

UNCHAIN

Unpacking climate impact chains –
a new generation of climate change risk assessments

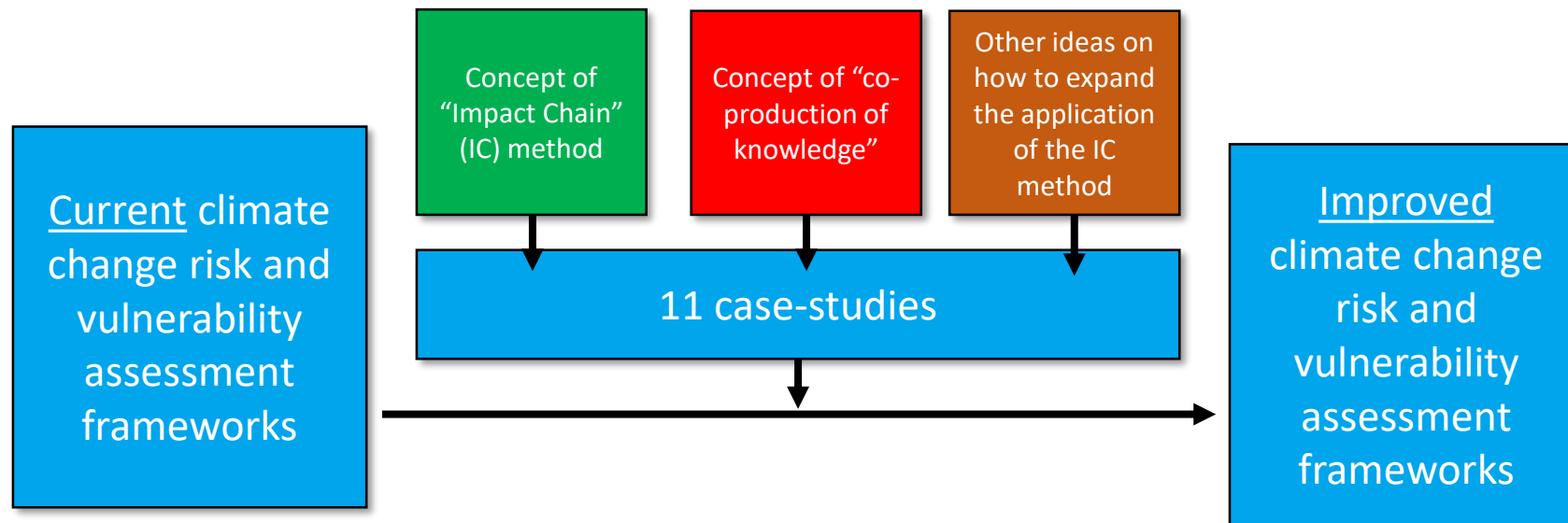
Brussels, BE
5-6 November 2019

Partners and their role

A project led by **WNRI** and **Ramboll** together with 8 organizations across Europe



The overall objective of UNCHAIN is to improve climate change risk assessment frameworks aimed at informed decision-making and climate change adaptation action. The research approach is based on the recent concepts of "Impact Chain" (IC) and "co-production of knowledge".



Research topics and innovations

- **Societal transformation**
 - As opposite to ‘adjustments of society’, implying “(t)he altering of fundamental attributes of a system (including value systems; regulatory, legislative, or bureaucratic regimes; financial institutions; and technological or biological systems)” (IPCC, 2012:4)
- **Co-production of knowledge (CPK)**
 - Systematically integrate CPK into Impact Chain modelling to better account for different views on desirable and equitable climate resilient futures
- **Societal change**
 - Accepting that CC adaptation needs to go beyond projections from deterministic or probabilistic climate models, and must include also scenarios for social, economic and political development (Moss et al, 2010)
- **Climate uncertainty**
 - Rader than trying to ‘master’ uncertainty, develop ways to better 'manage' it (Schneider and Kuntz-Duriseti, 2002)
- **Cross-border climate risks**
 - Expanding the logic of Impact Chain to include also ‘imported’ (from other countries) climate risks (Benzie et al, 2016)
- **Linking mitigation and adaptation**
 - As both mitigation and adaptation efforts are expected to gradually become more substantial, it is reasonable to expect that negative interaction between the two streams of action will increasingly occur (Santarius et al, 2016)

