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Impacts and risks from higher-end scenarios: Strategies for innovative solutions

Fact Sheet

Project Information

IMPRESSIONS

Grant agreement ID: 603416

Project closed

Start date

1 November 2013

End date

31 October 2018

Funded under

Specific Programme "Cooperation": Environment
(including Climate Change)

Total cost

€ 11 288 441,48

EU contribution

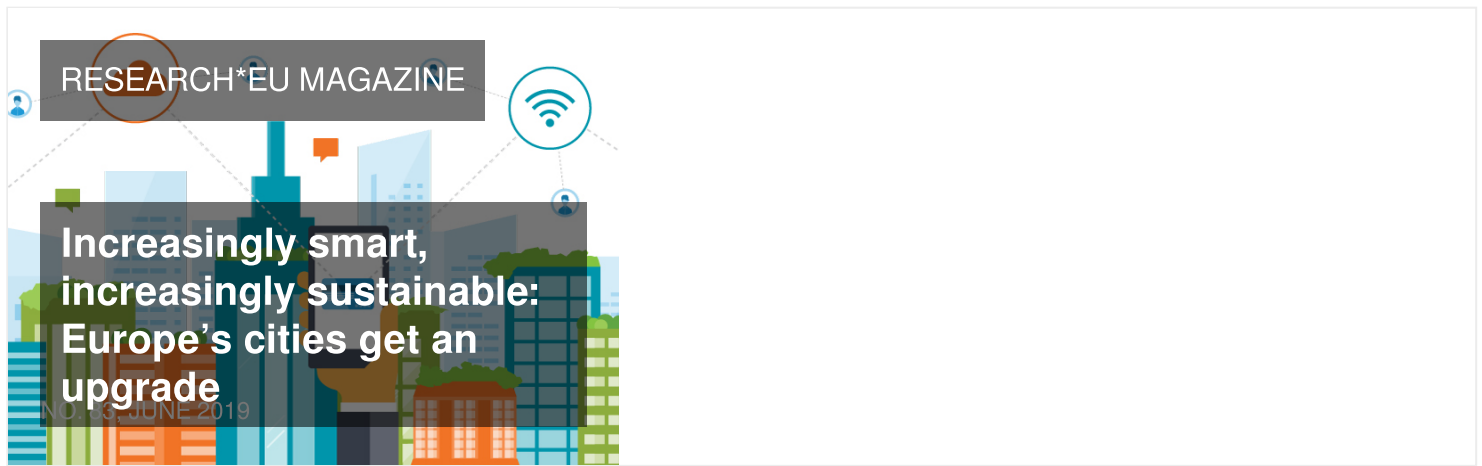
€ 8 914 935,00

Coordinated by

UNITED KINGDOM RESEARCH
AND INNOVATION

 United Kingdom

This project is featured in...



Objective

IMPRESSIONS will provide empirically-grounded, transformative science that quantifies and explains the consequences of high-end climate scenarios for both decision-makers and society. IMPRESSIONS will develop and apply a novel participatory methodology that explicitly deals with uncertainties and strong non-linear changes focussing on high-end climate change, but also including intermediate warming levels. This new methodology will build on the representative concentration pathways (RCPs) and shared socio-economic pathways (SSPs) to create a coherent set of high-end climate and socio-economic scenarios covering multiple scales. These scenarios will be applied to a range of impact, adaptation and vulnerability models that build on theories of complex systems and address tipping elements as key characteristics of such systems. The models will be embedded within an innovative multi-scale integrated assessment approach to improve analysis of cross-scale interactions and cross-sectoral benefits, conflicts and trade-offs. Model results will inform the development of time- and path-dependent transition pathways. These will include mechanisms to foster synergies between adaptation and mitigation and will aim to build resilience in the face of uncertainty. Methods will be applied within five linked multi-sectoral case studies at global, European and regional/local scales. Stakeholders within these case studies will be fully engaged in the research process through a series of in-depth professionally facilitated workshops which maximise their active participation in defining high-end scenarios and adaptation and mitigation pathways, and in analysing the inherent risks and opportunities of new policy strategies. This will build the capacity of stakeholders to understand the risks, opportunities, costs and benefits associated with different adaptation and mitigation pathways under high-end scenarios, and how they might be effectively embedded within decision-making processes.

