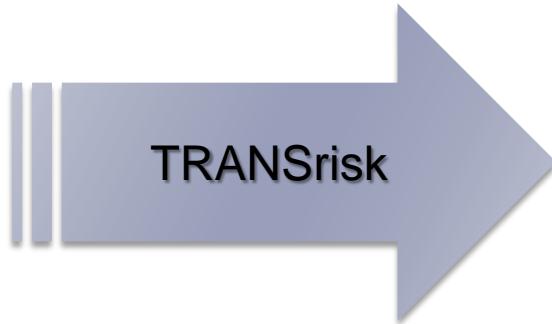


TRANSrisk

Aim - Methodology - Results

PRESENTATION OUTLINE



- ✓ Background
- ✓ TRANSrisk Overview
- ✓ Objectives
- ✓ Methodological Framework
- ✓ Target Groups
- ✓ Expected results
- ✓ How to Contact us



BACKGROUND

A Roadmap for moving to a competitive low carbon economy in 2050

COM (2011) 112 - Ambitious EU policy goals (80% emissions reduction below 1990 levels by 2050, through domestic reductions alone).

IPCC report, March 2014

“The world is ill-prepared to address the risks of climate change resulting from vulnerability, exposure, and overlapping hazards triggered by climate events”.

Meet the Challenge:

High degree of uncertainty in models concerning future climate evolution and its impacts & models assessing costs & benefits associated with different mitigation pathways.

Public acceptance of low-carbon (technology) options.

Urgent need to understand **costs** and **risks** associated with **climate change**, and risks, uncertainties and co-effects related to different **mitigation pathways**



TRANSRISK OVERVIEW (1 / 2)

- ❖ **Title:** Transitions pathways and risk analysis for climate change mitigation and adaptation strategies (TRANSrisk)
- ❖ **Funding:** European Union's Horizon 2020 Research and Innovation Programme (H2020)
- ❖ **Started:** September 2015
- ❖ **Duration:** 36 Months
- ❖ **Coordinator:** SPRU, Science Technology Policy Research, University of Sussex
- ❖ **Participants:** 12
- ❖ **Contract Number:** H2020-SC5-2014-2015/642260

TRANSRISK OVERVIEW (2/2)

SPRU - Science Technology Policy Research, University of Sussex	UK
BC3 - Basque Centre for Climate Change	ES
CE - Cambridge Econometrics	UK
ECN - Energy Research Centre of the Netherlands	NL
ETH Zurich - Swiss Federal Institute of Technology (funded by Swiss Gov't)	CH
IBS - Institute for Structural Research	PL
JIN - Joint Implementation Network	NL
NTUA - National Technical University of Athens	GR
SEI - Stockholm Environment Institute/ University of York	SE, KE
UniGraz - University of Graz	AT
UPRC - Association of Bulgarian Energy Agencies	GR
CLAPESUC - French Environment and Energy Management Agency	CL



OBJECTIVES

TRANSrisk aims to **innovatively transform** the way in which climate change policy pathways are developed:

Create a **novel assessment framework** for analysing the costs and benefits of transition pathways while considering risks and uncertainties.

Design a **decision support tool** to assist policy makers to include risk assessments when designing policy and policy mixes.

Assess **low emission transition pathways** that are technically & economically feasible & socially & environmentally acceptable.

Bring together **quantitative** models and **qualitative** approaches, focusing on participatory consultations with stakeholders.



