



EIT Information Day
- Athens |

Climate-KIC

18 March 2016



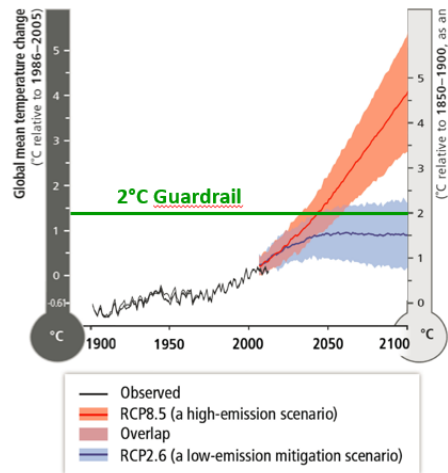
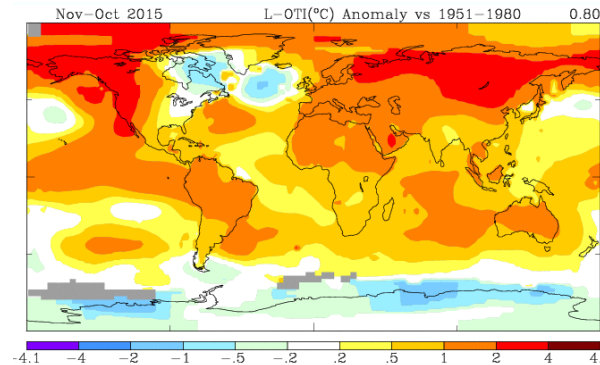
Climate-KIC is supported by the
EIT, a body of the European Union

Mike Cherrett, Director - Operations

The climate challenge and opportunities

Challenge

- 2°C is the guard rail for 'manageable' climate change.
- 2015: 1°C warming already. Already impacting economies.
- Already seeing higher frequency extreme weather: impact on crop yield, health and potential for social unrest.
- COP21 'pledges' will only abate 50% of CO2 emissions needed.



Data: top NASA GISS – annual mean 2015.
Bottom: IPCC AR5 (2014)

Opportunities

- A unique opportunity: we must address the biggest challenge facing mankind and our planet.
- €5.5 trillion market for low carbon technology and products. An underestimate – as adaptation costs/opportunities are complex and harder to quantify.
- Climate-KIC can lead for Europe: new technology & policy, new businesses, new jobs.
- Co-benefits for health, resource use, food and mobility.

Climate challenges in Greece

- Increase in **year-to-year variability in summer climates** and more frequent **heat waves and droughts**: Southern Greece most affected
- **Suffering of world heritage sights**: heritage sights are expected to suffer from fluctuations in temperatures and weather patterns, some of them also from coastal erosion and sea level rise
- Negative **economic impact**
- **Precipitation extremes**
- **Increased wildfire risk**: especially in Eastern Greece
- Increase in number of **tropical nights and days**
- **Loss of coastal wetlands** due to **sea level rise**



Our Foundation



World's largest Climate PPP delivered €1.8b climate action...

Mission:

We bring together, inspire and empower a dynamic community to build a zero carbon economy

Vision:

