



Climate-KIC

Innovating for low-carbon prosperity and
climate resilience



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Our Innovation Community and European 'interconnectivity'



- We are a network of ~110 partners across Europe
- We come together at 5 Co-locations
- We reach out across Europe via our Regional Innovation & Implementation Centres (RIC)
- We identify and respond to the challenges of Climate Change
- Our activities cross boundaries: discipline, sector, geography
- Our Community is long-lasting and integrated



Integration of *FOUR* sectors for innovation

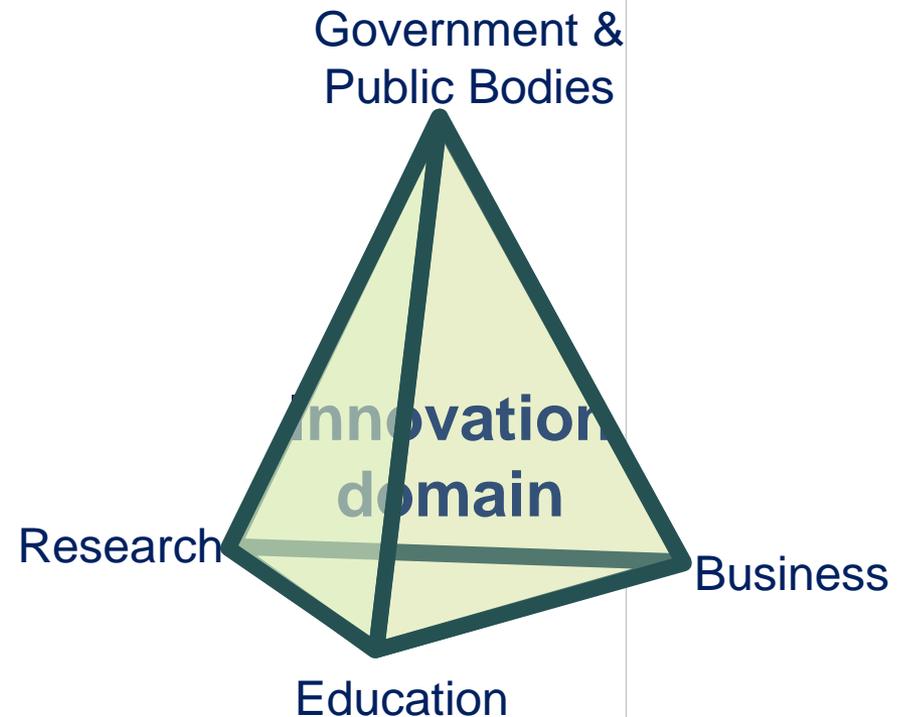


Excellence is paramount

Our partners span top:

- Universities (28)
- Research institutes (14)
- Business (29), SMEs (22)
- Regional and local government (14)
- NGOs(3)

