



Rijkswaterstaat
*Ministry of Infrastructure
and Water Management*

Infrastructure Research Funding on a European Level

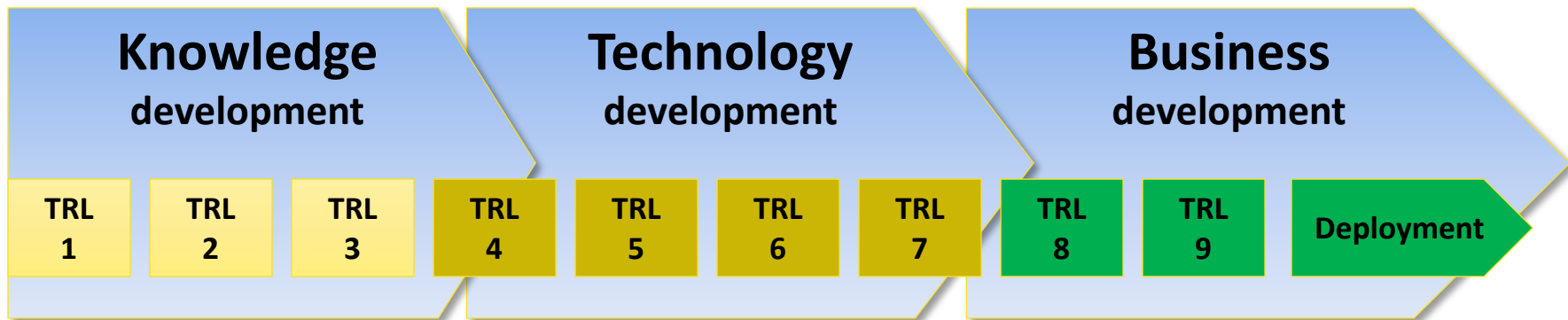
- Focus in Research
- Vision on pilots and test beds
- Implementation of research results

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Understanding 'Research'

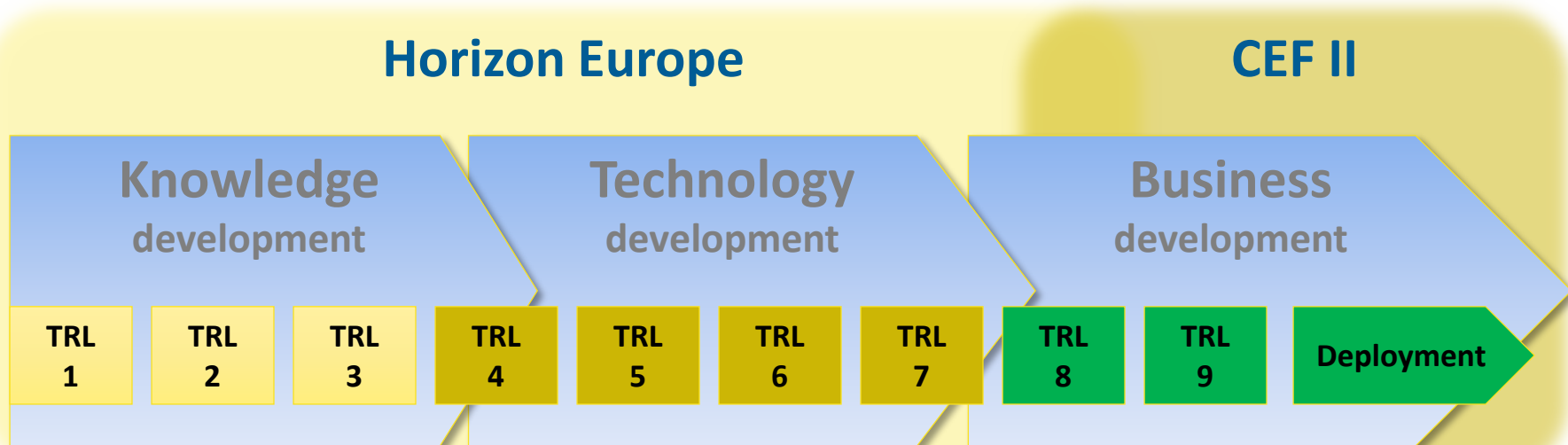


➤ **Business development = key (Return on Investment)**

➤ **= *Involvement/commitment of implementing client***



Understanding the MFF (2021-2028)



➤ CEF to support follow-up from Horizon Europe

"Strong synergies with other Union programmes will be built in, notably to promote faster dissemination and uptake of research and innovation results."



European funding = collaboration & compliance

- **At least 3 countries; 5 is better**
 - Mind your geographical spread
- **Go for excellent only**
- **Build from a vision on implementation and deployment**
 - Explain in context of expected impacts
 - Get support from implementing client(s)
- **Anticipate on upcoming calls**



European funding = collaboration #2

Tell about your plans!

- **Tell the European Commission**
 - They are allways open for business
- **Tell your Management/Ministry**
 - It is the hardest lobby!
- **Tell your key Stakeholders**
- **Tell your Perm Rep**



Future focus for funding: Horizon Europe

Pillars:

- **Open Science**
- **Global Challenges and Industrial Competitiveness**
 - Health
 - Inclusive and Secure Society
 - **Digital and Industry**
 - **Climate, Energy and Mobility**
 - Food and Natural Resources
- **Mission-oriented approach**



Future focus for funding: Horizon Europe #2

- **Cluster: Digital and Industry**
 - Manufacturing Technologies
 - Digital Technologies
 - Advanced Materials
 - Artificial Intelligence and Robotics
 - Next Generation Internet
 - High Performance Computing and Big Data
 - Circular Industries
 - Low-Carbon and Clean Industry
 - Space



Future focus for funding: Horizon Europe #2

- **Cluster: Climate, Energy and Mobility**
 - Climate Science and Solutions
 - Energy Supply
 - Energy Systems and Grids
 - Buildings and Industrial Facilities in Energy Transition
 - Communities and Cities
 - Industrial Competitiveness in Transport
 - Clean Transport and Mobility
 - Smart Mobility
 - Energy Storage



Vision on test beds, pilots, ...