TARGET GROUPS

Engagement Processes

Workshops

Conferences

Interviews

- Structured
- Semi-structured

Surveys & questionnaires

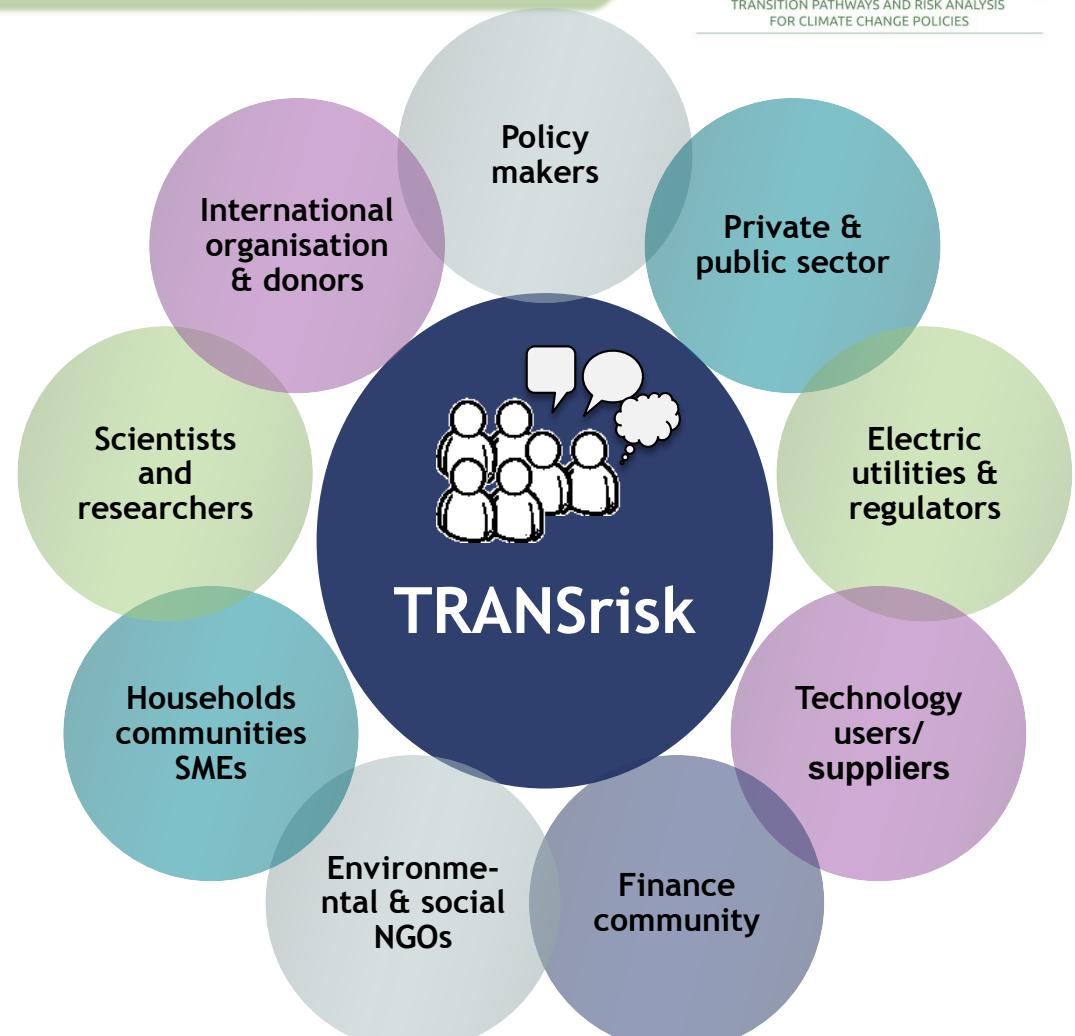
Multi-criteria Decision Analysis

Market Mapping

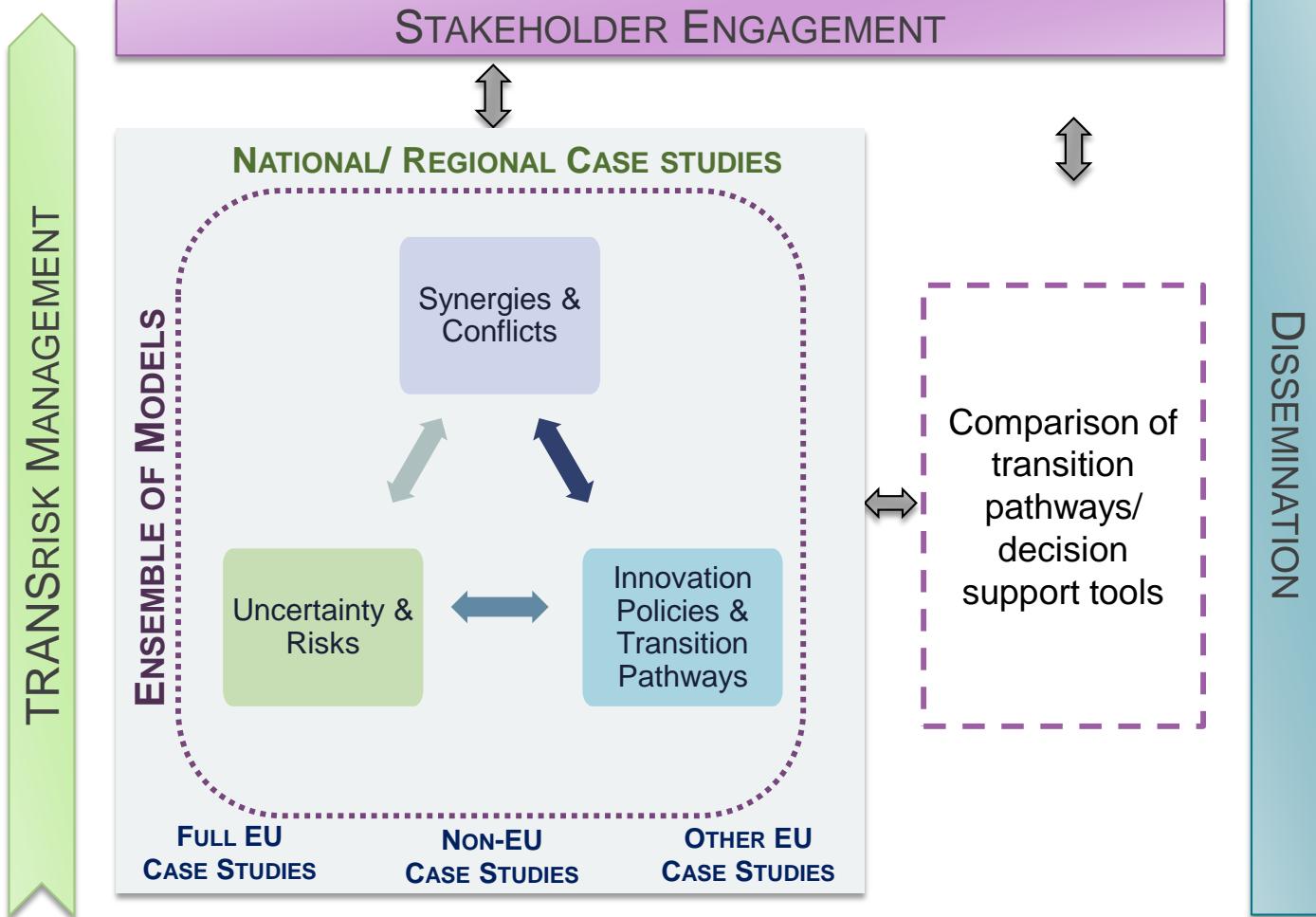
Cognitive Mapping

Participatory modelling

Delphi



METHODOLOGICAL FRAMEWORK (1 / 3)



METHODOLOGICAL FRAMEWORK (2 / 3)

Stakeholder Engagement

- ✓ Help formulate assumptions for quantitative models to assess synergies, conflicts, and risks of transition pathways.
- ✓ Link quantitative & qualitative inputs – outputs.

Synergies, Conflicts & Participatory Scenario Development

- ✓ Explored between different energy system pathways and other societal objectives.
- ✓ Co-benefits of low-emission pathways, including changes in the energy mix, energy efficiency, or other resource constraints.

Innovation Policies & Transition Pathways

- ✓ Involvement of multiple actors.
- ✓ Examination of existing policies, cultures, and habits across multiple sectors.

Assessing Uncertainties & Risks

- ✓ Risk of a particular policy approach in reducing emissions.
- ✓ Health, safety, food-supply & security risks associated with particular technologies.
- ✓ Economic risks of policy approaches.



EXPECTED RESULTS