User involvement and interaction

Case studies

Co-production of knowledge with stakeholders

Existing IC



Yes



No

Colour Scale



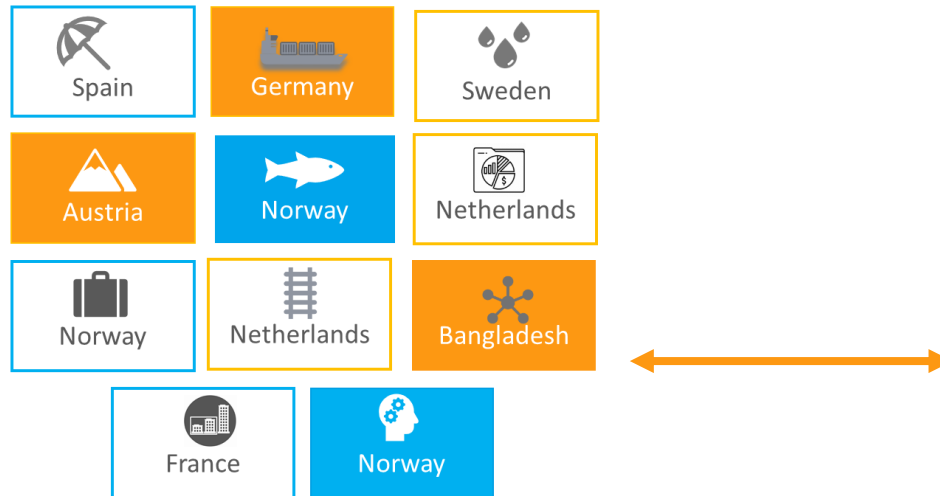
Local or regional case



National or multi-level case



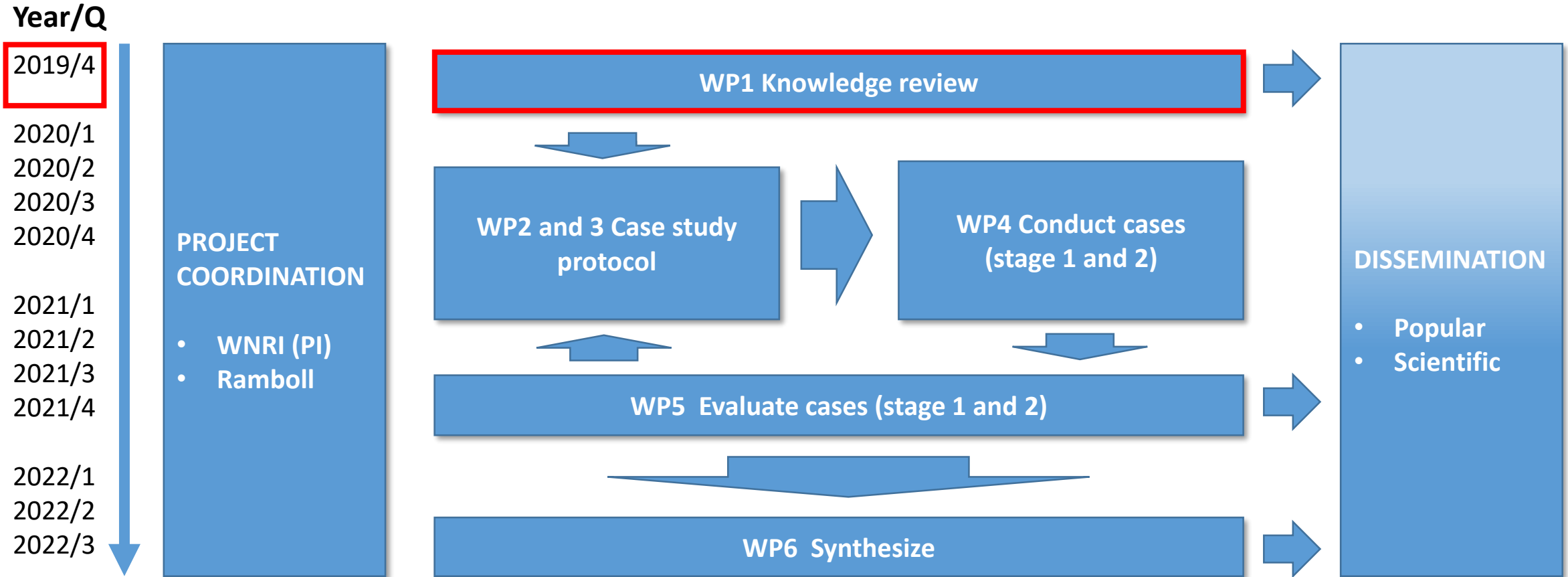
Spain Sector and country



International reference group

Expertise







THANK YOU

- Any questions?

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