

EIT Climate-KIC: building a movement of climate action

An overview



Climate-KIC is supported by the
EIT, a body of the European Union

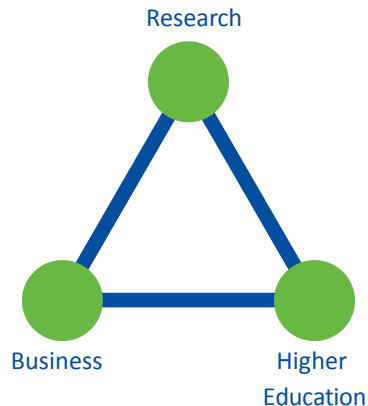
Angelica Monaco, Director Climate-KIC Italy



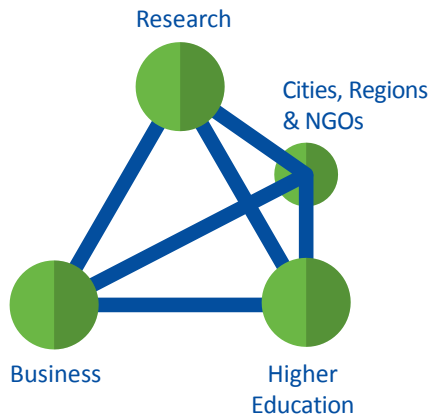
EIT Climate-KIC is a European **knowledge and innovation community** working to accelerate the transition to a **zero-carbon economy** through **whole systems** transformation

EIT Climate-KIC is part of the European Institute of Innovation and Technology (EIT) and the EIT community. We are one of six KICs acting together as global innovation leaders, delivering world-class solutions to societal challenges.

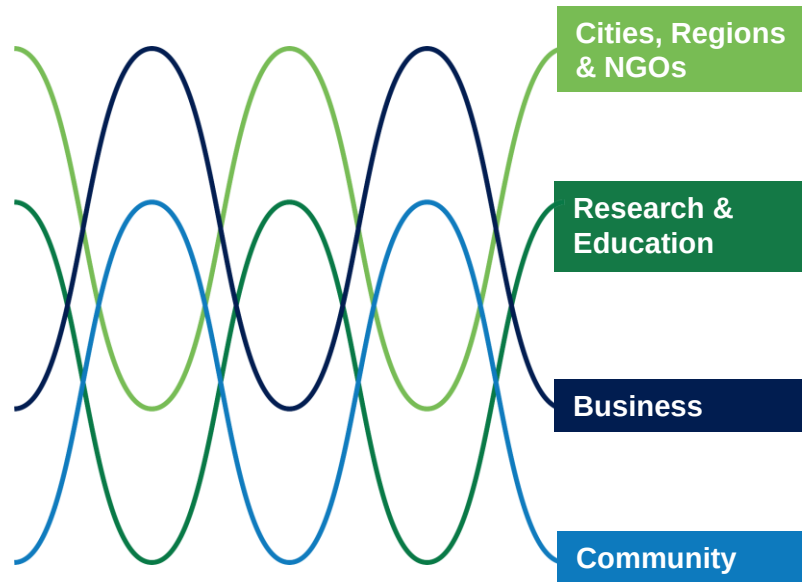
Systemic innovation through knowledge integration



