



# Cooperation Fair 2016

S.O. 1.2: Increase the delivery of innovation in smart specialisation sectors



# Objectives of the session

- Detail what the Programme wants to achieve in this S.O.
- Elaborate how your project can contribute to that result

# Organisation of the session:

- I. What we want to tell you:
  1. Results MS seek to achieve
  2. Result oriented = measurability
  3. Type of actions
  4. Target groups
  5. Some points of attention
- II. And now: a practical exercise!



# I. What we want to tell you



# 1. Result the MS seek to achieve

Enhance the **delivery** of innovation in line with smart specialisation strategies.

# Delivery of Innovation

“Innovation refers to the creation of **new or significantly improved** [technologies, products and services] that **add value** to markets, governments and society.” (Innovation Union, a pocket guide. 2013.)

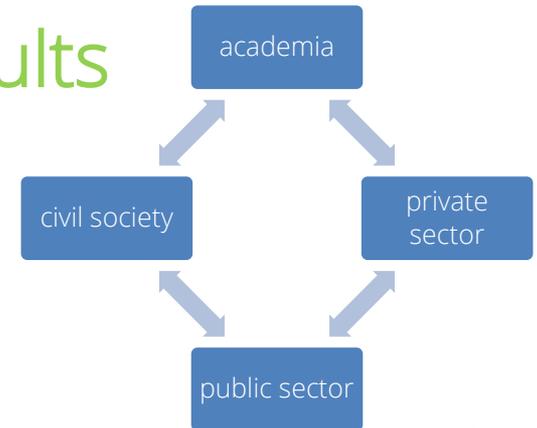
# Exploitation of research outcomes

What is the programme expecting?

