

10-12th March 2014, Lisbon, Portugal

PROGRAMME - 3RD MARCH 2014

Monday, 10TH March 2014

08:00	09:00	Conference Registration
09:00	10:20	Opening session [Room Oriente]
		The climate change adaptation challenge in Horizon 2020 Kurt Vandenberghe (Video message) / José Jimenez-Mingo, Directorate General for Research and Innovation, European Commission
		Identifying knowledge challenges for Europe: the contribution from CIRCLE-2 and other networks Humberto Rosa, Directorate General for Climate Action, European Commission
		CIRCLE-2 ERA-Net: a decade of climate research & response cooperation in Europe Tiago Capela Lourenço, Faculty of Sciences, University of Lisbon, Portugal
		An overview of climate change impacts and adaptation research in Portugal Filipe Duarte Santos, Faculty of Sciences, University of Lisbon, Portugal
		Opening address by the Portuguese Ministry of Environment, Spatial Planning and Energy Paulo Lemos, Secretary of State of Environment
10:20	10:50	Coffee-break
10:50	12:30	Plenary 1: Adaptation Research Challenges [Room Oriente]
		Chair: David Avelar, Faculty of Sciences, University of Lisbon, Portugal
		Challenges for climate change impact assessment in support of adaptation needs Tim Carter, Finnish Environment Institute, Finland
		The Global Programme of Research on Climate Change Vulnerability, Impacts and Adaptation (PROVIA): Supporting European and Global Adaptation Challenges Richard Klein, Stockholm Environment Institute, Sweden
		Building saliency, credibility and legitimacy: the key tasks of co-producing knowledge for adaptation Asunción St Clair, International Centre for Climate and Environmental Research-Oslo (CICERO), Norway
		JPI Climate - building on the CIRCLE-2 legacy Patrick Monfray, JPI Climate, French National Research Agency, France
12:30	14:00	Lunch
14:00	15:30	Parallel Sessions A
		Agriculture and Forests [Room Chiado]
		Conveners: David Avelar, CIRCLE-2 / Marisa Tello Mariscal, JPI FACCE
		Critical analysis of quantitative climate vulnerability assessments to guide agricultural adaptation Lotten Wiréhn, CSPR, University of Linköping, Sweden
		A multi-scale climatic analysis of viticultural terroirs in the context of climate change Hervé Quéno, CNRS, France
		Biodiverse legume-rich sown permanent pastures: an adaptation and mitigation tool for sustainable animal production in Mediterranean areas under climate change David Gomes Crespo, Fertiprado, Lda., Portugal
		AGROSCENARI, a national project on adaptation of Italian agriculture to climate change Vittorio Marletto, ARPA-SIMC, Italy

Coastal Areas, Marine Biodiversity and Fisheries [Room Lapa]

Conveners: Marie Mojaisky, Maurice Imbard, Dina Carrilho, CIRCLE-2 / Andris Andrusaitis, BONUS

General plan of complementary adaptive measures to climate change for Venice

Emiliano Ramieri, Thetis, Italy

Adaptation of coastal protection in Belgian coastal towns

Renaat De Sutter, AnteaGroup, Belgium

Climate change vulnerability in the coastal protected areas of Catalonia (Spain): the cases of Ebro delta and Aiguamolls de L'empordà

Sandra Fatorić, Autonomous University of Barcelona, Catalonia, Spain

Coastal hazard mapping as a planning tool in climate change adaptation - the case of Fonte da Telha, Portugal

Rui Taborda, Instituto Dom Luiz, University of Lisbon, Portugal

Terrestrial Biodiversity, Ecosystems and Nature Conservation [Room Marvila]

Conveners: Marianne Lilliesköld, CIRCLE-2 / Horst Korn, BfN, Germany

Exploring the robustness of adaptation options for biodiversity to the direct and indirect effects of climate and socio-economic change

Paula Harrison, University of Oxford, United Kingdom

Adapting the Portuguese herptofauna to climate change, what and how to do it? A contribution to the Portuguese adaptation strategy using a combined methodology

Mário Pulquério, CCIAM, University of Lisbon, Portugal

Ecosystem services' sensitivity to climate change and possible adaptation options in mountain regions