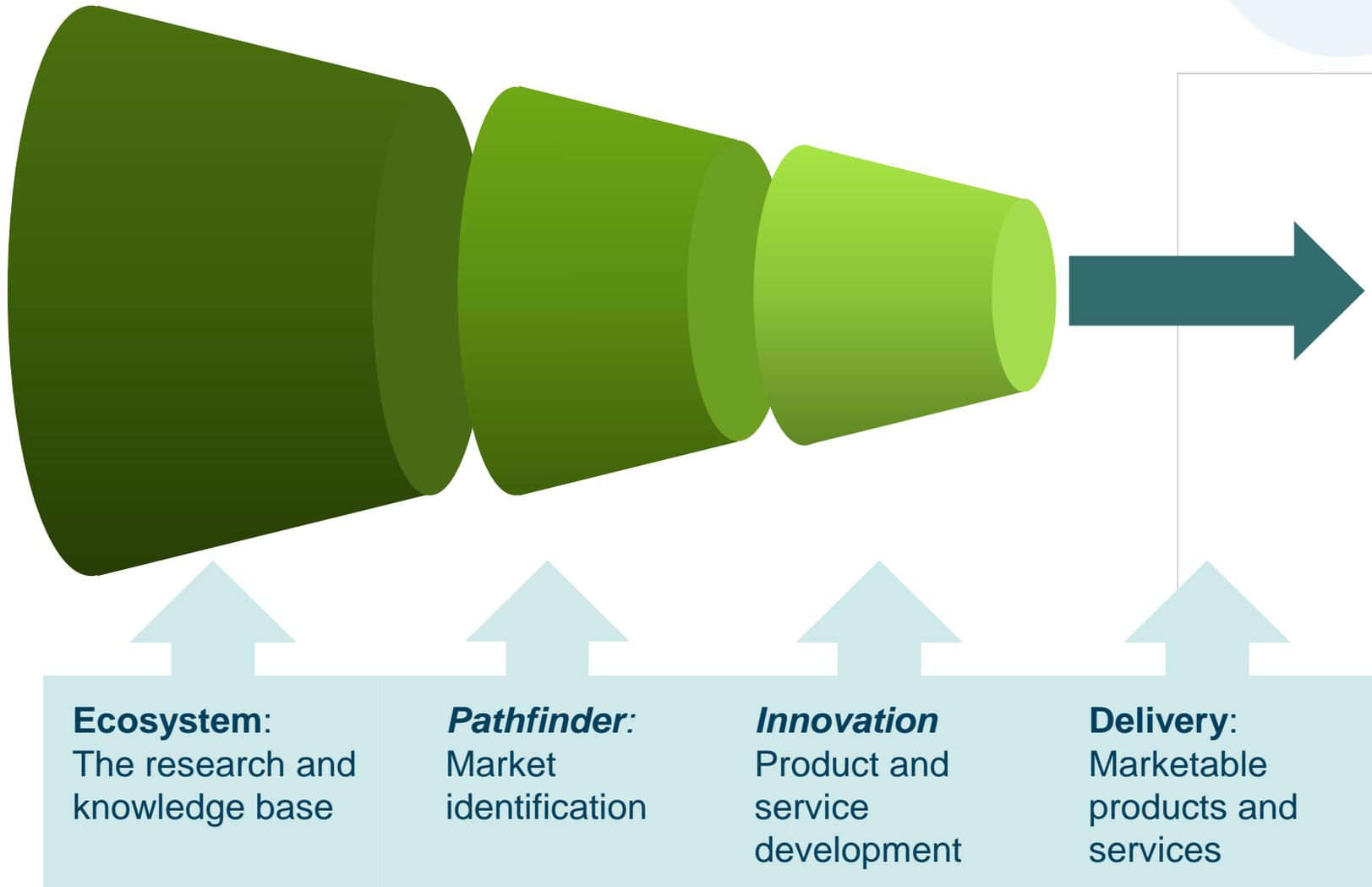
Climate-KIC therefore brings together all the actors of the innovation pyramid



...and integrates these with our three pillars:

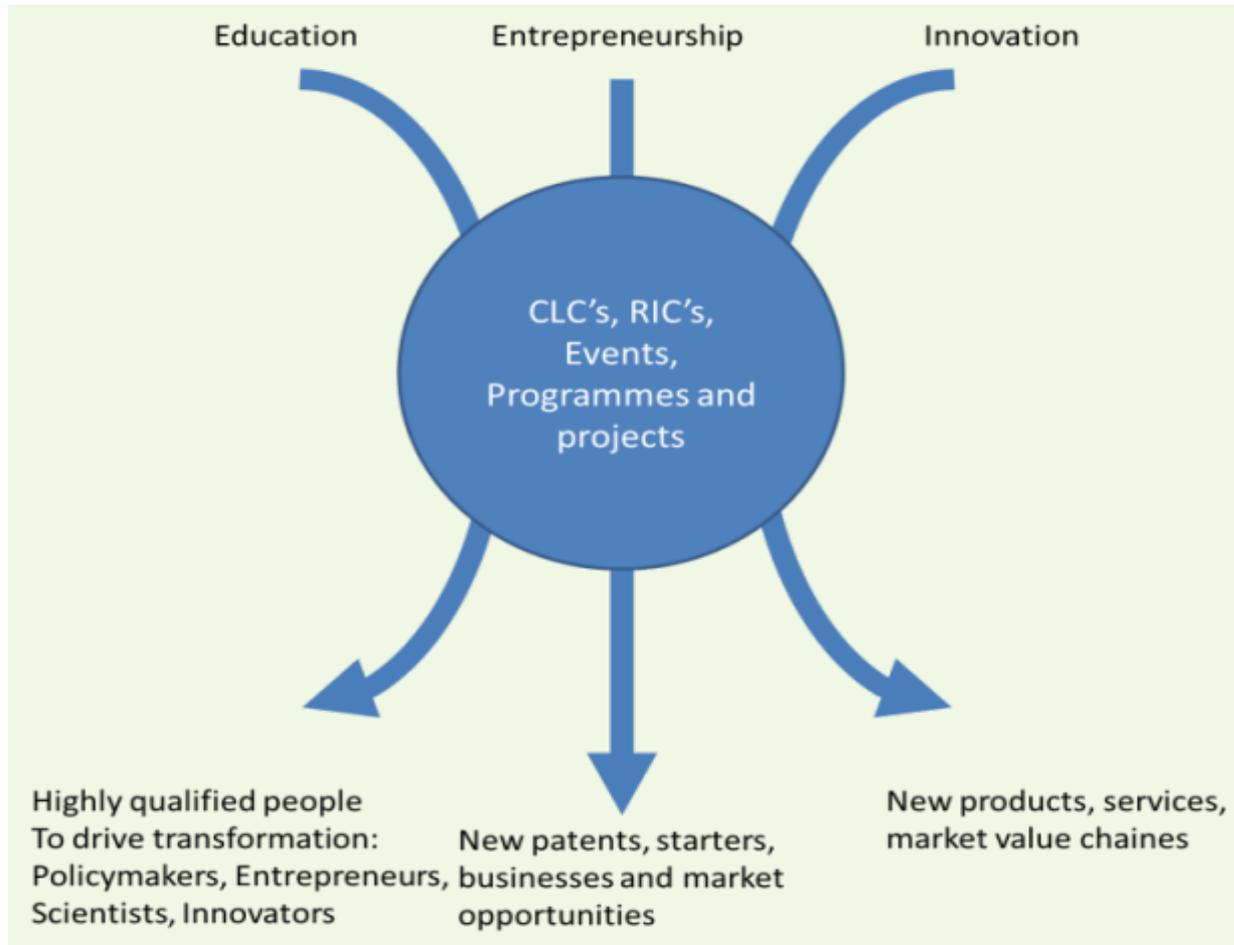
- Innovation & Pathfinder
- Entrepreneurship
- Education