Essential step in driving viable solutions, but ...

- **Build up the scales across Europe:**
 - create constellations on TEN-T (relates to CEF funding)
- **Examples of similar test tracks:**
 - AURORA
 - C-ITS
 - Intercor



Vision on test beds, pilots, ... #2

Essential step in driving viable solutions, but ...

- **Implementation and deployment is largely about people**
 - Overcome perceived barriers
 - Build the dialogue with experts AND management
 - Sustain that dialogue



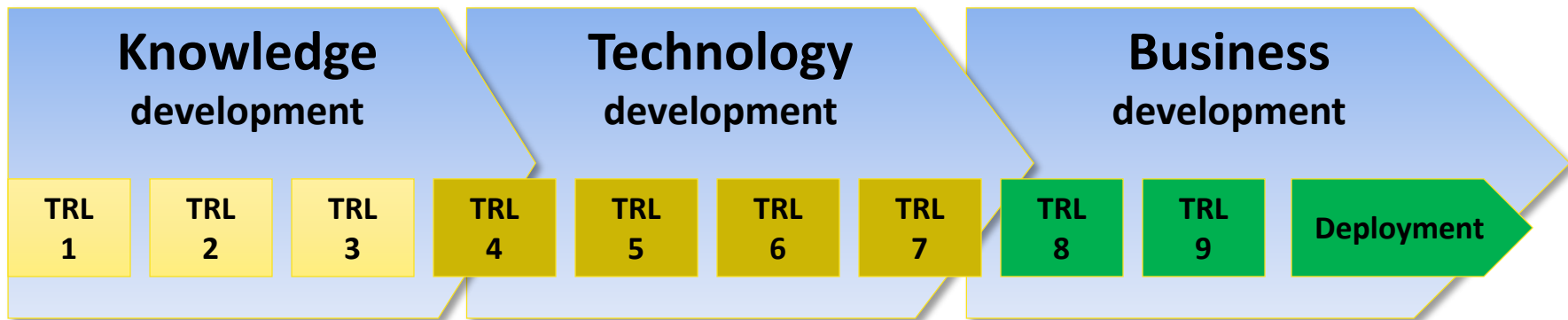
Vision on test beds, pilots, ... #3

Consider building a learning environment

- **AM4INFRA project ...**
 - common approach for asset management on transport infrastructures
- **... Three living labs**
 - **E34 (NL-BE/FL)** - Line of Sight “from Minister to Market”
 - **M4/M25 (UK)** - Whole Life Cycle and Risk Based methods and models
 - **A90 (Rome)** – Data/information management structures



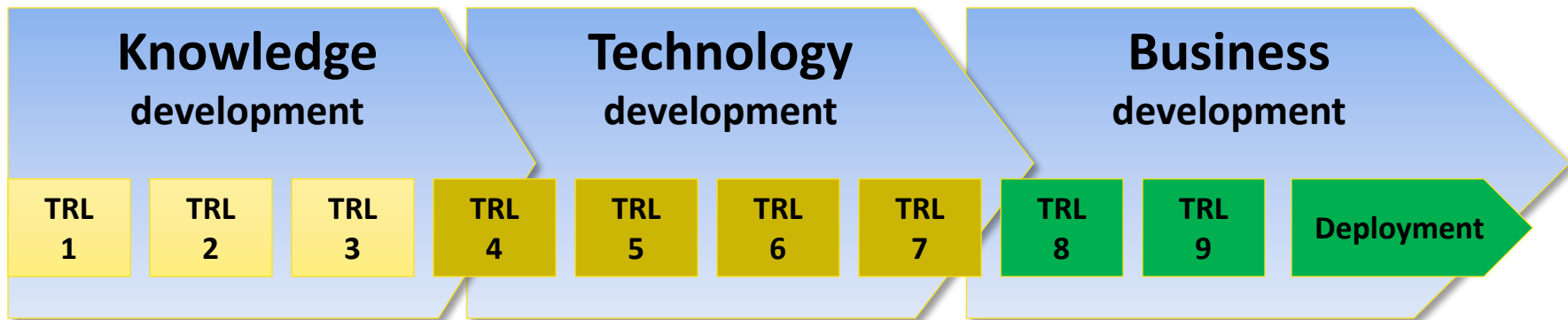
Implementation of research results



- ***Involvement/commitment of implementing client = key***
 - Early in the process
 - Based on a clear value proposition/business case



Implementation of research results #2



- **Implement a systematic reviewing process**
 - Reference is value proposition to end-user (business case)
 - Apply clear criteria and make them known
 - Be able to kill your own darlings



Summarising

- A lot of excellent research was presented today
- Plenty of EU funding opportunities/Fierce competition
 - Build dominating partnerships across EU
 - Keep the business case in mind (expected impacts)
- Involve/commit the implementing client/co-funder
 - Implementation is also about people
 - Tell about it, and keep doing that
- Co-funder: manage your research investment portfolio



Thank you!