

ENOUGH

EUROPEAN FOOD CHAIN SUPPLY
TO REDUCE GHG EMISSIONS BY 2050



ENOUGH Webinar
1 December 2022



Introduction of ENOUGH: reducing GHG emissions in the food value chain

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SINTEF Ocean

Welcome!

- Teams meeting instructions

Chat function

Comment, ask questions, add information

Raise your hand

...if you would like to raise a question orally

Camera

Turn on your camera when you are speaking

Applaud, thumbs up...

... to acknowledge the presenters for their work and their presentations

Mute

Mute your microphone when you're not speaking

Recording

This webinar will be recorded
Presentations will also be shared

UN Sustainable development goals – Report 2022



<https://dashboards.sdindex.org/map>



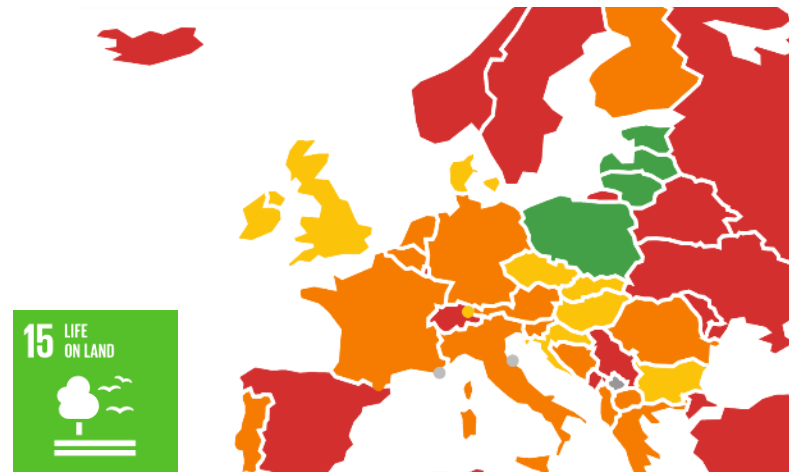
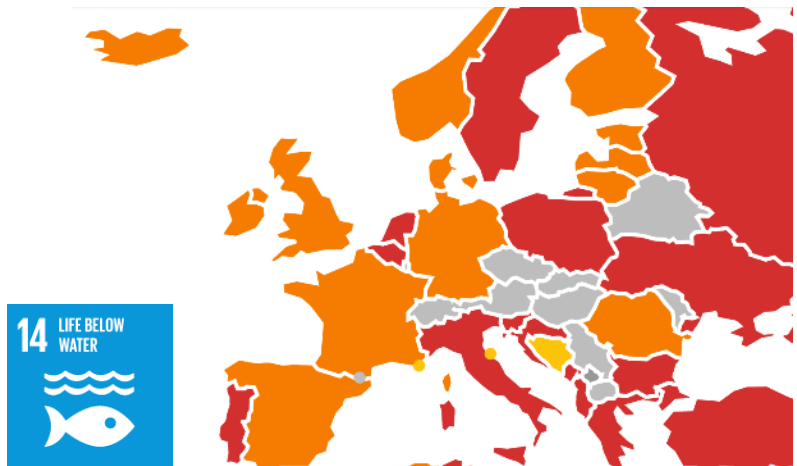
UN Sustainable development goals - Ratings

Legend

Click on a country to see its performance.

- SDG achieved
- Challenges remain
- Significant challenges remain
- Major challenges remain
- Information unavailable

dashboards.sdindex.org/map/



all these are
related to
the food
value chain

About the project:



- 4 years (started 1 Oct 2021)
- 30 partners from 12 countries
 - SINTEF Ocean coordinates



