



The European Trends on Climate Services – Setting the scene

The development of a market for Climate Services

Climate Services

A Roadmap on Climate Services

<http://bookshop.europa.eu/en/a-european-research-and-innovation-roadmap-for-climate-services-pbKI0614177/>

The transformation of climate-related data – together with other relevant information – into customised products such as projections, forecasts, information, trends, economic analyses, assessments (including technology assessments), counselling on best practices, development and evaluation of solutions and any other service in relation to climate that may be of use for the society at large.



Climate change in Horizon2020

The 2014-2020 EU framework programme for research and innovation

The EU committed to spend at least **35%** of the overall 80 billion Euro budget of Horizon 2020 for Climate-related research and innovation actions

*This **includes**: physical and social sciences, climate services, energy and transport innovation, earth observation, sustainable food production and water management, etc.*

■ How to support DM for adaptation?

- Providing more informed decisions in relation to risks, opportunities and response management
- Analysing the demand side taking into account that
 - The potential is largely untapped;
 - Community and infrastructure insufficient to support development;
 - And services are primarily supply-driven and to some degree user informed
- Moving to **user-driven and science informed** services
- Enabling the growth of a "market of CS" including different domains of society (public and private sector entities)

The different compartments of climate services

Research

Private sector
– Big
companies

Private sector
– Start-ups
/SME

Public entities
– Weather
services

Public entities
–
Environmental

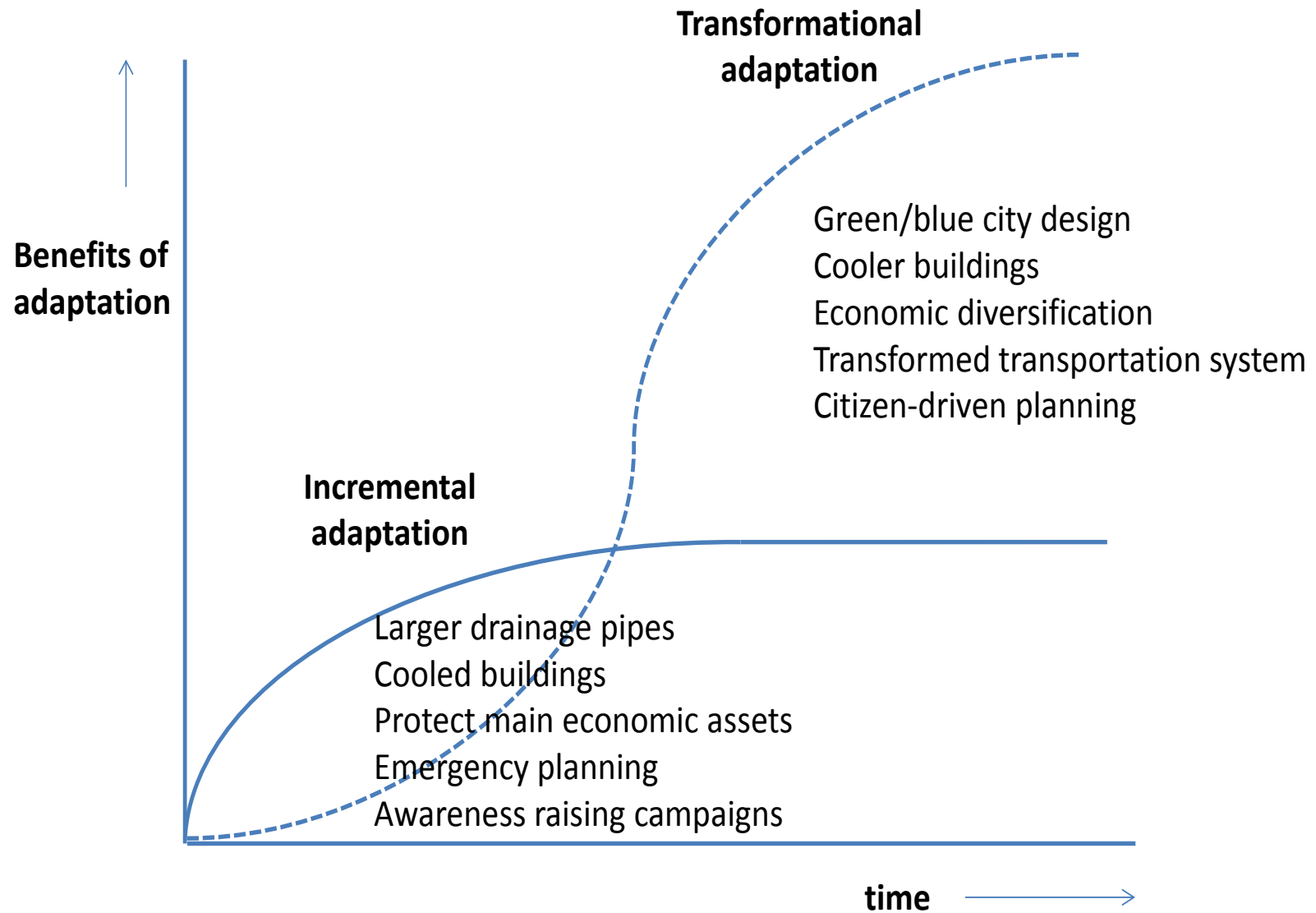
Public –
Private
entities

Sectors (water, agriculture, cities, etc)

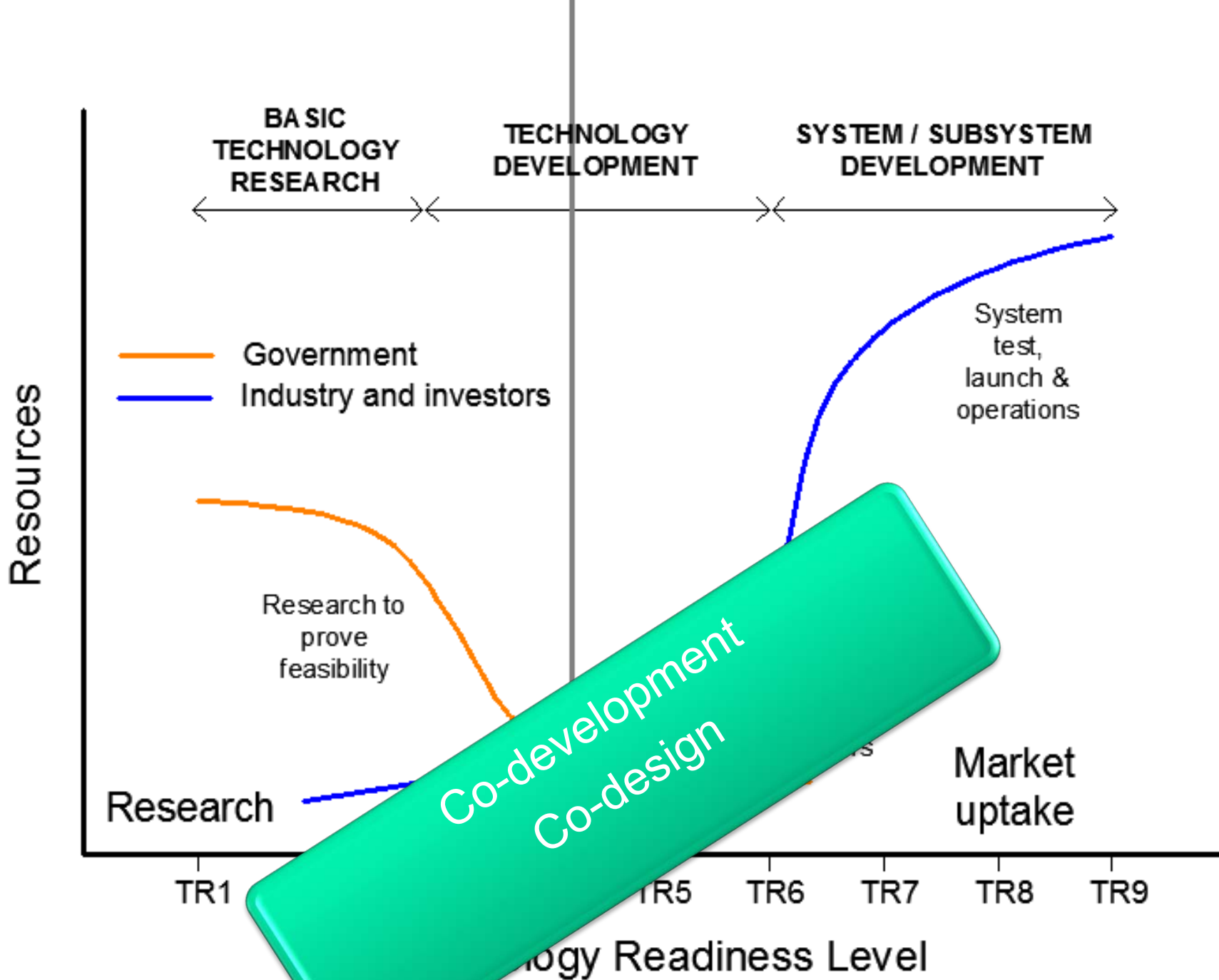
Scales (local and temporal)



