Impact in Horizon Europe

BE NCPs

Training Session

15 October 2024

The EU Framework Programme and its impact logic

From policy ambition to successful application

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European Commission

HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

Exclusive focus on defence research & development

Research actions

Development actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications

Pillar I
EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures

Pillar II
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre

Pillar III
INNOVATIVE EUROPE

European Innovation Council

European Innovation Ecosystems

European Institute of Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

Fusion

Fission

Joint Research Center

* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

European Commission

Horizon Europe legislation defines three types of impact tracked through Key Impact Pathways

1. Creating high-quality new knowledge
2. Strengthening human capital in R&I
3. Fostering diffusion of knowledge and Open Science

Scientific Impact

4. Addressing EU policy priorities & global challenges through R&I
5. Delivering benefits & impact via R&I missions
6. Strengthening the uptake of R&I in society

Societal Impact

7. Generating innovation-based growth
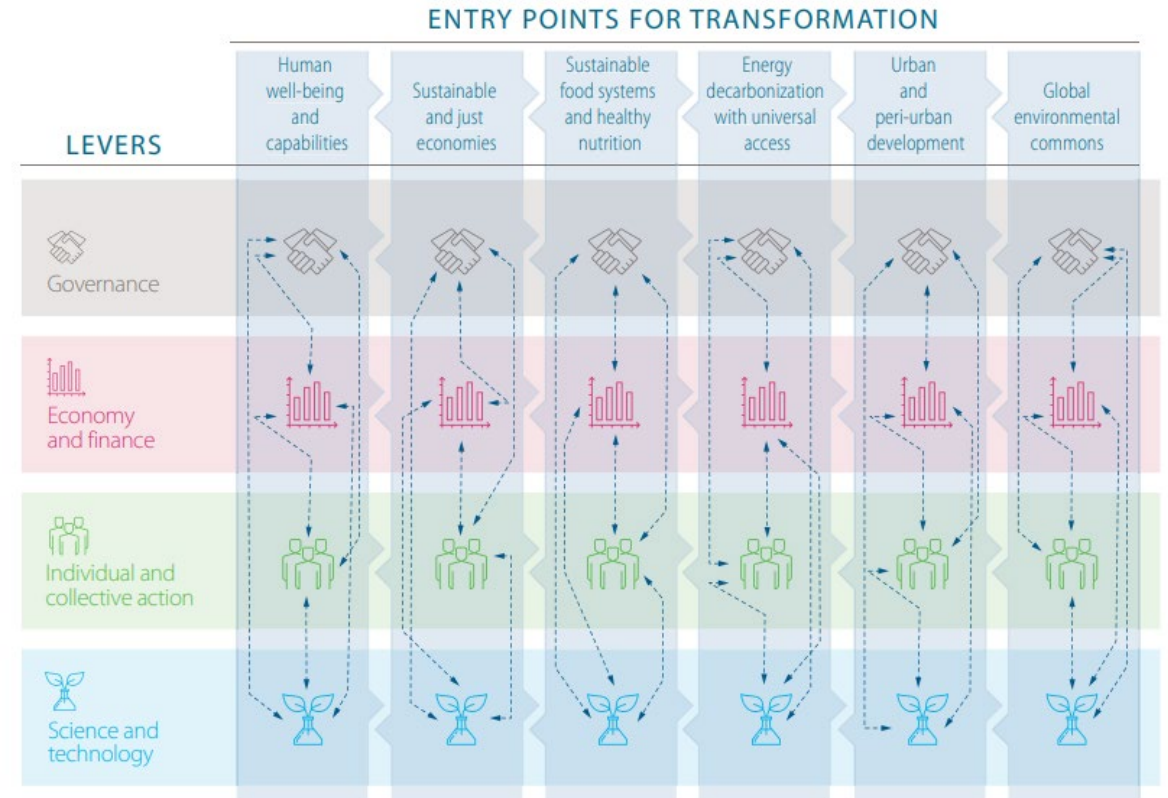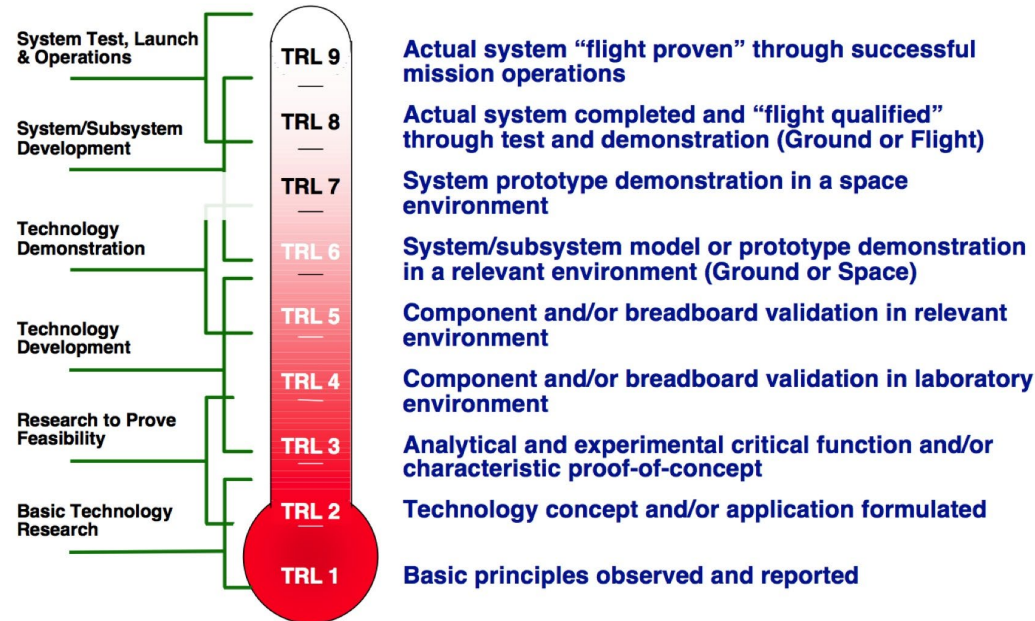8. Creating more and better jobs
9. Leveraging investments in R&I

