

# Quiz for Lecture 2: Understanding Predictions and Projections in Climate

This quiz contains 2 questions. Complete this quiz to continue to the next lecture.

# Understanding Predictions and Projections in Climate

## What is the rationale behind Climate Projections?

- A. There is an intrinsic evolution of the ocean currents that affects the atmosphere thus the winds and rainfall patterns
- B. Changes in the composition of the atmosphere affect the Energy balance of the atmosphere and at the surface of the Earth thus ocean and atmospheric circulation
- C. Widespread combustion of fossil fuels for transportation, domestic cooking and heating releases heat to the atmosphere thus produces an increase in the temperature
- D. As new technologies are being developed it is projected that less and less people will feel climate as a constraint for their activities

# Answer

B. Changes in the composition of the atmosphere affect the Energy balance of the atmosphere and at the surface of the Earth thus ocean and atmospheric circulation

# Understanding Predictions and Projections in Climate

**What is more important when using a multi-model ensemble?**

- A. That all the models produce the same answer –this ensures that the answer is correct
- B. To remove outliers from the distribution – they are wrong
- C. To develop methods that allow using in some way the information contained in the whole distribution of values produced
- D. To only keep the models that have been right in the past

# Answer

C. To develop methods that allow using in some way the information contained in the whole distribution of values produced

# You have completed quiz 2.

If you have any questions, please see the recommended readings and lecture materials before continuing to the next lecture.