Knowledge triangle

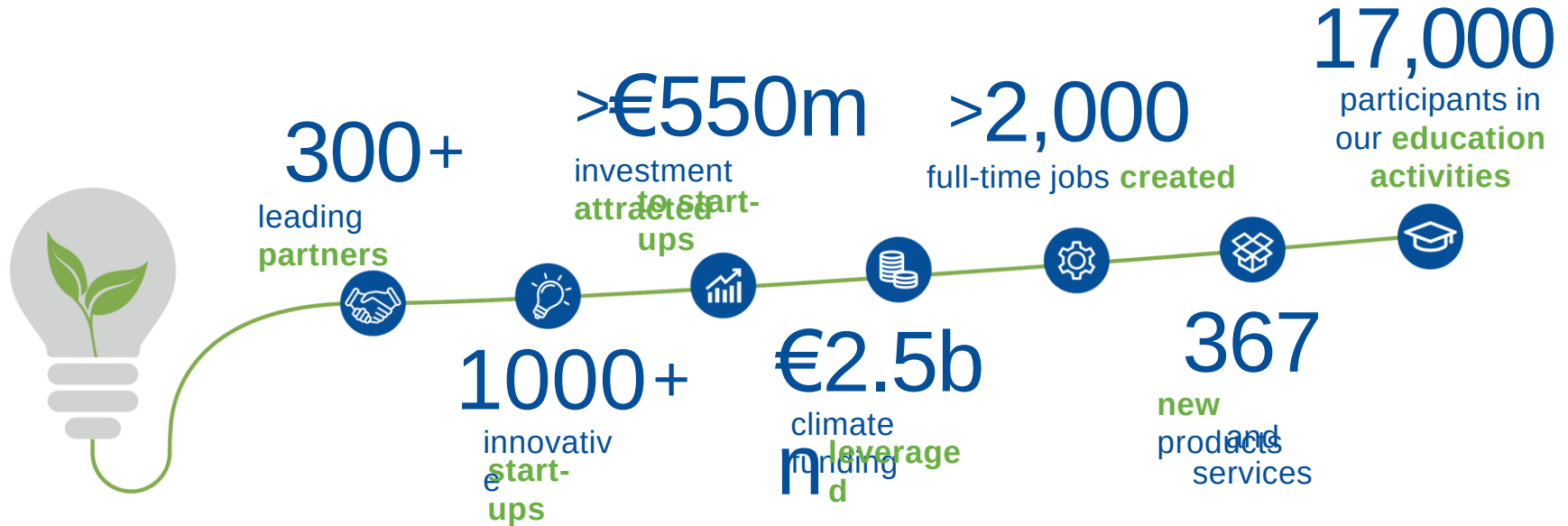


Knowledge tetrahedron



Knowledge quadruple helix

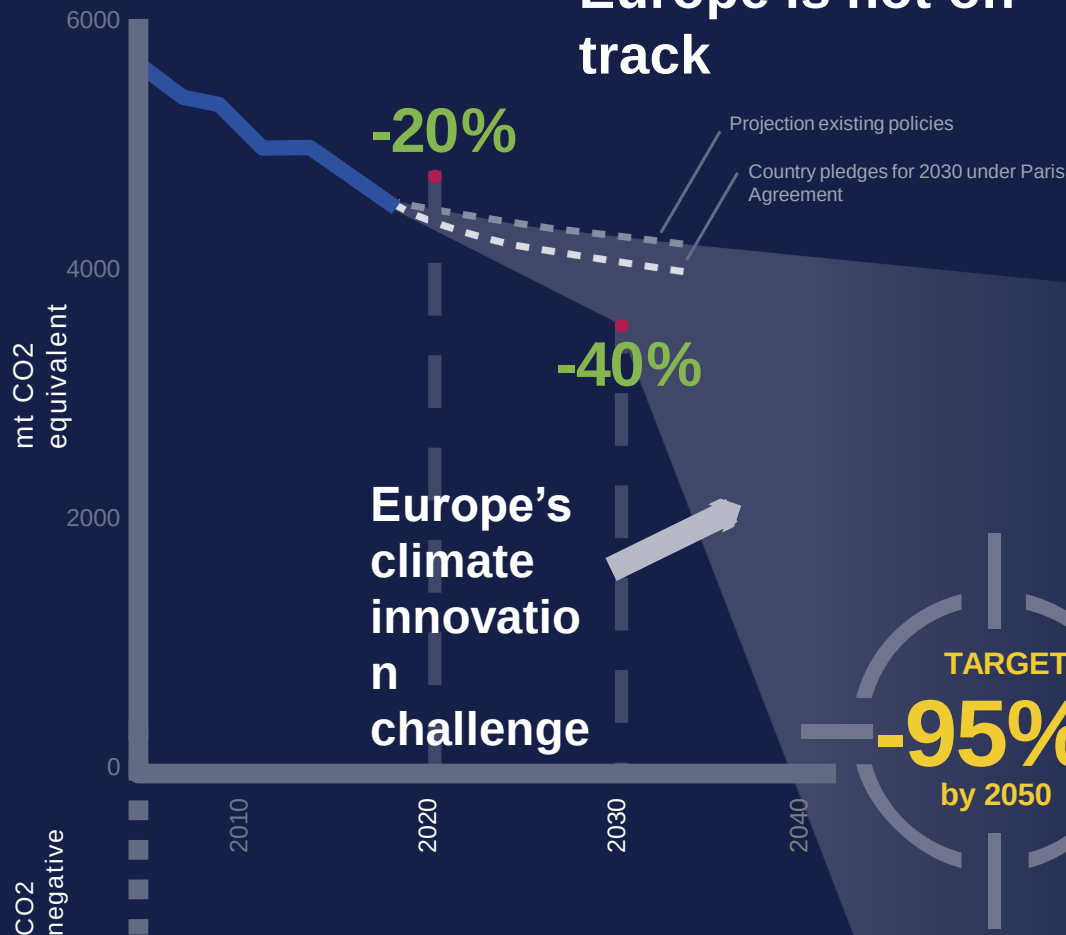
Building a movement of climate action



A high-angle, close-up shot of a white wind turbine's nacelle and three blades, partially submerged in dark, turbulent ocean water with white foam from the waves. The perspective is from above, looking down at the turbine.

