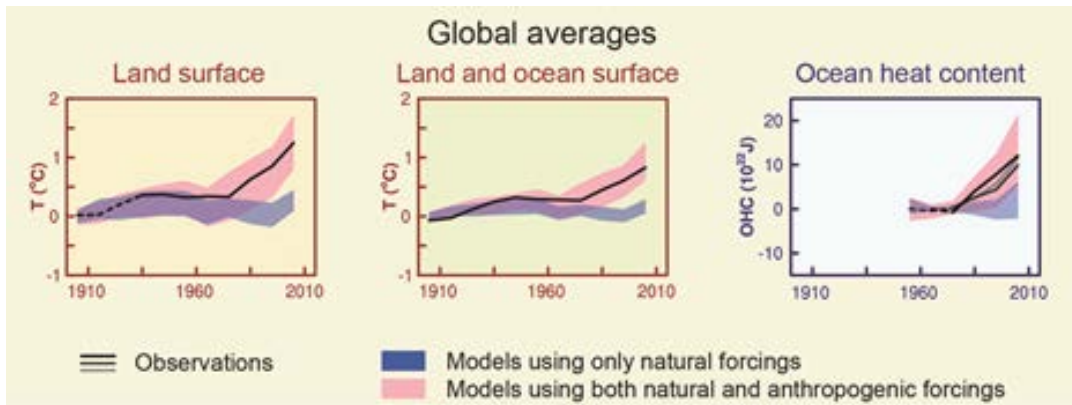
The exam consists of three tasks. It is expected that you do them all. The weighting is indicated with percentages. You may answer in Norwegian.

**1. Explain short but concise the following concepts (25%)**

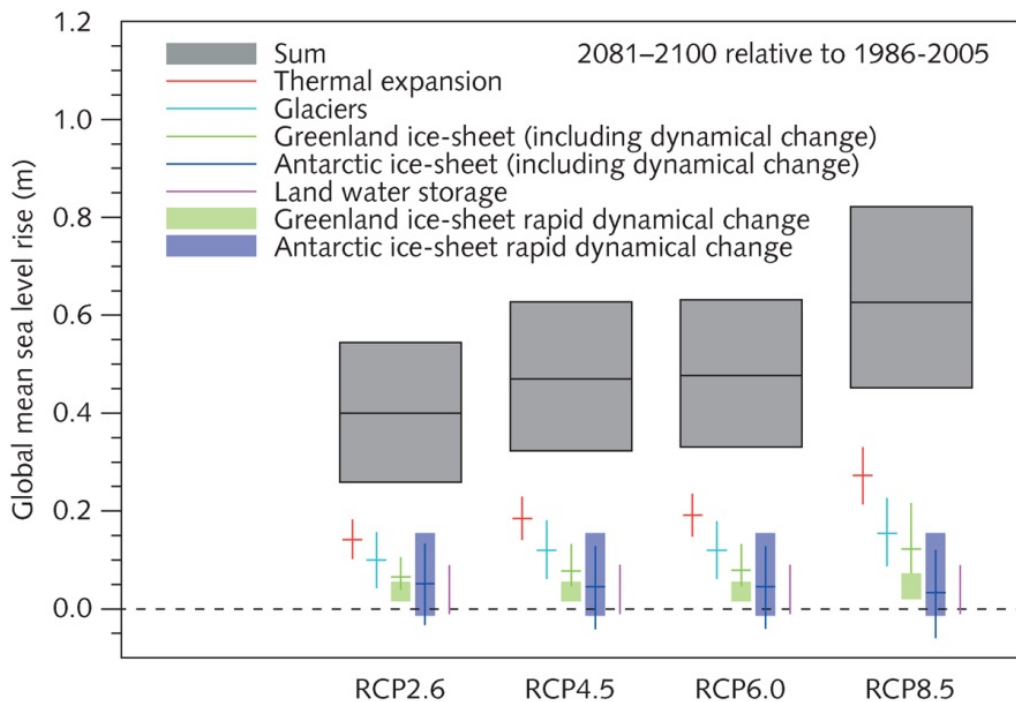
- a. Temperature Anomaly
- b. REDD+
- c. Social Vulnerability
- d. Biomass Energy
- e. Climate Change Adaptation

**2. Short questions and short answers (50%)**

- a. Due to global warming there may be more landslide events. Why?
- b. Below is a part of figure 4.6 from the text book (Houghton et al. 2015). Explain briefly what the figure's message is.



- c. Below is a part of figure 7.2 from the text book (Houghton et al. 2015). Explain briefly what the figure's message is.



- d. Why are conflict researchers critical to the claim that the Darfur conflict that started in 2003 was the first climate war?
- e. What are the advantages and disadvantages of wind energy, and how are these advantages and disadvantages changed for onshore versus offshore wind farms?

### 3. Disaster risk reduction (25%)

Based on the illustration below, describe shortly possible strategies to reduce disaster risk.