TRANSrisk expects to have an impact across the policy, business, social and academic sectors:

- ✓ Provide insights on mitigation pathways across multiple sectors and geographical areas - 15 case studies in the EU as well as Canada, Chile, China, India and Indonesia.
- ✓ Provide decision makers with a non-specialist “tool box” to assess and evaluate the socio-economic costs & benefits of mitigation options.
- ✓ Facilitate EU and global climate policy goals such as the implementation and review of the EC’s “Roadmap for moving to a low-carbon economy by 2050”.
- ✓ Contribute to major international scientific assessments (e.g. IPCC).



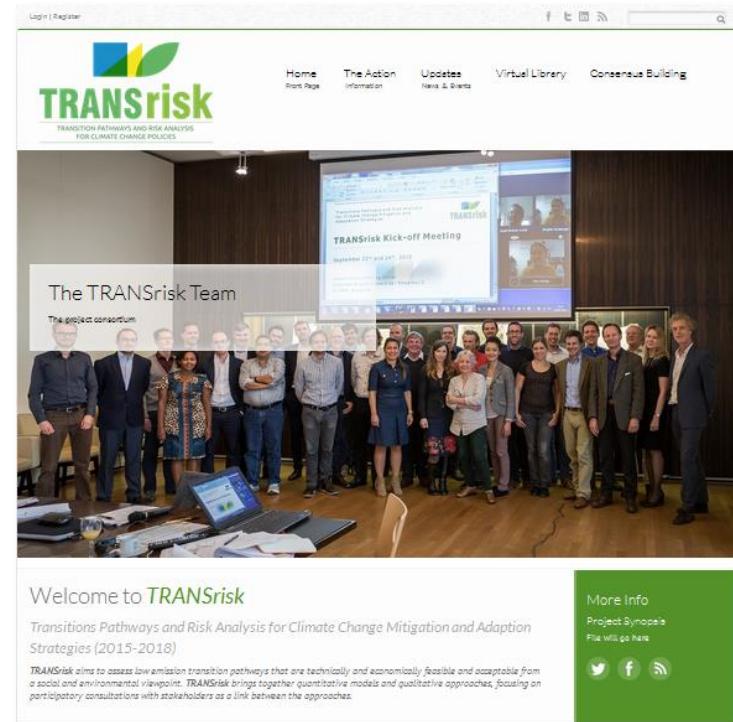
HOW TO CONTACT US (1/2)

Visit our Website:
www.transrisk-project.eu/

Contact e-mail:
info@transrisk-project.eu
contact@transrisk-project.eu

Like us on Facebook:
www.facebook.com/transriskEU

Follow us on Twitter:
twitter.com/TRANSrisk_EU



HOW TO CONTACT US (2 / 2)

Principal Investigator (SPRU)

Prof. Gordon MacKerron,
Scientific Coordinator
Gordon.Mackerron@sussex.ac.uk

Dr Jenny Lieu
j.lieu@sussex.ac.uk
transrisk@sussex.ac.uk

Website: www.sussex.ac.uk/spru/



Dissemination Leader (UPRC)

Ass. Prof. Alexandros Flamos
aflamos@unipi.gr

Contact Person (UPRC)

Dr Chara Karakosta
chakara@unipi.gr

Website: www.kep.unipi.gr/



Thank you!