Our **2030 Impact Goals** match the speed and scale of change needed to **meet Paris targets.**

Europe is not on track



6x

3 Faster than the global average

6-8%

2 Reduction in carbon intensity every year to 2050 and beyond

1 European target consistent with 1.5°C Paris Agreement goal

Making an impact

EIT Climate-KIC works on transformative, systemic innovation that involves many connected projects developing in parallel to trigger a shift in the system. We aim to take good ideas, products or services from niche to mainstream to reach a tipping point and create maximum impact.



Urban Transitions

Around 70 per cent of GHG globally are produced in cities, but they are also at the heart of the solution. We actively accelerate the transformation of buildings, infrastructure, and transport systems to be low carbon and resilient.

- Goal 1**
Promote retrofit and decentralised energy
- Goal 2**
Create green, resilient cities
- Goal 3**
Accelerate clean urban mobility



Sustainable Land Use

Agriculture, forestry and other land uses account for 24 per cent of greenhouse gas emissions, second only after energy production. We pave the way for efficient, low carbon agriculture, advancing the bio-economy, and building resilience into food and forest value chains.

- Goal 4**
Make agriculture climate-smart
- Goal 5**
Transform food systems
- Goal 6**
Nurture forests in integrated landscapes



Sustainable Production Systems

The industrial sector is responsible for a third of total global GHG emissions. We enable carbon-neutral manufacturing systems and material flows in cities and regions, through circular economy principles and by creating added value among stakeholders.

- Goal 7**
Recast materials production
- Goal 8**
Reduce industry emissions
- Goal 9**
Reboot regional economies



Decision Metrics and Finance

There is no lack of finance but a lack of bankable green assets. We develop the metrics and financial mechanisms that matter to redirect and mobilise the finance needed to quickly scale up climate action.

- Goal 10**
Mainstream climate in financial markets
- Goal 11**
Democratise climate risk information
- Goal 12**
Foster bankable green assets in cities



We **connect and convene** the knowledge and expertise needed to catalyse **systemic innovation** that helps societies mitigate and adapt to climate change

Our activities include:

- ☐ **Partnership-driven innovation in a unique community**
- ☐ Business incubation and entrepreneurship
- ☐ Open innovation
- ☐ Education and capacity building