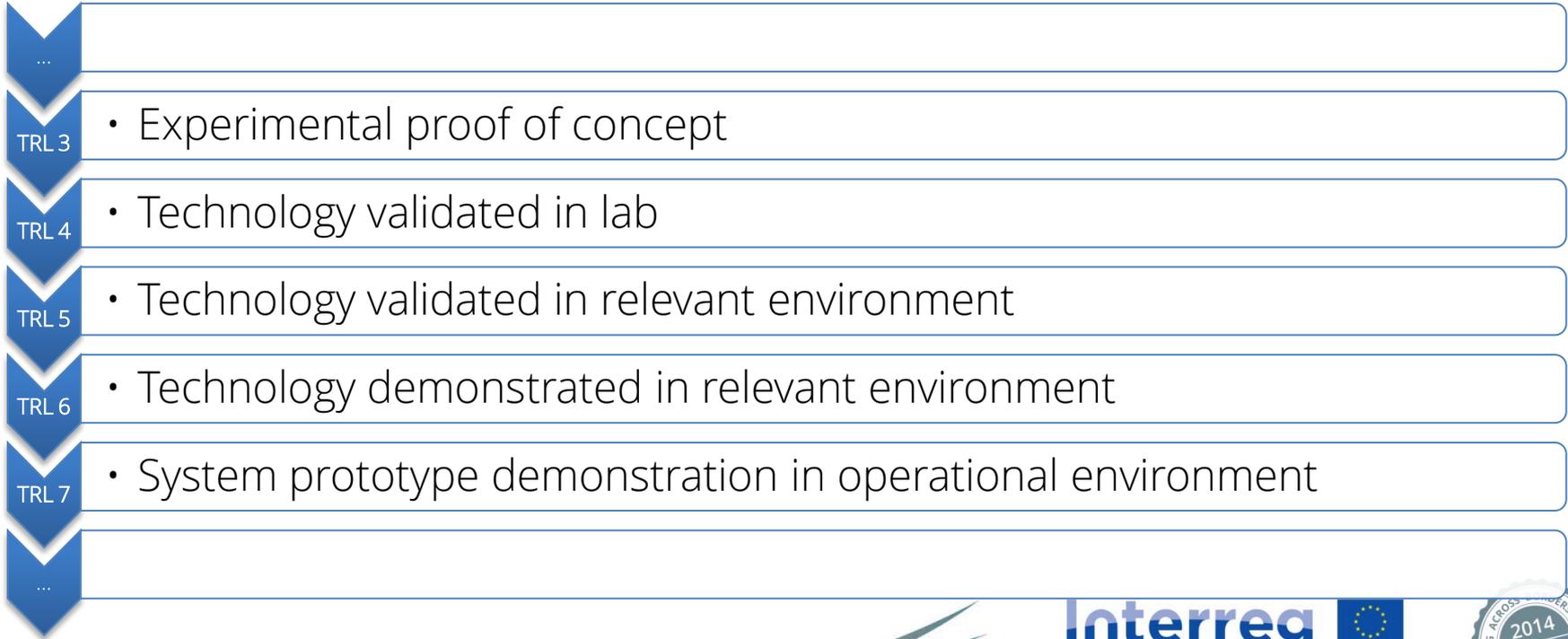
≠ (basic) research

= enhancing the use of research results

- ✚ technology transfer/uptake by SMEs
- ✚ testing and developing pilot actions
- ✚ cooperation between key innovation stakeholders



# Exploitation of research outcomes



Research  
outcomes



Framework conditions

- Joint policy action plans
- Joint structures
- Networks

Innovation

- Technologies
- Products
- Services



Framework conditions  
for innovation

SO1.1

Improve  
framework  
conditions for  
delivering  
innovation



Technological  
innovation

SO1.2

Enhance the  
delivery of  
innovation



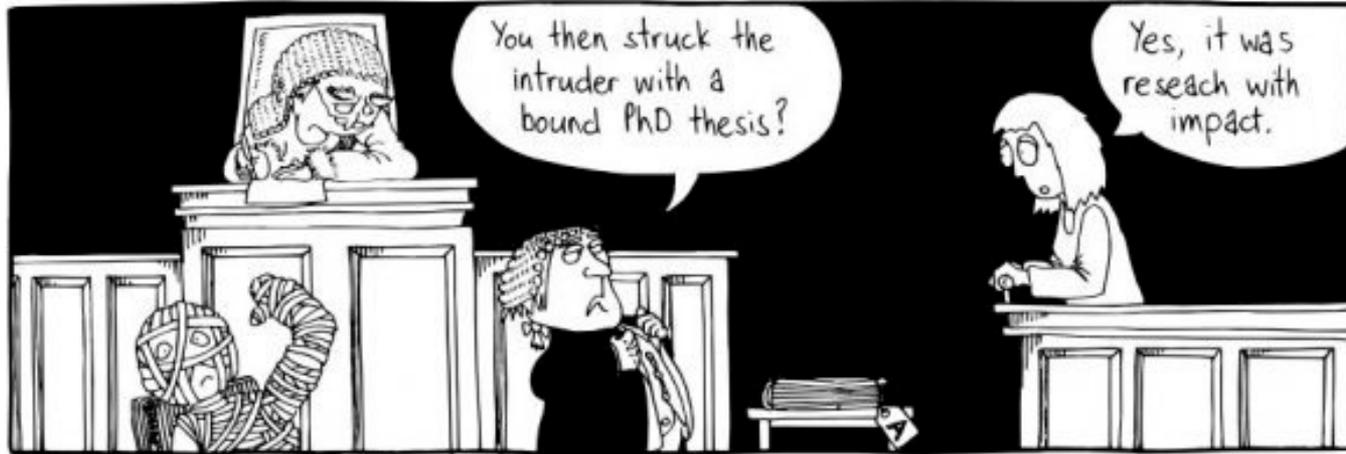
Low-carbon  
technologies

SO2.1

Increase the  
adoption of low-  
carbon  
technologies



# Impact on key sectors



technologies, products or services to which a **credible and measurable** improvement to the current state of the art can be attributed

# Smart Specialisation Strategies

- Transport & ports
- Digital & marine technologies
- Agro-food
- Life sciences & health
- Communication, digital & creative industries
- Manufacturing
- ...

