EIT Information Day
- Athens |
Climate-KIC
18 March 2016
The climate challenge and opportunities

**Challenge**

- 2°C is the guard rail for ‘manageable’ climate change.
- 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.

**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

- **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

- **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
Our Foundation
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
How we deliver impact

Thematic areas

- Climate action
- Decision Metrics & Finance
- Sustainable production systems
- Urban transitions
- Sustainable land use

Geographies

Education

Climate-KIC Innovation Framework

1. Defining priorities
2. Ideator
3. Accelerator
4. Demonstrator
5. Scaler
How we work
## 2015 Results - Education

<table>
<thead>
<tr>
<th>EIT LABEL PROGRAMMES</th>
<th>JOURNEY</th>
<th>THEMATIC SCHOOL</th>
<th>GREENHOUSE</th>
<th>BUSINESS SCHOOL</th>
<th>PIONEERS</th>
<th>ONLINE EDUCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Masters Label</strong></td>
<td>257</td>
<td>8 Journeys</td>
<td>33 Teams</td>
<td>Professionals &amp; Executives</td>
<td>270 Pioneers</td>
<td>1,026 total users</td>
</tr>
<tr>
<td>257 Students</td>
<td>303 students</td>
<td>4 Thematic Doctoral Schools</td>
<td>Across Europe</td>
<td>1 Executive Education</td>
<td>528 placements</td>
<td>193 ideation users</td>
</tr>
<tr>
<td>42 Nationalities</td>
<td>22 cities</td>
<td>84 participants</td>
<td></td>
<td>9 Professional Education</td>
<td>14 cities</td>
<td>Global Access (Top: EU, US, India)</td>
</tr>
<tr>
<td><strong>PhD Label</strong></td>
<td>168</td>
<td>50+ nationalities</td>
<td></td>
<td>Climathon: 1,000 participants</td>
<td>13 nationalities</td>
<td>496 biz ideas</td>
</tr>
<tr>
<td>168 Students</td>
<td>62 business ideas</td>
<td></td>
<td></td>
<td>Case Studies: 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34 Nationalities</td>
<td></td>
<td></td>
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</tbody>
</table>

- **GRADUATES**
  - 92 Masters
  - 29 PhD
- **70 working with CKIC or partner**

**ALUMNI:**
- **1606 members**
- **13 European Chapter, 3 International Chapters**

### 50+ nationalities

### Gender parity

### 190 alumni startups

### Journey as Exemplar Case

### Climathon!
2015 Results - Entrepreneurship

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

<table>
<thead>
<tr>
<th>TOTAL APPLICATIONS</th>
<th>TEST BUSINESS MODEL (STAGE 1)</th>
<th>CUSTOMER DEVELOPMENT (STAGE 2)</th>
<th>TOWARDS FIRST DEAL (STAGE 3)</th>
<th>&gt;£1M EXTERNAL INVESTMENT PER START-UP</th>
</tr>
</thead>
<tbody>
<tr>
<td>806</td>
<td>212</td>
<td>129</td>
<td>59</td>
<td>2012-15 89 start-ups raised &gt;€94m</td>
</tr>
</tbody>
</table>

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

Leveraging our investment

Case study: German Accelerator programme, 2011-15

Each invested €1 of Climate-KIC funds attracted €16 in external investment capital
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

1. Defining priorities
2. Ideator
3. Accelerator
4. Demonstrator
5. Scaler

Supply-side discoveries
Innovation Opportunities exploited through 130 cross-sector, cross-border consortia

Demand-side needs

Climate Impact
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/](http://chrysalisleap.com/)
  • Open to Greek start-up ideas: [www.climatelaunchpad.org](http://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/programmes/pioneers/](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:
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](mailto: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

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”).”