Core Partners



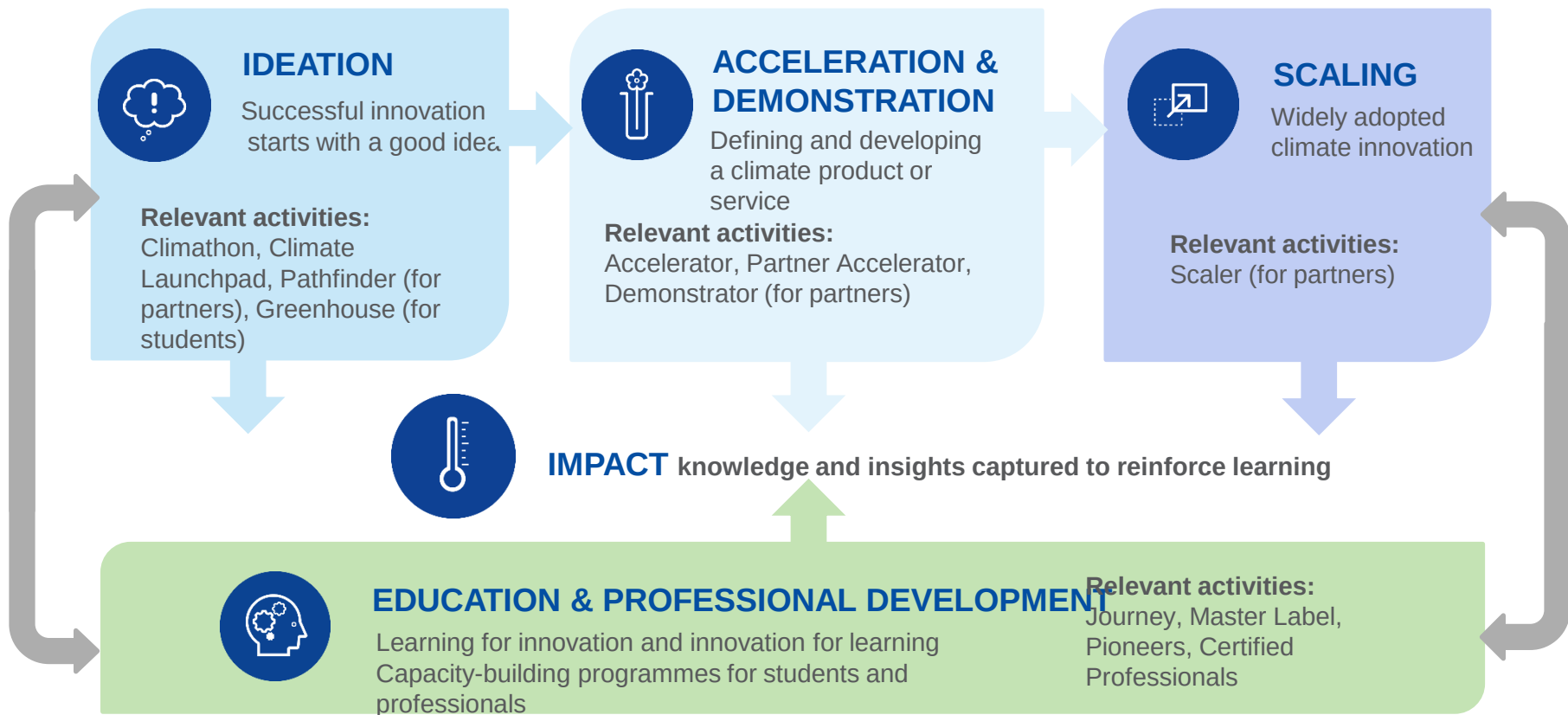


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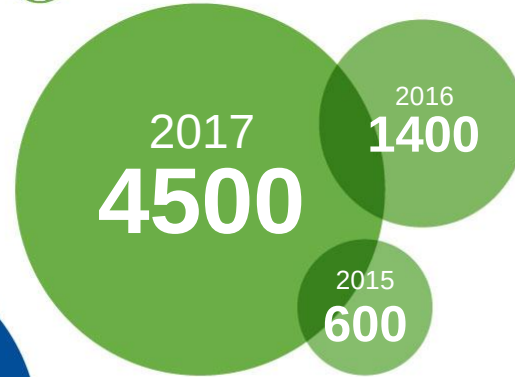
End-to-end innovation