<http://s3platform.jrc.ec.europa.eu/>

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## 2. Result-oriented = measurability

ID	Output indicator	Target value
OI 1.2.1	Number of tests, pilots, demonstration actions and feasibility studies implemented related to the delivery of technological innovation	74
OI 1.2.2	Number of small scale physical or e-infrastructures/equipments related to the delivery of technological innovation partly or entirely supported by the operations	43

# Output Indicator 1.2.1

Tests, pilots, demonstration actions carried out **in a cross-border context** on products, services, processes, etc. developed through technological innovation.

Early validation actions, feasibility studies, product market launch phases etc. which pave the way to the **wide-scale implementation** of project operations

# Output Indicator 1.2.2

(e)-infrastructures and equipments related to the increase in the delivery of technological innovation...

...related to **implementation of the pilot or demonstration phase** of operations...

...or to the **final delivery of operations** for an improved situation at cross-border scale

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# 3. Type of actions to be supported

Development

Prepare investment

Investment

# Development

## Type of action in the CP

Technological and applied research based on application/use of Key Enabling Technologies (KETs)

Early product validation actions based on application/use of KETs

Demonstration projects and pilots testing innovative technologies, products etc. particularly by SMEs

## Applied to a concrete proposal

- Demonstration of new type of electric vehicle in simulated environment
- Benchmarking studies / comparative study of application of different technologies
- Pilot tests for technologies in lab/relevant environment

# Prepare investment

## Type of action in the CP

For the joint economic exploitation of new ideas of products, services and processes

## Applied to a concrete proposal

- Feasibility/technical study
- Roadmap for development of new type of EV

# Investment

## Example of action in the CP

In small-scale (e)-infrastructure related to technological innovation deriving from a preparation stage jointly designed and carried out by cross-border partnerships

## Applied to a concrete proposal

- Test rig
- Prototype of electric vehicle
- Water treatment testing facility

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# 4. Who? Our target groups

- Local, regional and national authorities and their affiliated bodies
- Universities and research centres
- SMEs and organisations representing SMEs
- Social enterprises and non-for-profit organisations
- Incubators and cluster organisations
- Innovation agencies, intermediary bodies in charge of innovation and economic development
- Regional development agencies and Chambers of Commerce
- Business support centres and agencies, technology intermediary and technology/knowledge transfer institutions

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# 5. Some points of attention

Explain the **state of the art** and describe how your project will progress beyond it.

You will better exploit research outcomes, so include **scientific references/sources!**

No basic research.

Explain why you applied for Interreg and not H2020 for example.



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## II. And now: a practical exercise!



# Delivery of innovation



Currently, the main treatment process for surface water comprises low technology solutions: coagulation, flocculation and sedimentation. This project aims to develop highly innovative treatments, such as integration of pioneering ceramic membrane technology with novel Ion Exchange concepts.



We would develop innovation in following KET: M2M Device for Healthcare Applications, M2M Device for Personal and Public Security , Green Wireless Systems Solutions, ...

# Smart specialisation strategies



'The project is situated in the Europe 2020 targets, and more specifically in the priority "smart growth" and "sustainable growth".'



'Through the development of new drugs and biological or instrumental medical devices, the project will play an important role in reaching the objectives of the strategic focus area "Food and Health" of the Smart Specialization Strategy pharmacy, biotechnology and medical technology axes of the France North region.'

# Types of actions & outputs

Type of action	Produced output	Specific result
Development and testing of new ceramic membranes in pilot water plant environment	Prototype of new ceramic membrane	Improved water quality through reduction of DOC levels by 50%
Green sources energy charging system	Green sources energy charging/discharging for EVs	Increased use of EVs



# Partnership



Partner	MS	Typology
Technical University of Delft	NL	Higher education and research
ImaBiotech	FR	SME
VOKA Chamber of Commerce	BE/FL	Business support organisation
Norfolk County Council	UK	Regional public authority
Test-Aankoop	BE/FL	Interest groups including NGOs

# Partnership



Partner	MS	Typology
University of Antwerp	BE/FL	Higher education and research
Université des sciences et technologie	FR	Higher education and research
University of Ghent	BE/FL	Higher education and research
University of Leuven	BE/FL	Higher education and research



Thank you for your attention