Economic Impact

European Commission

How do we imagine societal impact to realise ?

NASA/DOD **Technology** Readiness Level

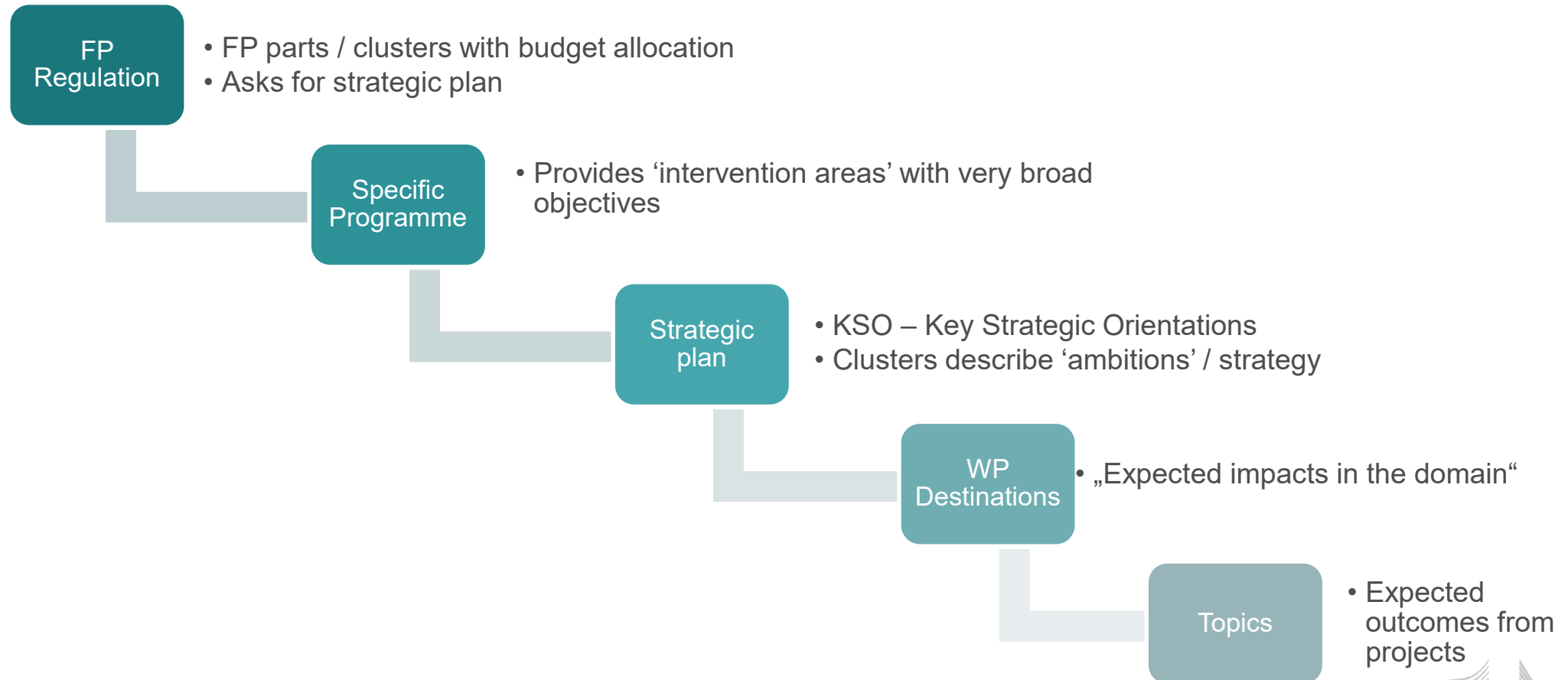| Stage	Level	Description
System Test, Launch & Operations	TRL 9	Actual system "flight proven" through successful mission operations
System/Subsystem Development	TRL 8	Actual system completed and "flight qualified" through test and demonstration (Ground or Flight)
	TRL 7	System prototype demonstration in a space environment
Technology Demonstration	TRL 6	System/subsystem model or prototype demonstration in a relevant environment (Ground or Space)
Technology Development	TRL 5	Component and/or breadboard validation in relevant environment
	TRL 4	Component and/or breadboard validation in laboratory environment
Research to Prove Feasibility	TRL 3	Analytical and experimental critical function and/or characteristic proof-of-concept
Basic Technology Research	TRL 2	Technology concept and/or application formulated
	TRL 1	Basic principles observed and reported