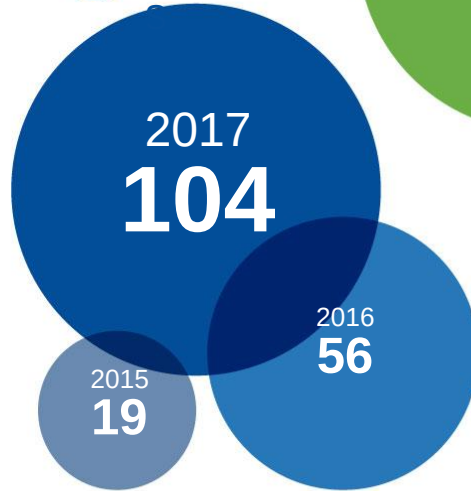
Climathon



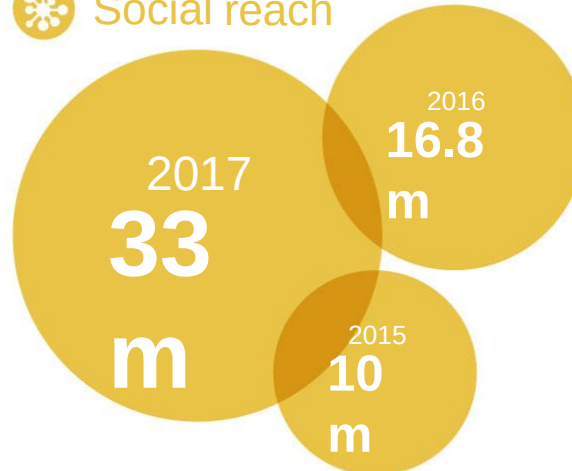
Participants



Cities



Social reach



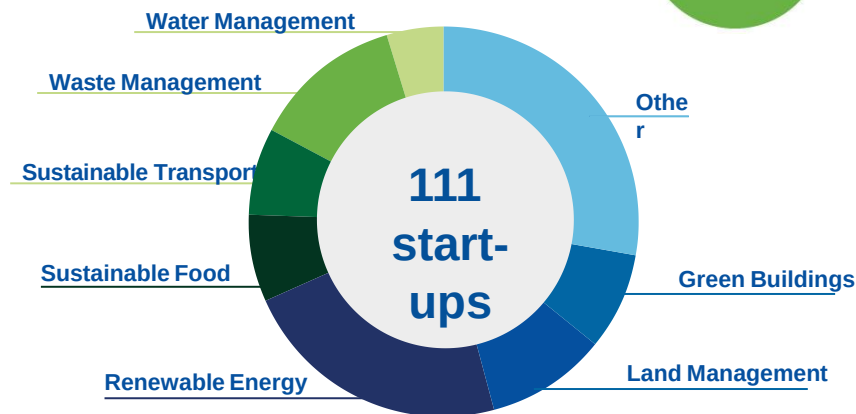
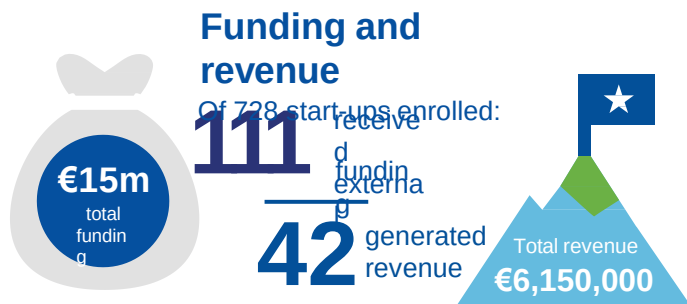
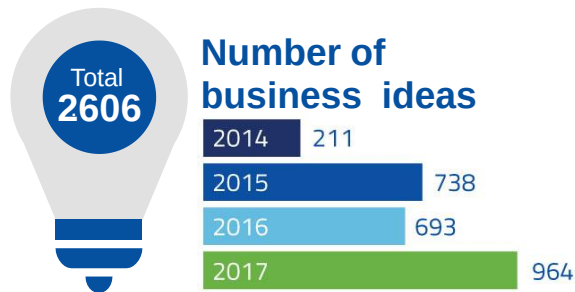
26th October 2018

Main stage event will be in ITALY



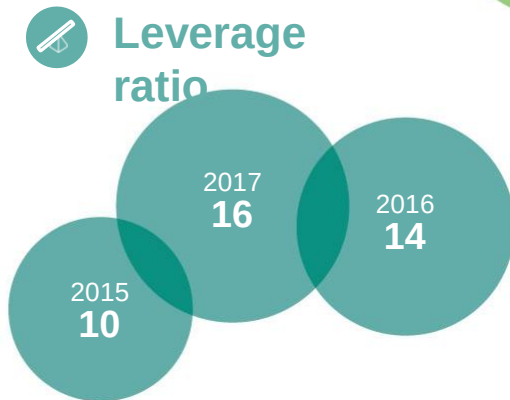
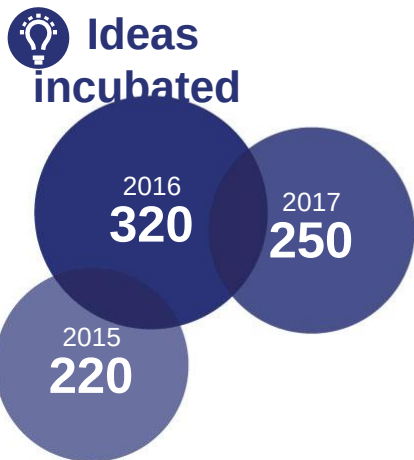
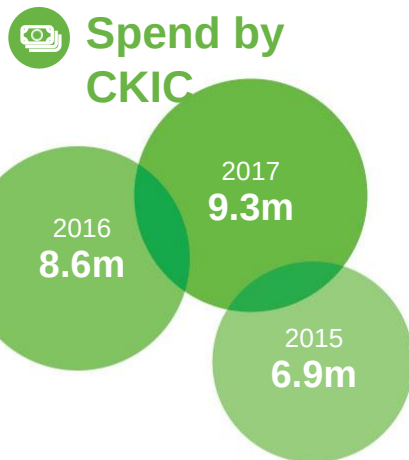
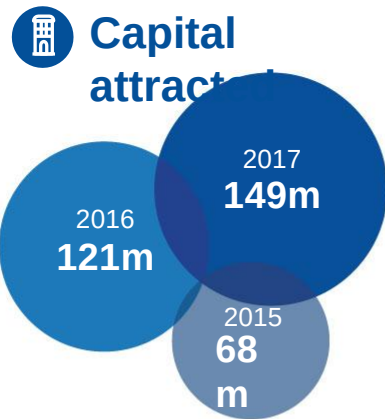
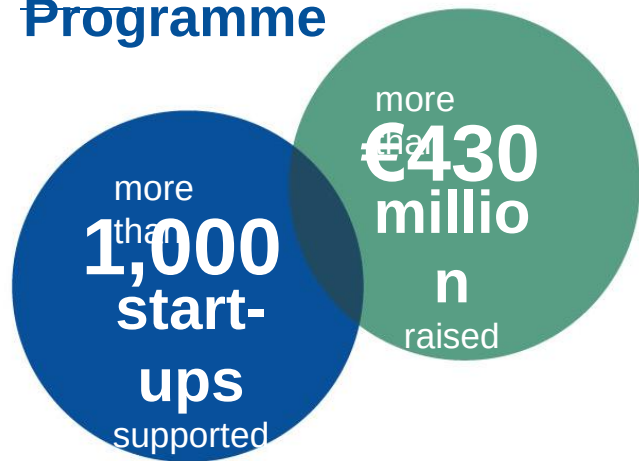
Climate Launchpad