The innovation pipeline



Education – entrepreneurs; Entrepreneurship – incubation, support and business development

Co-location Centres and Regions are the crucial hubs for integration of actors and activities



The CLC ecosystem



Communication

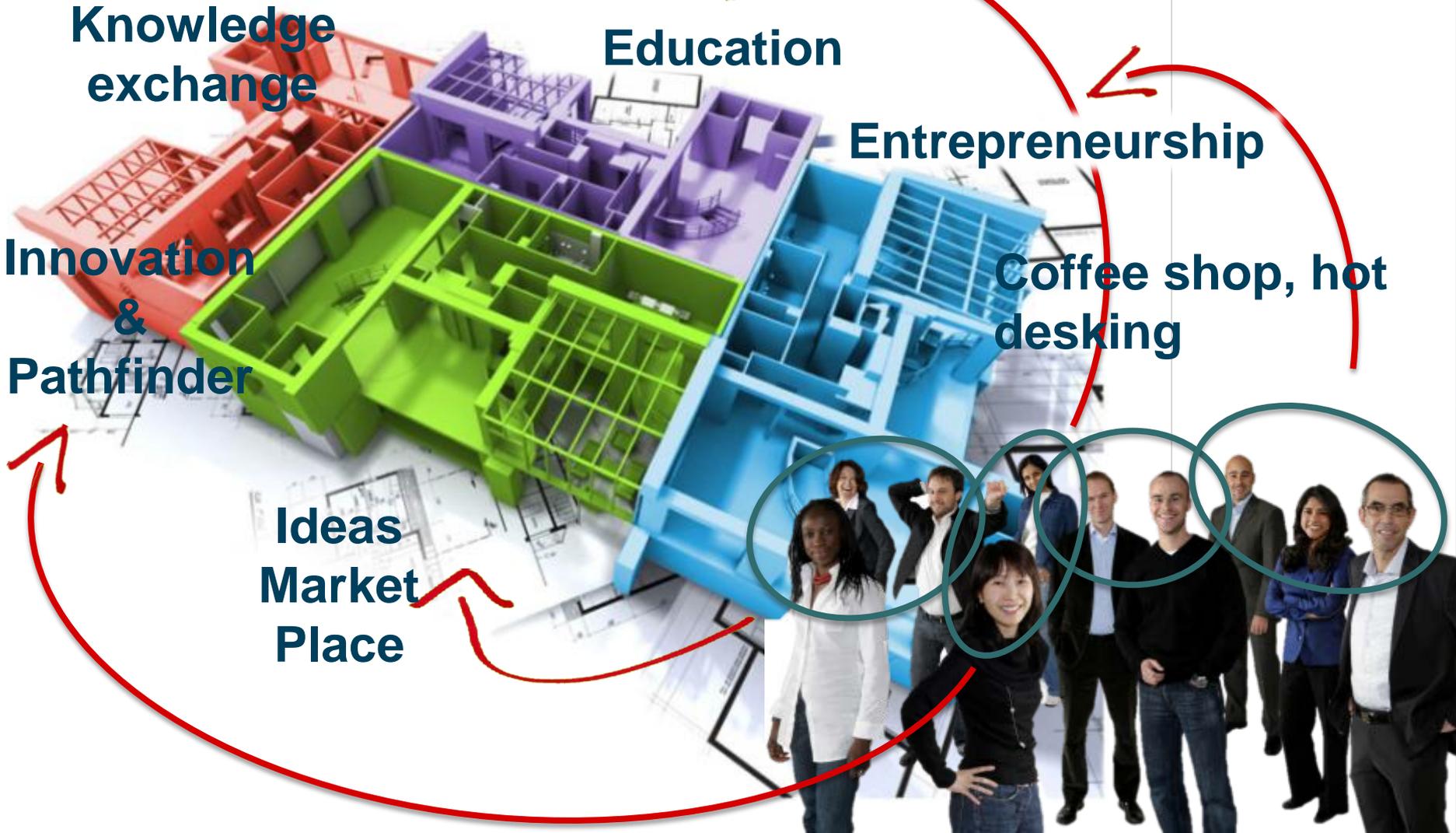
Education

Entrepreneurship

Coffee shop, hot desking

Innovation & Pathfinder

Ideas Market Place



RIC – the regions



- 6 Major European Regions
- Key role for/led by public bodies