To enable Europe to lead the global transformation towards sustainability

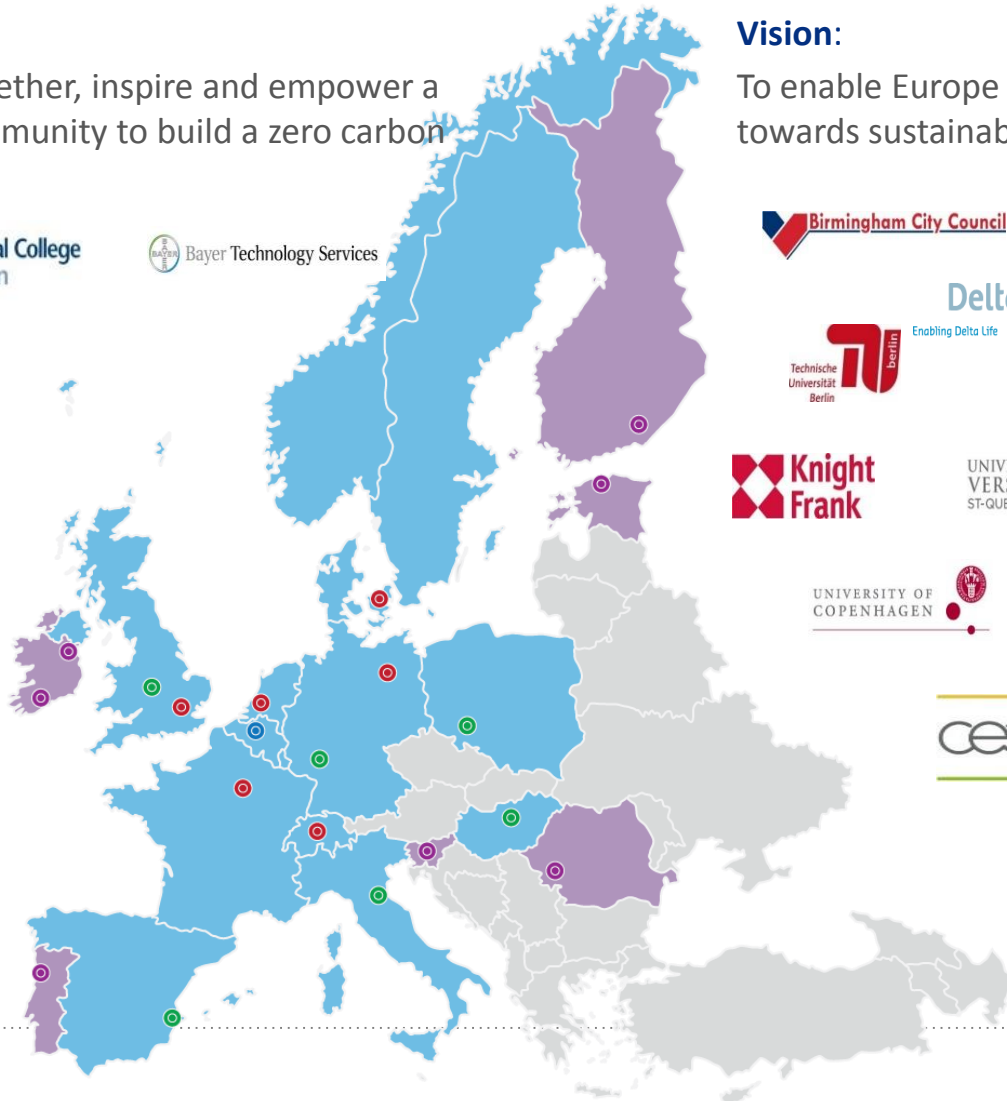


Imperial College
London

Bayer Technology Services



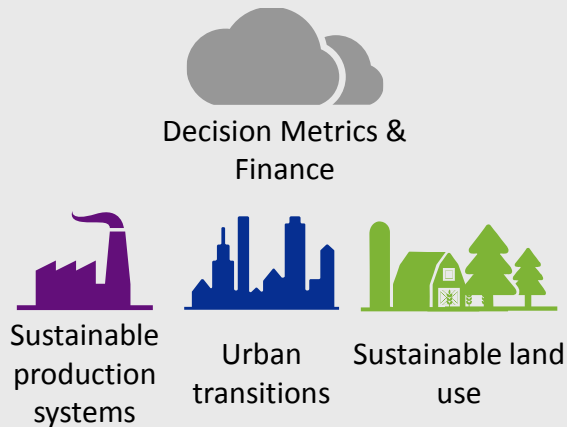
TNO innovation
for life



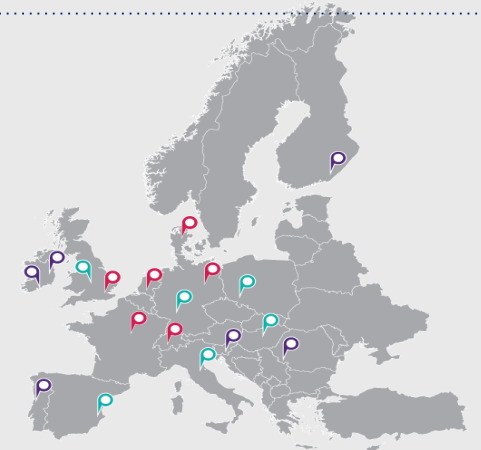
How we deliver impact

Climate action

Thematic areas



Geographies



Education

Climate-KIC Innovation Framework



How we work



2015 Results - Education

Female
Male

EIT LABEL PROGRAMMES	JOURNEY	THEMATIC SCHOOL	GREENHOUSE	BUSINESS SCHOOL	PIONEERS	ONLINE EDUCATION	
EIT Label: MSc/PhD, summer schools, SPARK! Lectures, mobility projects							
MASTERS LABEL 257 Students 42 Nationalities	GRADUATES 92 Masters 29 PhD	8 Journeys 303 students 22 cities 50+ nationalities 62 business ideas	4 Thematic Doctoral Schools 84 participants	Pre-Incubator 33 Teams Across Europe	Professionals & Executives 1 Executive Education 9 Professional Education 120 participants