"The world's leading green business ideas competition"



Funded Climate Launchpad start-ups by sector

EIT Climate-KIC Start-up Accelerator Programme





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- ☐ Business incubation and entrepreneurship
- ☐ **Open innovation: the Italian projects**
- ☐ Education and capacity building



Sustainable Production Systems

B-PLAS | UNIVERSITÀ DI BOLOGNA
PANNON PRO

eCircular | Flagship led by UNIBO

SURPLUS MALL | ITC (Spain) ASTER

Manufacturing accounts for about **98%** of total CO₂ emissions from the industrial sector

The industrial sector is responsible for **a third** of total global greenhouse gas emissions

Only **40%** of materials in Europe are recycled or reused

Resource efficiency is still hugely underexploited

Europe loses **95%** of material and energy value



Sustainable Production Systems

Goal 7

Recast materials production

Loop

Goal 8

Reduce industry emissions

<<2°C Pathway

Goal 9

Reboot regional economies

Re-Industrialise



Loop programme



A unique global innovation platform on circular economy that aims to close the loop on high-emissions material systems, and dematerialise demand in urban areas.

eCircular aims to radically reduce the use of **plastic** materials through innovative **digital** technologies



Regulation



Behavioral change



Eco-design

Partners



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



**Wuppertal
Institut**



LUND
UNIVERSITY



ecomatters





Loop - eCircular Flagship

Circular plastic materials systems

Dematerialisation of plastic demand

Digital technology and Industry 4.0 solutions

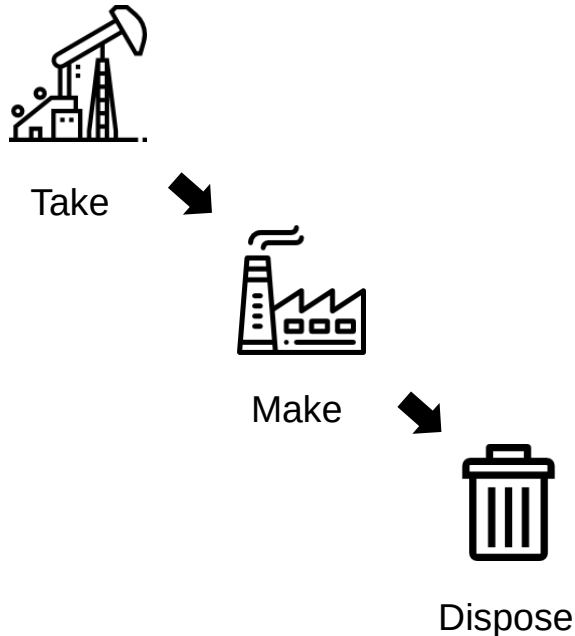
Regulation, industry standards and policy

Eco-design & new manufacturing processes

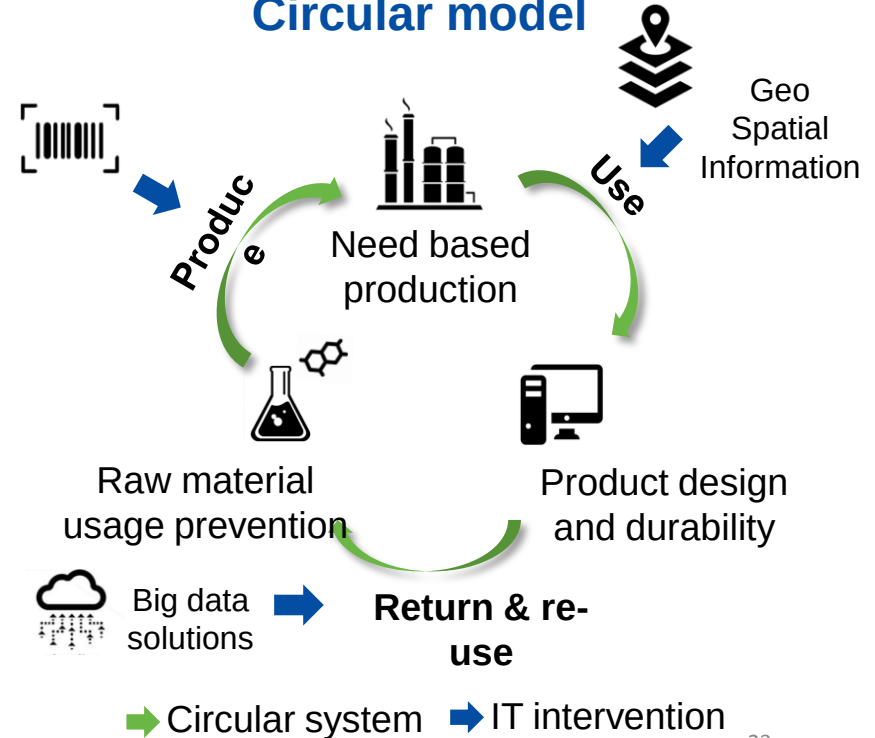
**Net-zero emissions
from plastics by 2050**