Christin Haida, alpS GmbH, Austria

Managing the future of Mediterranean Cork oak woodlands: pitfalls of using incomplete species range models for climate change adaptation planning

Ricardo Correia, CBA, University of Lisbon, Portugal

Water Resources and Management [Room Oriente]

Conveners: Sandra Garcia, CIRCLE-2 / Seppo Rekolainen, JPI Water

Adapting to future droughts: a risk-based approach for increasing drought preparedness

Eleni Kampragkou, National Technical University of Athens, Greece

A regional overview of climate change impacts on hydrology in SE Europe, Turkey and the Caucasus region

Paul Schattan, alpS GmbH, Austria

Assessing the potential impacts of climate change on coastal groundwater resources at three Mediterranean sites

Tibor Y. Stigter, UNESCO-IHE, Netherlands

Managing water scarcity in the Magdalena river basin in Colombia. An economic assessment

Martha Bolivar Lobato, University of Hamburg, Germany

Health and Urban Areas [Room Alcântara]

Conveners: Rob Swart, CIRCLE-2 / Jonas Bylund, JPI Urban Europe

The vulnerability factor card game - a bottom-up methodology for identifying and analysing vulnerability of people and formulate multi-level adaptation strategies

Anna C. Jonsson, CSPR, Linköping University, Sweden

Integrated risk management - a key strategy in climate change adaptation. An example from Austria

Angela Michiko Hama, alpS GmbH, Austria

Simulating future changes in the urban heat island effect based on an integration of socio-economic and climate scenarios

Vasco Diogo, VU University Amsterdam, Netherlands

Identifying trade-offs between adaptation and mitigation in Copenhagen and Helsinki

Mia Landauer, Aalto University, Finland

Economics, Financial Instruments and Insurance [Room Alfama]

Conveners: Martin König, Sergio Castellari, CIRCLE-2 / Fabio Eboli, JPI Climate

Climate-induced change in crop yields: a CGE analysis of macroeconomic impacts and costs & benefits of adaptation

Miles Perry, JRC, European Commission

Results of a multifactorial pluvial flood damage model for Belgium

Tom Creten, HIVA, KU Leuven, Belgium

A new financing mechanism for the Dutch climate adaptation toolkit? Dimensions and applicability of tax increment financing

Liz Root, Radboud University, Netherlands

Cross-sectoral vulnerability, risk and economic assessments of climate impacts and their usefulness for adaptation strategies

Inke Schauser, Federal Environment Agency, Germany

Special session: User Requirement Assessment for accessing Climate Data and Information in Europe [Room Graça]

Conveners: FP7 projects: ISENES-2 (Infrastructure project of the European Network on Earth System modellers - phase 2) and CLIP-C (Climate Information Platform for Copernicus)

Introduction to ISENES-2 and CLIP-C / Objectives and program of the session

Lars Bärring, SMHI, Sweden

Discussion on user requirements

Erik van Slobbe, Wageningen University, Netherlands

Presentation on the Climate4impacts portal

Christian Pagé, CERFACS, France

Formulation of recommendations to IS-ENES and CLIP-C for an integrated strategy for user consultation in the coming years

Erik van Slobbe, Wageningen University, Netherlands

15:30 16:00

Coffee-break

16:00 17:30

Parallel Sessions B

Uncertainty and Decision-making [Room Chiado]

Conveners: Leendert van Bree, PBL, Netherlands / Hans-Martin Füssel, EEA, Denmark

Uncertainty and decision-making: the case of climate induced migration

Chloé Vlassopoulos, University of Picardie, France

Dealing with uncertainty - new concepts searching for a more resilient flood policy. Comparing discourses in Netherlands and Flanders

Maria Kaufmann, Radboud University, Netherlands

Low and no-regret adaptation. What do we know about options, transferability, uncertainty and economic appraisal from recent research, policy and practice?

Paul Watkiss, Paul Watkiss Associates, United Kingdom

Alternative techniques to appraise adaptation options: are robust methods the way forward?