**Funded by
the European Union**





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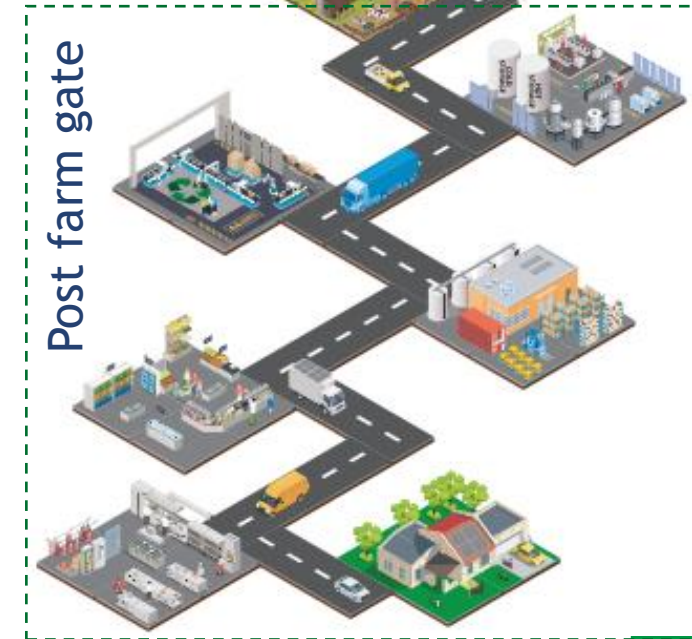