Climathon: 1,000 participants Case Studies: 10	Professional Mobility 270 Pioneers 528 placements 14 cities 13 nationalities 496 biz ideas	eLearning 1,026 total users 193 ideation users Global Access (Top: EU, US, India)
PhD LABEL 168 Students 34 Nationalities		70 working with CKIC or partner	ALUMNI: 1606 members	13 European Chapter, 3 International Chapters			



50+ nationalities



190 alumni startups



Gender parity



Climathon!



Journey as Exemplar Case

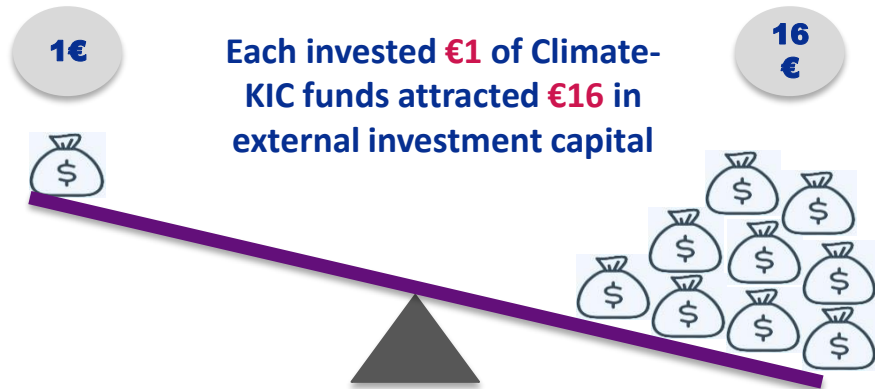
2015 Results - Entrepreneurship

Our world class accelerator – making start-ups investor-ready faster



Leveraging our investment

Case study: German Accelerator programme, 2011-15



- Co-ordinated 3-stage programme hosted in 12 incubators across Europe
- Highly selective at entry and stage gates

Supporting a new generation of leaders



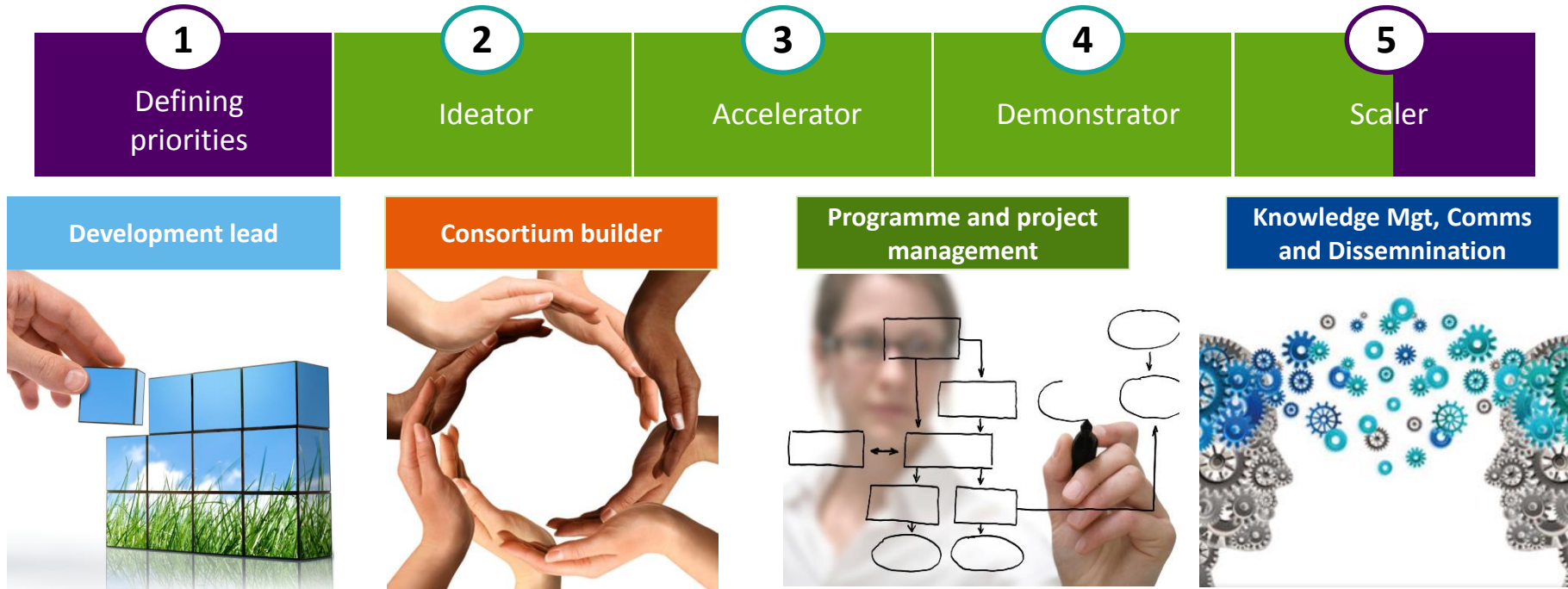
EIT Community on Forbes' 30 under 30 Europe list