Ruth Dittrich, University of Edinburgh, United Kingdom

Climate Modelling, Observations and Scenarios: User Needs for Adaptation [Room Lapa]

Conveners: Carin Nilsson, CIRCLE-2 / Erik Kjellström, SMHI, Sweden

Land use alterations due to climate change: application of a spatial interaction model to Tadahart – Tanger (Morocco)

Paulo Silveira, University of Évora, Portugal

Construction of reduced-form ensembles of climate scenarios for impact/adaptation studies

Martin Dubrovsky, Institute of Atmospheric Physics ASCR, Czech Republic

Spatial and temporal analysis of future climate trends in the Loire valley, France

Etienne Neethling, CNRS & INRA, France

Mapping observed adaptation-relevant changes in local climate

David Stainforth, London School of Economics, United Kingdom

Adaptation Strategies, Adaptation Monitoring, Evaluation and Indicators [Room Oriente]

Conveners: Markus Leitner, CIRCLE-2 / André Jol, EEA, Denmark

Towards an Austrian monitoring & evaluation system - flexible, easy-to-manage and multi-purpose

Sabine McCallum, Environment Agency Austria

England's national adaptation programme: regression or progression?

Suraje Dessai, University of Leeds, United Kingdom

Legislating adaptation: emerging opportunities for European countries

Sirkku Juhola, University of Helsinki & Aalto University, Finland

How the Swiss adaptation strategy addresses uncertainties as biggest adaptation frontier

Roland Hohmann, Federal Office for the Environment, Switzerland

Knowledge Sharing and Science-practice Interactions [Room Alcântara]

Conveners: Annemarie Groot, CIRCLE-2 / Asunción St Clair, JPI Climate

Exploring the information geographies of climate change adaptation through innovative mapping technologies

Michael Rastall, Stockholm Environment Institute, United Kingdom

Research to inform adaptation planning and policy in the built environment and infrastructure sectors

Patrick Pringle, UKCIP, University of Oxford, UK

Science-stakeholder based adaptation research gaining pace: experiences and theoretical considerations from Sweden

Åsa Gerger Swartling, Stockholm Environment Institute, Sweden

Youth meets adaptation science and practice. An example of bidirectional knowledge-sharing from Austria

Maximilian Riede, alpS GmbH, Austria

Climate Adaptation Services [Room Alfama]

Conveners: Roger Street, CIRCLE-2 / Dagmar Bley, Maria Manez, JPI Climate

Improving Climate-ADAPT case studies to support the implementation of climate change adaptation practices

Emiliano Ramieri, Thetis, Italy

Using online-tools to develop local and regional adaptation strategies - lessons learned from an existing system for decision makers in Germany

Clemens Haße, Federal Environment Agency Germany (UBA), Germany

Climate adaptation services for the Netherlands: an operational approach to support spatial adaptation planning

Hasse Goosen, Alterra, Netherlands

Can targeted climate services help in adapting to global warming?

Eva Banos de Guisasaola, Euro-Mediterranean Centre on Climate Change, Italy

Transition, Societal Transformation, Ethics, Values and Equity [Room Marvila]

Conveners: Kirsten Hollaender, CIRCLE-2 / Peter Driessen, Lisa Almesjo, JPI Climate

Ensuring societal relevance in geotechnical climate adaptation science

Lisa Van Well, Swedish Geotechnical Institute, Sweden

A “multi-arena” governance framework for the study of transitions in the making

Inês Campos, CCIAM, University of Lisbon, Portugal

Equity and economic analysis in the determination of climate change adaptation

Alistair Hunt, University of Bath, United Kingdom

Investigative and transformative research for societal transformation to sustainability

Manuel Gottschick, KLIMZUG-NORD, Germany

Special session: User Requirement Assessment for accessing Climate Data and Information in Europe

[Room Graça]

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Formulation of recommendations to IS-ENES and CLIP-C for an integrated strategy for user consultation in the coming years

Erik van Slobbe, Wageningen University, Netherlands

17:30

Closure of Day 1

18:30

22.00

Conference event - Oceans in a changing climate

Tuesday, 11TH March 2014

08:00 09:00

Registration

09:00 10:30

Plenary 2: CIRCLE-2 Joint Initiatives [Room Oriente]