- A platform for identifying specific challenges and stimulating demand
- Test-beds for new experiments and demonstration
- Collaboration with CLC in bringing new ideas to market



Governance and Management



Climate KIC: Our major target themes



The challenge platforms

Production



Industrial symbiosis

Bioeconomy

Climate services

Sustainable city systems

Mitigation

Transforming the built environment

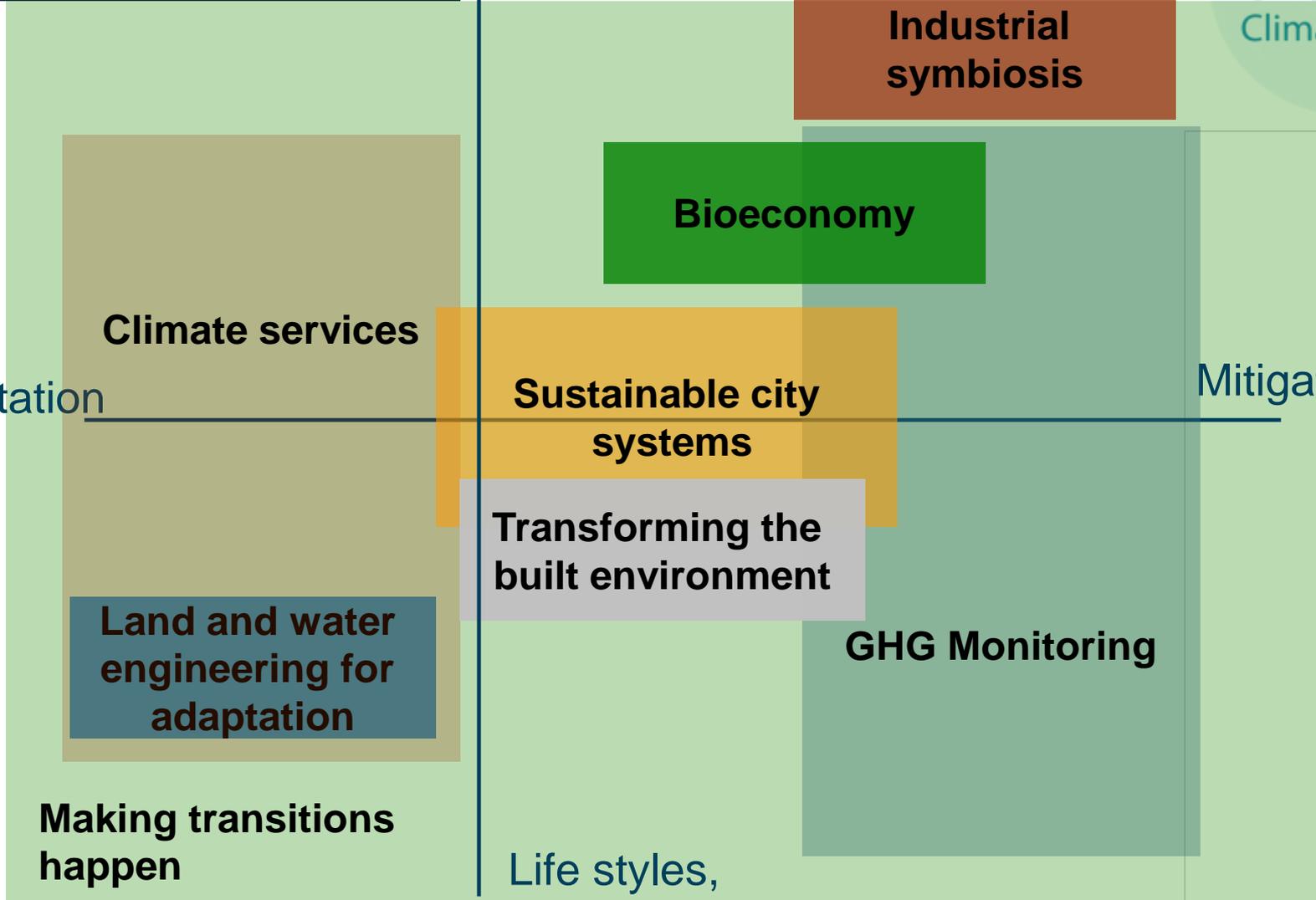
Land and water engineering for adaptation

