

TRANSFORMATION, ADAPTATION
AND MITIGATION FOR A 1.5 DEGREE
GLOBAL WARMING



Directors

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Ibon Galarraga Gallastegui

BC3, Basque Centre for Climate Change, Senior Researcher

Ph.D. in Economics (Environmental Economics) from the University of Bath, M.A. Economics at the University of Essex (UK). He has worked as an environmental consultant for many years for both public and private clients such as the World Bank, the Department for International Development of the British Government or the Basque Government. He was co-founder of a consultancy company. Ibon has taught microeconomics and macroeconomics at the University of Bath and Economic Policy at the University of Deusto.

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(*University of Oldenburg*)

Ioan Fazey
(*University of York*)

Pedro Linares
(*Universidad Pontificia de
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Joan David Tabara
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Gonzalo Saenz de Miera
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Elisa Sainz de Murieta
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(*Grantham Research
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Transformation, Adaptation and Mitigation for a 1.5 degree Global Warming

July 8 – 10, 2019



Cod. M04-19

Activity type: **Course**

Location: **Bizkaia Aretoa (Bilbao)**

Language: **English**

Academic Validity: **30 hours**

Summerschool.bc3research.org

Description

This year we run the 10th edition of the BC3-UPV/EHU Summer School on Climate Change that started in July 2010, when the international community was in the search of a successor agreement to the Kyoto Protocol, following a non-binding Copenhagen Accord put forth in 2009. Since then, the Summer School has covered a wide range of topics from an interdisciplinary perspective and has closely followed the international negotiations on climate change.

This year the debate is spurred by the landmark report released on October 2018 by the UN Intergovernmental Panel on Climate Change (IPCC) stating that urgent action has to be taken in the next twelve years for global warming to be kept to a maximum of 1.5°C in order to avoid catastrophic environmental and economic consequences.

In recent years, there is mounting evidence that current production and consumption patterns and policies are conducting the global economy to cross critical ecological planetary boundaries and that important social, economic and institutional transitions will have to take place. Growing recognition of the need for rapid and substantial change to address global warming has led to the emergence of the concept of transformation. The scale of the challenge has generated terms such as The Great Transition and The Great Transformation, although we still lack a shared understanding amongst the very diverse social agents on what those changes will mean or require.

The Summer School will help expand our thinking and open up the dialogue about transitions and what it means to reshape the way in which people live and contribute to climate stabilization.

Program

DAY 1 / July 8

09:00 – 09:15

Opening Ceremony

09:15 - 10:00

Current challenges in climate science and policy

- Elisa Sainz de Murieta, Postdoctoral Researcher at BC3 and Visiting Fellow at the Grantham Research Institute (LSE)

10:00 - 11:00

Positive tipping points in a rapidly warming world

- Joan David Tàbara, Institute of Environmental Sciences and Technology (UAB) and Global Climate Forum - Associate Researcher

11:00 - 11:40

Poster session and coffee break

11:40 – 13:10

Transformation in a Changing Climate

- Ioan Fazey, University of Dundee - Director of the Centre for Environmental Change and Human Resilience

13:10 – 14:00

Round table: “Transformational change for a 1.5 degree global warming”

- Alberto Ansuategi Cobo UPV/EHU – Lecturer (Moderator)
- Elisa Sainz de Murieta
- Joan David Tàbara
- Ioan Fazey

17:00 – 19:30

Social Event

DAY 2 / July 9

09:15 - 10:15

Urban Development and Finance

- Bernhard Schiessl, CICERO Center for International Climate Research - Advisor

10:15 - 11:15

Urban adaptation to sea level rise

- Iñigo Losada, IH Cantabria - Director

11:15 - 11:50

Poster session and coffee break

11:50 – 12:40

Challenges of flood resilience in cities

- Swenja Surminski, Grantham Research Institute, LSE - Head Adaptation Research

12:40 – 14:00

Round table: “Transformational adaptation pathways in cities”

- Marta Olazabal BC3 – Research Fellow (Moderator)
- Bernhard Schiessl
- Iñigo Losada
- Swenja Surminski

15:30 – 17:30

Climate Game

DAY 3 / July 10

09:15 - 10:05

Assessing the potential and costs of reducing energy demand

- Pedro Linares, Universidad Pontificia de Comillas – Professor

10:55 - 11:00

Is decarbonisation of energy sector in Spain viable?

- Gonzalo Saenz de Miera, Iberdrola – Director of Climate Change

11:00 - 11:30

Coffee break

11:30 – 12:20

Towards Paris-compatible climate governance frameworks

- Alina Averchenkova, GRI/LSE – Distinguished Policy Fellow

12:20 – 13:10

The role of economic modelling for the low carbon transition

- Christoph Böhringer, University of Oldenburg - Professor

13:10 – 14:00

Round table: “Strategies for accelerated climate mitigation”

- Ibon Galarraga BC3 – Senior Researcher (Moderator)
- Pedro Linares
- Christoph Böhringer
- Gonzalo Saenz de Miera
- Alina Averchenkova