Chair: Millán Millán, Mediterranean Centre for Environmental Studies, Fundacion CEAM, Spain

CIRCLE-MED results

Maurice Imbard, Ministry of Ecology, Sustainable Development and Energy, France

CIRCLE-MOUNT results

Markus Leitner, Environment Agency Austria, Austria

CIRCLE-2 Joint Initiative on Climate Uncertainties

Ana Rovisco, Faculty of Sciences, University of Lisbon, Portugal

CIRCLE-2 Climate Adaptation InfoBase

Andreia Sousa, Faculty of Sciences, University of Lisbon, Portugal

10:30 11:00

Coffee-break

11:00 12:30

Parallel Sessions C

Agriculture and Forests [Room Chiado]

Conveners: David Avelar, CIRCLE-2 / Maria José Delgado, JPI FACCE

How to bridge the gap between climate modellers and forest owners – or which forest trees will survive today and have maximum growth in the future?

Lars Barring, SMHI, Sweden

Scenario building for the forest sector for adaptation of policy measures in the context of climate change and greenhouse gas reporting

Martin Braun, University of Natural Resources and Life Sciences, Austria

Expansion and adaptation in the pine processionary moth

Helena Santos, FCT, Universidade Nova de Lisboa, Portugal

Climate change and forestry in Rhineland-Palatinate (southwest-Germany). From the assessment of regional impacts to the development of regional adaptation strategies

Ulrich Matthes, Rhineland-Palatinate Centre of Excellence for Climate Change Impacts, Germany

Coastal Areas, Marine Biodiversity and Fisheries [Room Lapa]

Conveners: Marie Mojaisky, Maurice Imbard, Dina Carrilho, CIRCLE-2 / Andris Andrusaitis, BONUS

Sex at the edge - how climate change influences sexual selection

Nuno Monteiro, CIBIO, Portugal

Assessing the future and potential for adaptation of Atlantic salmon facing climate change in southern Europe

Etienne Prévost, INRA, France

Shore meadows in the Baltic sea - consequences of climate change for species diversity and composition

Alma Strandmark, Stockholm University, Sweden

The French national climate change observatories network IFRECOR

Michel Porcher, S2C, France

Terrestrial Biodiversity, Ecosystems and Nature Conservation [Room Marvila]

Conveners: Marianne Lillieskold, CIRCLE-2 / Horst Korn, BfN, Germany

Identifying tipping points in Mediterranean woodland ecosystem based on early warning ecological indicators

Cristina Branquinho, CBA, University of Lisbon, Portugal

Embedding climate change adaptation into national nature reserves

Simon Duffield, Natural England, United Kingdom

Sown biodiverse pastures as a carbon sink and a solution to reverse the degradation of arid and semi-arid ecosystems

Vânia Proença, University of Lisbon, Portugal

The climate change vulnerability index: a new method for supporting adaptive management of stream ecosystems in Europe

Yaron Hershkovitz, University of Duisburg-Essen, Germany

Water Resources and Management [Room Oriente]

Conveners: Sandra Garcia, CIRCLE-2 / Seppo Rekolainen, JPI Water

Integrated pan-European view for coastal lagoons management: a nested DPSIR approach

Ana I. Lillebø, CESAM, University of Aveiro, Portugal

Assessing climate change impacts and potential adaptation measures through water balance modelling - the case of Syros island, Greece

Eleni Kampragkou, National Technical University of Athens, Greece

Adaptation of multi-purpose reservoirs management on the Seine river basin in a climate change perspective. Results of the CLIMAWARE project

David Dorchies, Irstea Montpellier, France

The change to probabilistic projections: farm reservoir design in the UK

Keith Weatherhead, Cranfield University, United Kingdom

Health and Urban Areas [Room Alcântara]

Conveners: Rob Swart, CIRCLE-2 / Jonas Bylund, JPI Urban Europe

Stimulating health-protective behaviour during heat waves by effective communication instruments

Torsten Grothmann, University of Oldenburg, Germany

Do elderly keep a cool head? Heat perception and behaviour strategies of elderly residents in urban areas

Brigitte Allex, University of Natural Resources and Life Sciences, Austria

Assessing European vulnerabilities to the risks of climate change on infectious disease transmission

Jonathan Suk, European Centre for Disease Prevention and Control

'Cool' governance of a 'hot' climate issue: public and private responsibilities for the protection of vulnerable citizens against extreme heat

Heleen Mees, Utrecht University, Netherlands

Economics, Financial Instruments and Insurance [Room Alfama]

Conveners: Martin König, Sergio Castellari, CIRCLE-2 / Fabio Eboli, JPI Climate

Natural hazard insurance in Europe. What need to harmonize national and regional systems of risk transfer in a changing climate?