Fields of science (EuroSciVoc) 

[natural sciences](#) > [earth and related environmental sciences](#) > [atmospheric sciences](#) > [climatology](#) > [climatic changes](#)



Programme(s)

[FP7-ENVIRONMENT - Specific Programme "Cooperation": Environment \(including Climate Change\)](#)

Topic(s)

[ENV.2013.6.1-3 - Impacts of higher-end scenarios \(global average warming > 2 °C with respect to pre-industrial level\)](#).

Call for proposal

FP7-ENV-2013-two-stage
[See other projects for this call](#)

Funding Scheme

[CP - Collaborative project \(generic\)](#).

Coordinator



UNITED KINGDOM RESEARCH AND INNOVATION

EU contribution

€ 614 499,00

Total cost

No data

Address

POLARIS HOUSE NORTH STAR AVENUE

SN2 1FL Swindon

 **United Kingdom** 

Region

South West (England) > Gloucestershire, Wiltshire and Bristol/Bath area > Swindon

Activity type

Research Organisations

Links

- Contact the organisation Website
- Participation in EU R&I programmes
- HORIZON collaboration network

Participants (26)



NATURAL ENVIRONMENT RESEARCH COUNCIL ⓘ

United Kingdom

EU contribution

No data

Address

Polaris House, North Star Avenue
SN2 1EU SWINDON WILTSHIRE ⓘ

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

- Contact the organisation Website
- Participation in EU R&I programmes
- HORIZON collaboration network

Total cost

No data



FUNDACAO DA FACULDADE DE CIENCIAS DA UNIVERSIDADE DE LISBOA FP ⓘ

Portugal

EU contribution

€ 294 862,89

Address

CAMPO GRANDE EDIFICIO C1 PISO 3
1749 016 Lisboa ⓘ

Region

Activity type

Research Organisations

Links

- [Contact the organisation](#)
[Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



STIFTELSEN THE STOCKHOLM ENVIRONMENT INSTITUTE

 Sweden

EU contribution

€ 525 225,00

Address

BOX 24218
104 51 Stockholm 

Region

Östra Sverige > Stockholm > Stockholms län

Activity type

Research Organisations

Links

- [Contact the organisation](#)
[Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



WAGENINGEN UNIVERSITY

 Netherlands

EU contribution

€ 525 750,00

Address

DROEVENDAALSESTEEG 4
6708 PB Wageningen 

Region
Oost-Nederland > Gelderland > Veluwe

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
No data



DANMARKS METEOROLOGISKE INSTITUT

 Denmark
EU contribution

€ 282 594,00

Address
**SANKT KJELDS PLADS 11
2100 KOBENHAVN** 

Region
Danmark > Hovedstaden > Byen København

Activity type
Research Organisations

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
No data



SUOMEN YMPARISTOKESKUS

 Finland
EU contribution

€ 547 200,00

Address

LATOKARTANONKAARI 11
00790 Helsinki 

Region

Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



THE UNIVERSITY OF EDINBURGH

 United Kingdom

EU contribution

€ 637 605,00

Address

OLD COLLEGE, SOUTH BRIDGE
EH8 9YL Edinburgh 

Region

Scotland > Eastern Scotland > Edinburgh

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



DUTCH RESEARCH INSTITUTE FOR TRANSITIONS BV

 Netherlands

EU contribution

€ 362 400,00

Address

BURGEMEESTER OUDLAAN 50
3062 PA Rotterdam 

Activity type

Other

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



CRANFIELD UNIVERSITY

 United Kingdom

EU contribution

€ 430 134,00

Address

College Road
MK43 0AL Cranfield - Bedfordshire 

Region

East of England > Bedfordshire and Hertfordshire > Central Bedfordshire

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



JAEGER JILL

 Austria
EU contribution
€ 151 206,00
Address



Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
[Contact the organisation](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
No data



SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO S ANNA

 Italy
EU contribution
€ 297 760,00

Address
**PIAZZA MARTIRI DELLA LIBERTA 33
56127 Pisa** 

Region
Centro (IT) > Toscana > Pisa

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
No data



PROSPEX BVBA

 Belgium

EU contribution

€ 717 323,00

Address

Vlugestal 6

3140 Keerbergen 

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



PENSOFT PUBLISHERS

 Bulgaria

EU contribution

€ 466 700,00

Address

UL. GEO MILEV 13A

1111 Sofia 

Region

Югозападна и Южна централна България > Югозападен > София (столица)

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



FUNDATIA PENTRU TEHNOLOGIA INFORMATIEI APLICATE IN MEDIU, AGRICULTURA SI SCHIMBARI GLOBALE

 Romania

EU contribution

€ 211 200,00

Address

Sfintii Voievozi 6

010966 Bucharest 

Region

Macroregiunea Trei > Bucureşti-Ilfov > Bucureşti

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



UNIVERSITAET KASSEL

 Germany

EU contribution

€ 229 200,00

Address

MONCHEBERGSTRASSE 19

34125 Kassel 

Region

Hessen > Kassel > Kassel, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



TABARA VILLALBA JOAN

Spain

EU contribution

€ 278 950,00

Address



Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



KOZEP-EUROPAI EGYETEM

Hungary

EU contribution

€ 371 169,00

Address

NADOR UTCA 9

1051 Budapest

Region

Közép-Magyarország > Budapest > Budapest

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

France

EU contribution

€ 144 960,00

Address

RUE MICHEL ANGE 3

75794 Paris

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

Research Organisations

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE ROYAL CHARTER

United Kingdom

EU contribution

€ 243 312,00

Address

KEPPEL STREET

WC1E 7HT London

Region

London > Inner London — West > Camden and City of London

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH

Switzerland
EU contribution

€ 286 800,00

Address
Raemistrasse 101
8092 Zuerich

Region
Schweiz/Suisse/Svizzera > Zürich > Zürich

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



POTSDAM-INSTITUT FUR KLIMAFOLGENFORSCHUNG EV

Germany
EU contribution

€ 271 665,00

Address
TELEGRAFENBERG A31
14473 Potsdam

Region
Brandenburg > Brandenburg > Potsdam

Activity type
Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



IODINE SPRL

Belgium

EU contribution

€ 150 000,00

Address

DREVE DU REMBUCHER 34
1170 Bruxelles / Brussel

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



UNIVERSITA' DEGLI STUDI DI MILANO-BICOCCA

Italy

EU contribution

€ 51 604,00

Address

PIAZZA DELL'ATENEIO NUOVO 1
20126 Milano

Region

Nord-Ovest > Lombardia > Milano

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



PARIS-LODRON-UNIVERSITAT SALZBURG

Austria

EU contribution

€ 124 800,00

Address

KAPITELGASSE 4-6
5020 Salzburg

Region

Westösterreich > Salzburg > Salzburg und Umgebung

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD

United Kingdom

EU contribution

€ 561 999,00

Address

WELLINGTON SQUARE UNIVERSITY OFFICES
OX1 2JD Oxford

Region

South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Oxfordshire

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



FCIENCIAS.ID - ASSOCIACAO PARA A INVESTIGACAO E DESENVOLVIMENTO DE CIENCIAS

 Portugal

EU contribution

€ 136 017,11

Address

CAMPO GRANDE, EDIFICIO C1, PISO 3

1749 016 Lisbon 

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

Last update: 11 April 2022

Permalink: <https://cordis.europa.eu/project/id/603416>

European Union, 2025