Acceleration through digitalisation

Linear model



Circular model





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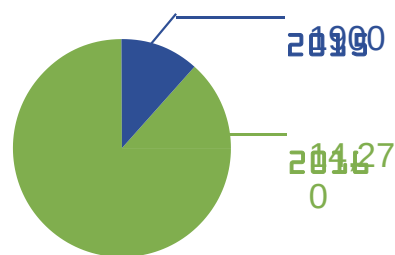
- ☐ Partnership-driven innovation in a unique community
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- ☐ Open innovation: Italian projects
- ☐ **Education and capacity building**



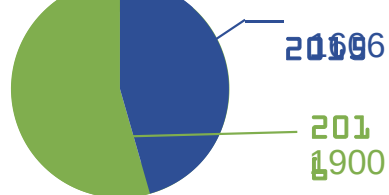
Education is critical to building the emerging capacities needed for a changing world and climate. We empower graduates, professionals and executives with the skills they need to make a positive contribution to the new climate economy, helping them learn to learn.

EIT Climate-KIC Education Programmes

change agents trained



official alumni network



Labels
(MSc,
PhD)

of individuals trained



of countries represented



Journey
Summer
School

of individuals trained



of countries represented



Greenhouse

of teams trained



of countries represented



Professional
Education
Courses

of individuals trained



of countries represented



Certified
Professional:
Pilots
Phases

of individuals assessed



of countries represented



Climate-KIC Italy



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EIT, a body of the European Union