News 10/02/2016

A big congratulations to the EIT entrepreneurs and change makers who made it onto Forbes' '30 under 30 Europe' list. Climate-KIC and KIC InnoEnergy are supporting five out of the thirty most promising young social entrepreneurs in Europe. The category celebrates people who are leveraging business tools to solve the world's problems.

Innovation Framework: How we work

Climate-KIC Innovation Framework



Supply-side discoveries

Innovation Opportunities exploited through
130 cross-sector, cross-border consortia

**Climate
Impact**

Demand-side needs

Opportunities for Greece to become involved

- The **Climate Launchpad**:
 - Europe's largest cleantech business idea competition
 - Locally organised in Greece and Cyprus by Chrysalis Leap : <http://chrysalisleap.com/>
 - Open to Greek start-up ideas: www.climatelaunchpad.org, @chrysalisleap

Applications deadline: May 31st

Boot Camp: July 2-3

National Final: September 7th



Opportunities for Greece to become involved

- The **Journey** (global edition) and **Pioneers into Practice** (professional education)
 - open to Greek students and early career professionals

<http://www.climate-kic.org/global-summer-school/> (**apply by 21 March**)

<http://www.climate-kic.org/programmes/pioneers/> (**call to be launched on 4 April**)

- **Climathon:**

- ideation “hackathon” at city level to connect demand and supply sides:

<http://www.climate-kic.org/climathon/>

Climate-KIC Regional Innovation Scheme (RIS): get involved!

Climate-KIC Regional Innovation Scheme (RIS) **expansion call** to be launched in **April 2016**.

We are looking for Greek Partners to lead the way!

Contact: Julia Panny, RIS Programme Officer, julia.panny@climate-kic.org

We are interested in starting the dialogue with Greek knowledge triangle actors:

- Partners at the regional, city and national level that want to co-create a resilient climate future
- Bring in partner excellence and meet the needs of member states
- Allow for synergies with EU Structural Funds and Smart Specialisation Strategies (RIS3)

COP21 as a milestone for Climate-KIC



- The world is heading for a rise of 4-5 °C, with current INDCS: ~2.8 °C
- Momentum is building towards and beyond Paris for a universal climate agreement
- Extraordinary wealth of climate action announced: cities | investors | companies
- Changing business environment: ESG reporting | Divestment movement
- More climate finance available: EIB €100bn in 5 year | World Bank annual \$30bn



Innovation
Cross-sector collaboration
Scalability

COP21 is a turning point in the human enterprise

Long-term goal: well below 2°C, aiming at 1,5°C
Binding, 5-year review for stronger commitments

Tipping point on the transition to low-carbon economy

Questions



*A unique opportunity: together we
can address the biggest challenge
facing mankind and our planet*

“Κάλλιον το προλαμβάνειν ή
το θεραπεύειν” (“It is better to
prevent than to treat”).”