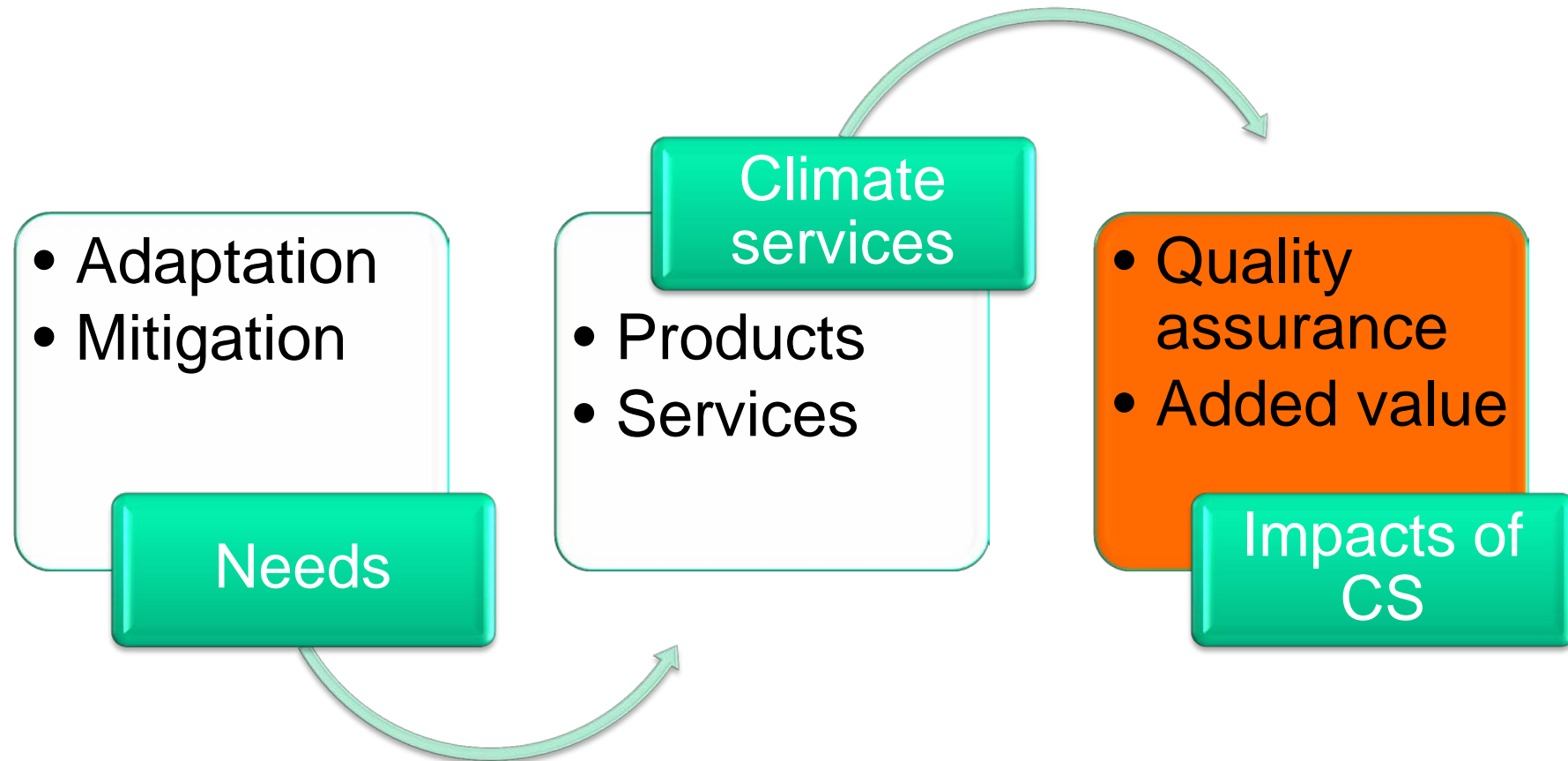
Regional priority challenges



Courtesy of Rob Swart



■ Regional priority challenges (3)



Regional Challenges - Capabilities – multidirectional influences

Sustainable

Climate Services

Capabilities

Supply

Demand

Adaptive

Robust / Resilient

- Variety of users – user driven demand (?) – time scale
- Knowledge levels (?)
- Categorisation of CS provision - Validation criteria (?)
- Quality assurance – how to measure (?)
- Provision and use of services – how to measure (?)
- Added value of CSs – how to measure (?)
- Market uptake (?)



Thanks for your attention and if any questions,
Please address them to us through the web or
in written form directly at the desk

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