ENTRY POINTS FOR TRANSFORMATION

Source : The future is now – report to UNGA
https://sustainabledevelopment.un.org/content/documents/24797GSDR_report_2019.pdf

Societal transformative innovation processes do not follow the logic of TRLs and are not restricted to product / service innovation (-> economic impact): There are more stakeholders interacting, innovation in governance, by community action (civil society) etc.
-> How do we identify and formulate 'needs' and 'opportunities'?

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The societal ‚impact logic' from ‚specific programme' to topic

FP Regulation
- FP parts / clusters with budget allocation
- Asks for strategic plan

Specific Programme
- Provides 'intervention areas' with very broad objectives

Strategic plan
- KSO – Key Strategic Orientations
- Clusters describe 'ambitions' / strategy

WP Destinations
- „Expected impacts in the domain"

Topics
- Expected outcomes from projects

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Some well formulated „Topic–Outcomes"

For „Research and Innovation Action"

Policy-makers are provided with proposals for revised indoor air quality standards for the main determinants identified to support regulatory measures and improve regulatory monitoring.

For „Innovation Action"

European security practitioners benefit from better, modern and validated tools and training curricula on the use of travel intelligence to prevent, detect and investigate terrorism and other forms of serious crime.

European Commission

Some hidden elements

Prescriptiveness & bottom-up nature

- The outcome is derived from the expected impact as part of a larger portfolio of outcomes
- The **outcome statement does rarely define outputs or methods** to be used
- It is therefore **not prescriptive**
- Topics based on 'stakeholder needs' can hardly be 'bottom-up' – within the topic you find many opportunities for SSH

Exploitation & dissemination

- The outcome statement mentions the stakeholder group that would benefit
- That is an invitation to include this group
- Breaks with traditional 'dissemination and exploitation' – i.e. first produce the output and look then ('after the project'?) for its 'usability'

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Some challenges to reach 'impact'

Unreached Stakeholder

Restricted roles of established Stakeholder
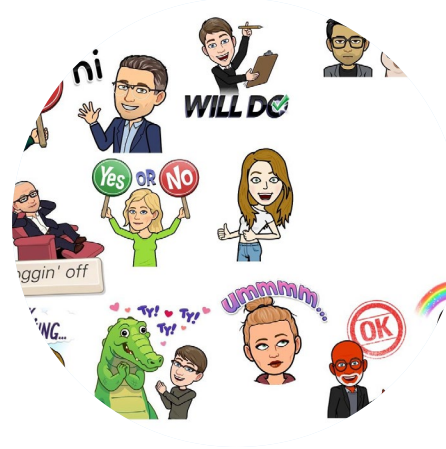
‚Multi-level Governance' of societal transformation

European dimension in / from, local community innovation'

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Thank you

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How can we NCP help you?