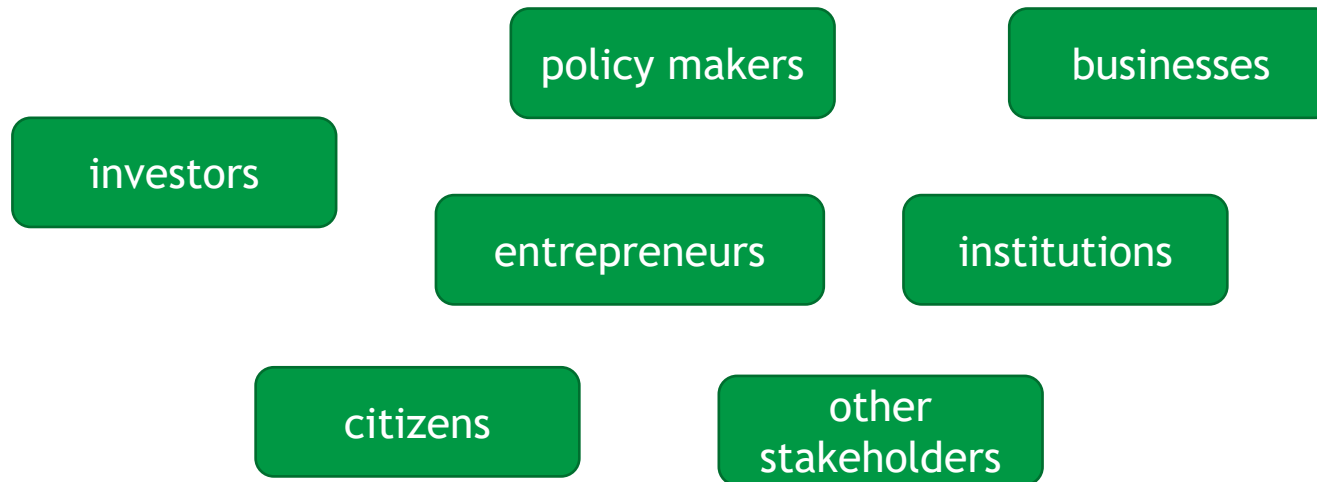
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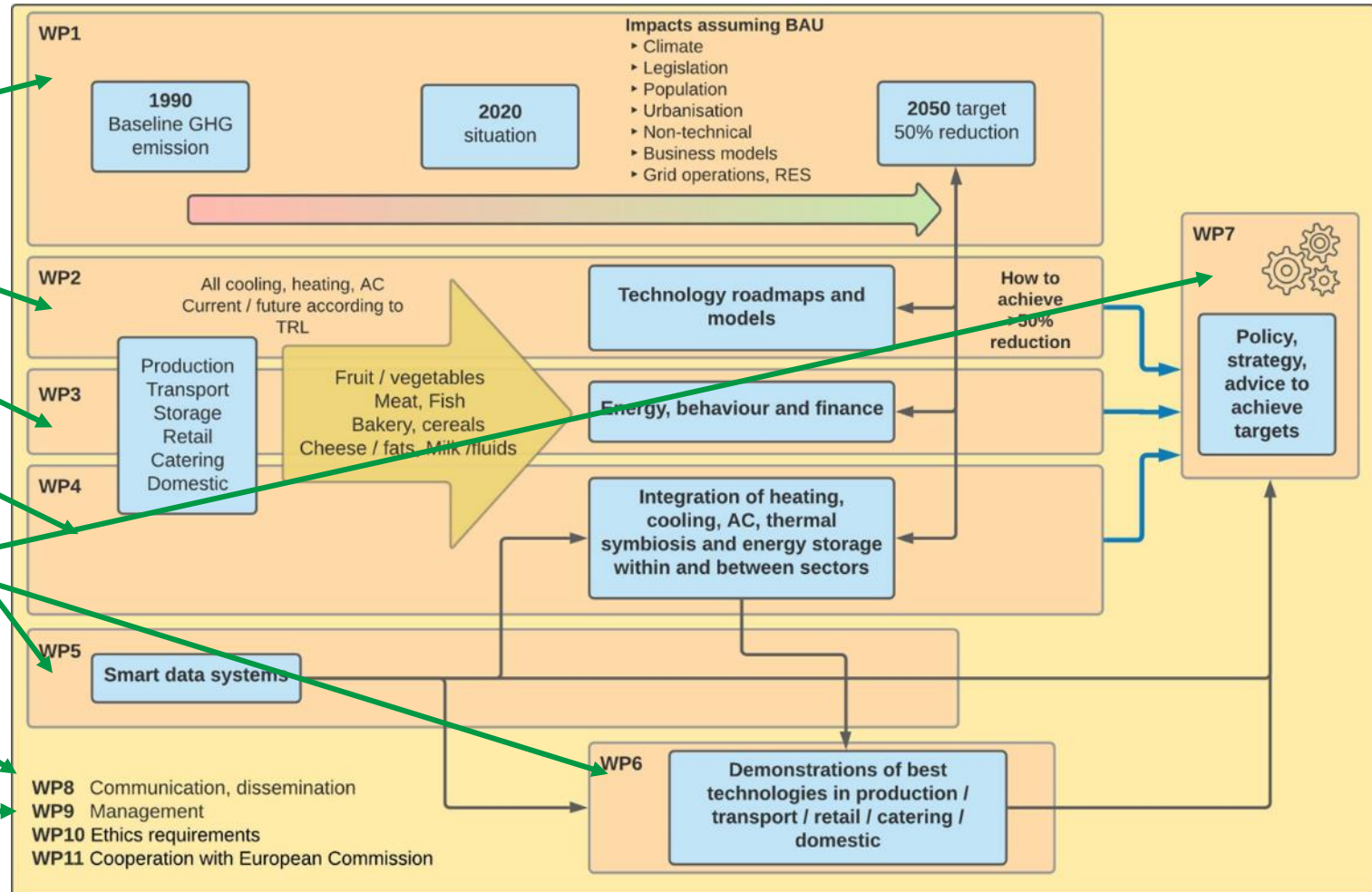
ENOUGH Project Goals