Reimund Schwarze, UFZ, Germany

Vulnerability of the small: response of Nordic non-life insurers to climate related threats and opportunities

Lara Johannsdottir, University of Iceland, Iceland

Adaptation to climate change: global costs and practical examples

Johan Bogaert, Flemish government, Flanders, Belgium

How to define and finance green infrastructure in urban areas to tackle climate change issue? Taking stock of several European and American cities' experiences

Alexia Leseur, CDC Climat, France

12:30 14:00

Lunch

14:00 15:30

Parallel Sessions D

Uncertainty and Decision-making [Room Chiado]

Conveners: Leendert van Bree, PBL, Netherlands / Hans-Martin Füssel, EEA, Denmark

How is uncertainty addressed in the knowledge base for national adaptation planning?

Hans-Martin Füssel, EEA, Denmark

Quantifying the uncertainties within a cross-sectoral, integrated assessment of climate change impacts, adaptation and vulnerability in Europe

Mark Rounsevell, University of Edinburgh, United Kingdom

Of clouds and clocks: an approach to the problem of uncertainty in climate change adaptation

Stefan Gray, University College Cork, Ireland

Quantifying climate science uncertainty: from model ensembles to expert elicitation

David Stainforth, London School of Economics, United Kingdom

Climate Modelling, Observations and Scenarios: User Needs for Adaptation [Room Lapa]

Conveners: Carin Nilsson, CIRCLE-2 / Erik Kjellström, SMHI, Sweden

CLIMATE4IMPACT: Developing standards, tools and data access tailored for impacts and adaptation users in Europe

Christian Pagé, CERFACS, France

The 'usability gap': the UK climate projections 2009 and adaptation decision making amongst organisations

Geoff Whitman, University of Leeds, United Kingdom

Producing and transferring knowledge on regional climate change: experiences from the work with CORDEX at the Swedish Meteorological and Hydrological Institute

Erik Kjellström, SMHI, Sweden

On the use of seasonal to decadal climate predictions in Europe

Marta Bruno Soares, University of Leeds, United Kingdom

Adaptation Strategies, Adaptation Monitoring, Evaluation and Indicators [Room Oriente]

Conveners: Markus Leitner, CIRCLE-2 / André Jol, EEA, Denmark

The Swedish risk and vulnerability assessment - the legacy and the way forward for strategic adaptation to climate change in Sweden

Åsa Sjöström, SMHI, Sweden

Regional governance models in enabling and implementing climate change adaptation action: an overview of EU 28 member states

Jennifer McGuinn, Milieu Ltd, Belgium

The UK adaptation sub-committee's monitoring and evaluation framework for assessing progress in UK adaptation

Lola Vallejo, Committee on Climate Change, United Kingdom

Political climate adaptation decisions in Germany - shortfalls and possible applications for decision support systems

Karl Trela, University of Leipzig and UFZ, Germany

Knowledge Sharing and Science-practice Interactions [Room Alcântara]

Conveners: Annemarie Groot, CIRCLE-2 / Asunción St Clair, JPI Climate

Climate change adaptation manual: experiences and lessons learned across Europe and beyond

Sabine McCallum, Environment Agency Austria

Why is it so difficult to get stakeholders at the (climate change) table? A look into the kitchen of science

Marta Varanda, ICS, University of Lisbon, Portugal

How to communicate climate change adaptation effectively?