5 centralised NCP systems in Belgium providing free services

National Contact Points

Supporting you all along your journey to Horizon Europe

Your assigned NCPs

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30 km

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National Contact Points

NCP Federal BE

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NCP Coordinator

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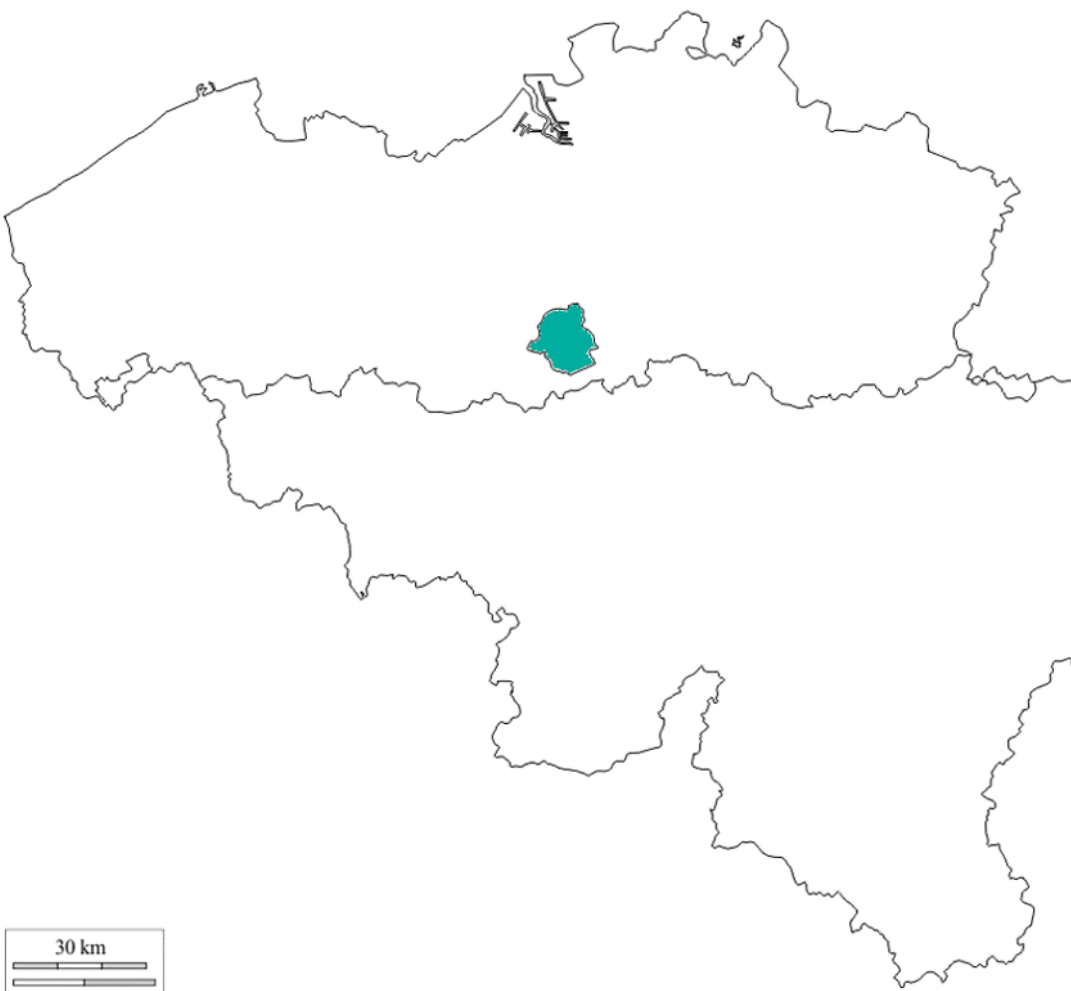
National Contact Points