Working to connect Innovation across Italy



Angelica Monaco
Director



Arianna Cecchi
Startup, Innovation Lead

Paola Valandro
Education Lead



Sean Lockie
Director Urban
Transitions



Roberta Centonze
Innovation Manager



Pamela Ragazzi
Programme Manager



Elisabetta Cremaschi
Executive Assistant
UT and SPS



Moises Alvaro
Office Manager



Silvia Doglioni
InnoSpace Journey
Assistant



Annalisa Spalazzi
EIT RIS officer, Mediterranean
region

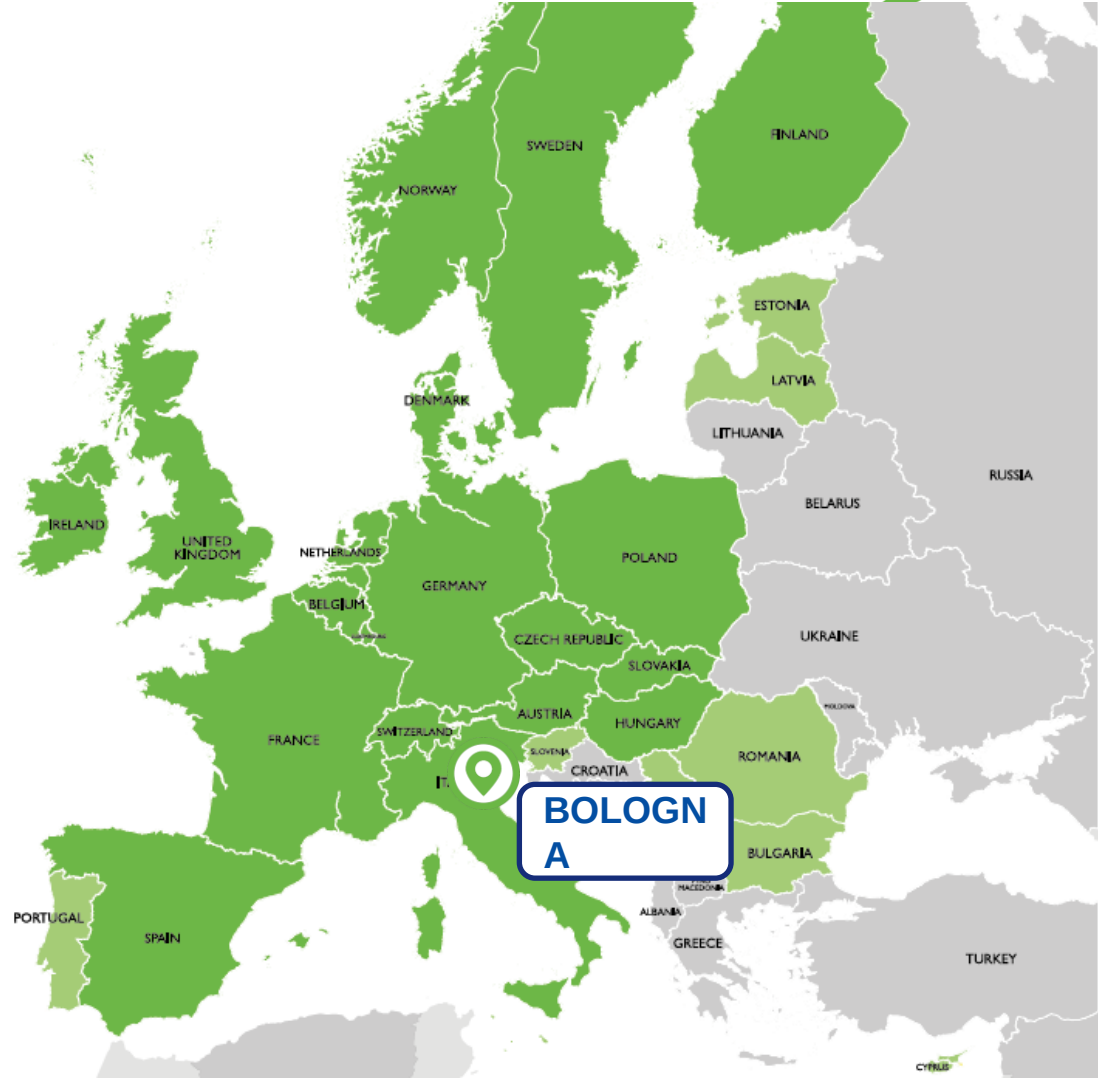


Lisa Contarini
Financial Manager



Marina Kovari
Comms Manager

The Italian Branch



Climate-KIC Italian Partners 2018



**fondazione
innovazione urbana**



Public Bodies

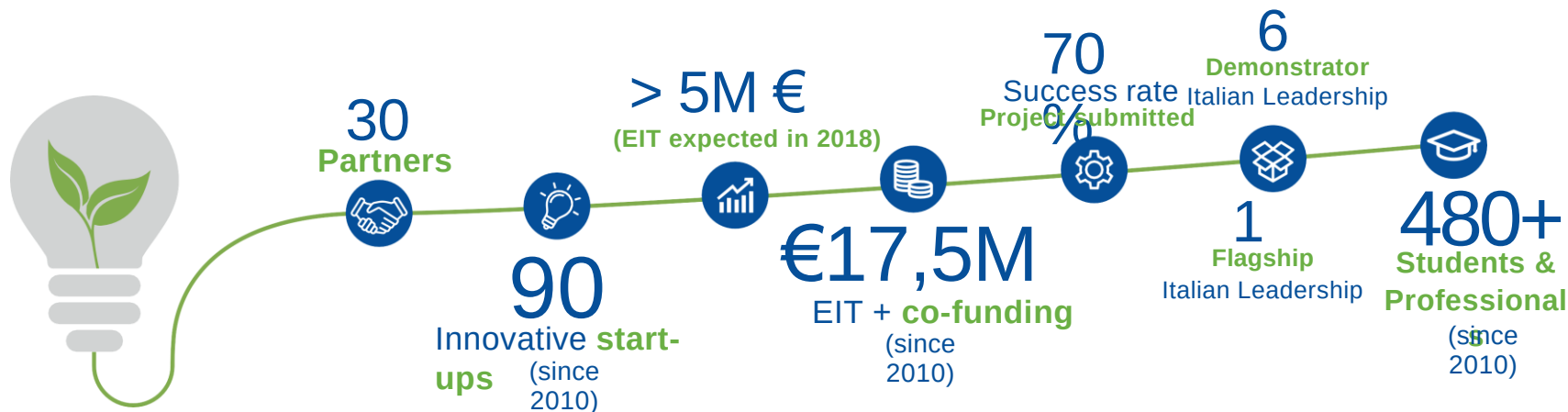


Business



Higher Education
and Research

Italy – Facts & Figures



OUR DIGITAL FOOTPRINT

Our website | Areas of focus
www.climate-kic.org

Our Social Media

Facebook: ClimateKICItaly

LinkedIn: ClimateKIC Italy Opportunities

Twitter: ClimateKICItaly



Our email

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EIT Climate-KIC

Thank You



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