Andrea Prutsch, Environment Agency Austria

Transnational learning for drought adaptation: opportunities and bottlenecks for knowledge transfer

Joanne Vinke-de Kruijf, University of Osnabrück, Germany

Climate Adaptation Services [Room Alfama]

Conveners: Roger Street, CIRCLE-2 / Dagmar Bley, Maria Manez, JPI Climate

Developing adaptation services for pluvial flood risks under changing climate: a participatory approach applied in the north Adriatic coast

Silvia Torresan, Euro-Mediterranean Centre on Climate Change, Italy

Understanding the needs from sub national actors for adaptation services: a Climate-KIC case study in 5 European countries

Michel Kolasinski, CLIMPACT-METNEXT

Supporting the choice of salient methods and tools for adaptation: a diagnostic framework

Alexander Bisaro, Global Climate Forum e.V, Germany

Climate Ireland - supporting an progressing climate adaptation in Ireland

Barry O'Dwyer, Coastal & Marine Research Centre, University College Cork, Ireland

Transition, Societal Transformation, Ethics, Values and Equity [Room Marvila]

Conveners: Kirsten Hollaender, CIRCLE-2 / Peter Driessen, Lisa Almesjo, JPI Climate

Towards explanations of 'deep' shifts in environmental governance practices: a framework and examples from the domain of flood risk governance in the Netherlands

Dries Hegger, Utrecht University, Netherlands

Divergent adaptation to climate variability: a case study of pastoral and agro-pastoral societies in Niger

Julie Snorek, UNU-EHS, Germany

Regimes of value, climate change and the handling of water

Katrina Wiberg, Aarhus School of Architecture, Denmark

The potential of transdisciplinary research-education cooperations as a step towards societal transformation

Maximilian Riede, alpS GmbH, Austria

15:30 16:00

Coffee-break

16:00 17:30

Plenary 3: Adaptation Interfaces [Room Oriente]

Chair: Rob Schoonman, Ministry of Infrastructure and Environment, Netherlands

How to manage productive science-practice interactions in adaptation research

Annemarie Groot, KvK Research Programme, Netherlands / Kirsten Hollaender, PT-DLR, Germany

From climate services to climate adaptation services

Roger Street, UK Climate Impacts Programme (UKCIP), United Kingdom

Adaptation knowledge sharing and development – collaborating with developing countries

Rob Swart, Knowledge for Climate Research Programme, Netherlands

Regional, national, European and international information platforms – towards a coherent European landscape

André Jol, European Environment Agency, Denmark

17:30

Closure of Day 2

Wednesday, 12TH March 2014

08:00	09:00	Registration
09:00	10:15	Plenary 4: Knowledge for Adaptation: the Policy Context [Room Oriente] Chair: Sabine McCallum, Environment Agency Austria National Adaptation Strategy: towards an implementation agenda Eduardo Santos, Portuguese Environment Agency, Portugal Adaptation knowledge for decision making: filling the gaps to fulfil the EU adaptation strategy Humberto Rosa, Directorate General for Climate Action, European Commission Frontiers in Climate Adaptation Policy? Feedback on conference days 1-2 Conference organisers, CIRCLE-2 ERA-Net
10:15	10:45	Coffee-break
10:45	12:45	Panel: Knowledge for Adaptation: from Science to Policy and Practice [Room Oriente] Moderator: José Pedro Frazão, Radio Renascença, Portugal Eduardo Santos , Portuguese Environment Agency, Portugal Humberto Rosa , DG Climate Action, European Commission Patrick Pringle , UK Climate Impacts Programme, United Kingdom Sabine McCallum , Environment Agency Austria, Austria
12:45	13:00	Conference closing / Field programme presentation
13:00	14:00	Lunch
14:00	18:00	Field programme - Lisbon 'Climate peddy-paper' 'Peddy-paper' is an English word (only used in Portugal) to define a pedestrian orientation competition where participants have to test their knowledge about a theme or fulfil a specific task, in order to advance between checkpoints. The Adaptation Frontiers' Lisbon 'Climate peddy-paper' will take teams through downtown Lisbon where they will observe, discuss and analyse some of the city's most relevant climate and climate adaptation related historical aspects. The Lisbon 'Climate peddy-paper' is an integral part of the conference programme. Enjoy and good luck to all the teams!