NCP Brussels — Brussels-based stakeholders

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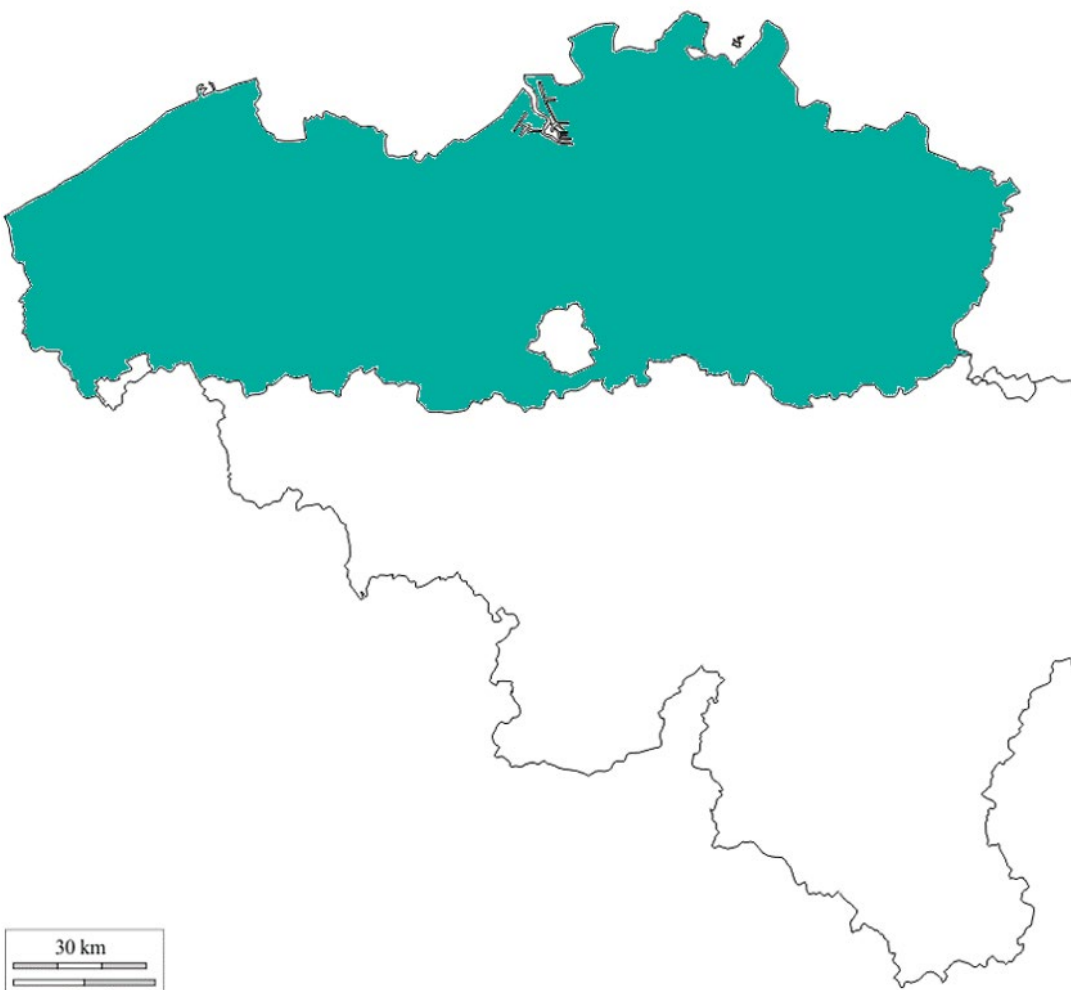
National Contact Points

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National Contact Points

NCP Wallonie   Wallonie stakeholders

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NCP Coordinator

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Impact of today's training

Challenge

Project

Results

Outcomes

Impact

What is the main underlying challenge?

→ Writing the impact section is challenging for a lot of people.

How can we solve this as NCPs?

→ We should train our participants to help them tackle the impact section.

What do we need to do to solve this?

→ We need to prepare a workshop (find speakers, make a presentation, invite people, …).

What do we want you to take back home?

→ Understand the impact logic of the Commission & use the tools at your disposal.

What is the expected impact of today?

→ All of your future project to be accepted and solve our societal challenges!

Thank You for your participation

Your assigned NCPs

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