



## Certificate of Achievement

# Matthias Giger

has completed the following course:

**CLIMATE CHANGE: SOLUTIONS**  
UNIVERSITY OF EXETER

This course explored some of the solutions to climate change and other global environmental problems, including how to take personal action. The course used the theme of the Sustainable Development Goals to highlight the ways that climate change is linked to many other natural and social systems.

4 weeks, 3 hours per week



**Professor Tim Lenton**  
Chair in Climate Change/Earth System Science  
University of Exeter



**Dr Damien Mansell**  
Senior Lecturer in Physical Geography  
University of Exeter



The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit [futurelearn.com/proof-of-learning/certificate-of-achievement](http://futurelearn.com/proof-of-learning/certificate-of-achievement).

This learner has not verified their identity. The certificate and transcript do not imply the award of credit or the conferment of a qualification from University of Exeter.

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**CLIMATE CHANGE: SOLUTIONS**  
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**86%**  
AVERAGE TEST  
SCORE

This course explored some of the solutions to climate change and other global environmental problems, including how to take personal action. The course used the theme of the Sustainable Development Goals to highlight the ways that climate change is linked to many other natural and social systems.

### STUDY REQUIREMENT

4 weeks, 3 hours per week

### LEARNING OUTCOMES

- Describe the sustainable development goals and their links to climate change
- Explore responses to climate change: mitigation, adaptation and geoengineering
- Identify methods of making agriculture more sustainable and explore the viability of these methods
- Debate the viability of solutions that help strengthen the terrestrial biosphere carbon sink
- Explain possible solutions to reducing ocean acidification
- Discuss methods and policies being implemented to reduce plastic in oceans
- Describe how buildings and cities can be designed to be more sustainable
- Apply the theme of 'sustainable communities' to the developing world

### SYLLABUS

#### Climate Action

- Introduction to the Sustainable Development Goals
- Sustainable Energy Production

#### Life on Land

- Food security and agriculture

- Strengthening the carbon sink

#### Life below Water

- Pollution in our oceans
- Sustainable fishing

#### Sustainable Cities and Communities

- What do cities of the future look like?
- Taking action into your own hands