GHG Monitoring

Making transitions happen

Life styles, livelihoods, cities

Adaptation

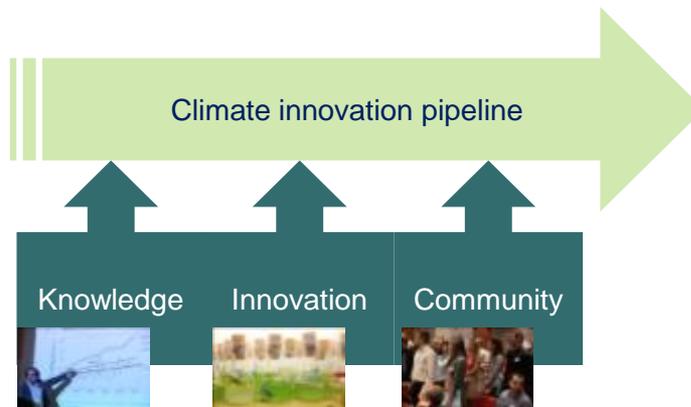


Climate-KIC

Innovating for low-carbon prosperity and climate resilience



- A networked Community
 - long-term, stable, portfolio of partners across 4 sectors
 - 4 sectors, knowledge pyramid
 - Innovation push connected with demand pull
 - Climate Market Accelerator
 - Sheltered innovation



- KIC
 - Toolkit via Innovation, Education and Entrepreneurship Pillars
 - create climate entrepreneurs
 - catalyse innovation – products, services, culture
- 8 Platforms provide focus for strategic cross-KIC development
 - Integration of the 3 Pillars
 - Challenge driven
 - European leadership
- CLC provide focus for implementation and delivery
 - Hub of connectivity
 - Centre of knowledge
 - Launch pads, landing pads, pipeline



Thank you

www.climate-kic.org



Challenge Platforms



- **Transforming the Built Environment**
 - Develop resource-efficient new and retrofit buildings by catalysing system innovation and the development of low carbon substitutes for built material.
- **Sustainable City Systems**
 - Support transition from centralised separate energy, waste and water utilities to decentralised, integrated utility systems; Sustainable mobility systems, Low carbon resilient hubs
- **Greenhouse Gas Monitoring**
 - Enable mitigation action through GHG measurements, reporting and verification and associated financial tools.
- **Land and Water Engineering for Adaptation**
 - Support the adaptation of water engineering and agriculture to climate change and link it to enhanced land use and ecosystem services delivery
- **The Bio-economy**
 - Support the development and adoption of a bio-based economy efficient, closing the loop and producing, polymers, chemicals and biofuels
- **Industrial Symbiosis (chemicals, polymers and fuels)**
 - Resource efficiency, Closed loop systems, Turning waste into resource
- **Climate Services**
 - Increase adaptation capacity and resilience of societies, infrastructure, cities and services with specific emphasis on areas prone to sea level rise
- **Making Transitions Happen**
 - Build a low-carbon culture, Engage companies, communities and citizens in development of a low carbon society