- EU Farm to Fork strategy:
 - Reduce GHG emissions by at least 50% by 2050 (1990 level)
 - Identify how to achieve climate neutrality for food businesses
 - Improve integrated sustainability and meet societal goals
 - Increase awareness



ENOUGH overview: WPs and activities

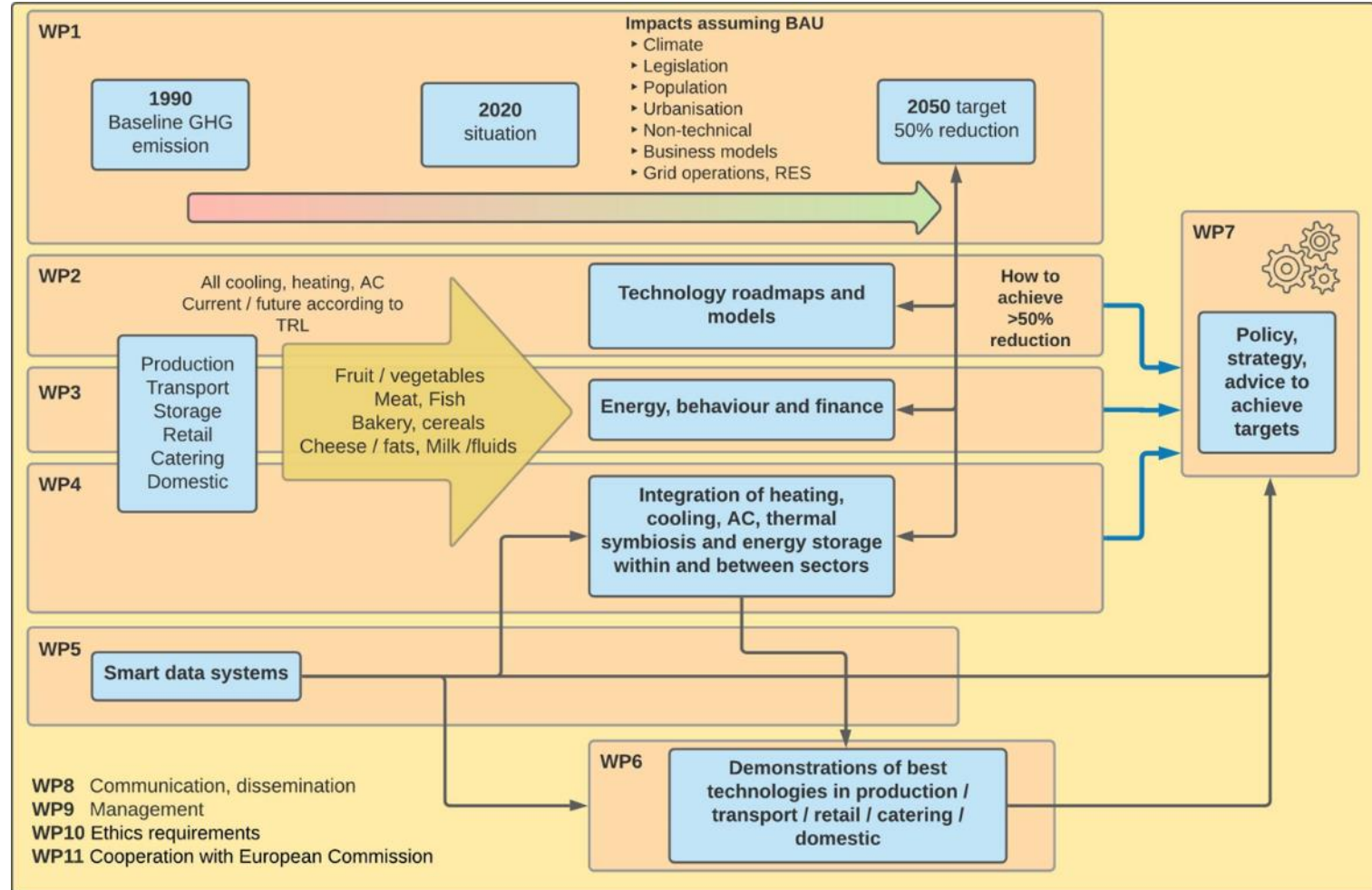
- Mapping and predictions of GHG emissions
- Technology roadmaps and models
- Behavior and finance
- Calculation tools and smart data systems
- Demonstrators
- Policy and strategy
- Communication and dissemination
- Management, ethics and cooperation



ENOUGH overview: WPs and activities

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Food sector highly diverse



ENOUGH: highlights and results

Start	Title	Presenter
12:30	ENOUGH: reducing GHG emissions in the food value chain	Kristina N. Widell (SINTEF Ocean)
12:45	ENOUGH methodology to estimate 2050 emissions from the European food supply chain	Yosr Allouche (IIR) Hameed Al-Muhammedawi, Xinfang Wang, (UoB)
13:15	The road to 2050 and net zero emissions, the role of roadmaps	Alan Foster (LSBU)
13:30	Non-technical aspects to reduce emissions from farm gate to plate	Xinfang Wang (UoB)
13:45	Demonstrating the ENOUGH calculation tool	Graciela Alvarez, Denis Leducq (INRAE)
14:00	Break	
14:15	The Smart Data System: digital interoperability and trust in food supply chains	Massimiliano Pirani (UNIVPM)
14:30	Overview demonstrators - what has been done the first year and further plans	Silvia Minetto (CNR)
14:45	Demo 3: Application of a high-temperature heat pump for waste heat utilization	Philipp Wagner (TU Graz)
15:00	Policy brief and report on national policies	Inmaculada Martínez Zarzoso (UoG)
15:15	Collaboration with sister projects in EU	Kristina N. Widell (SINTEF Ocean)

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THANK YOU !

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