

INNOVATING FOR CLIMATE RESILIENCE:

Aligning capital allocations and rewiring finance through innovation

Programming Partner: UN SDSN Greece & Climate-KIC Greece

Prof. Phoebe Koundouri

**Professor and Director ReSEES Research Laboratory, School of Economics
ATHENS UNIVERSITY OF ECONOMIC AND BUSINESS (www.aueb.gr)**

Director, EIT Climate KIC – Greece, ATHENA RC (www.climate-kic.org/countries/Greece)

Co-Chair, UN Sustainable Development Solutions Network (SDSN) - Greece (www.unsdsn.gr)

Director, International Center for Research on the Environment and the Economy (www.icre8.eu)

Vice-Chair, SB European Forest Institute (www.efi.int)

Personal Webpage: https://www.aueb.gr/en/faculty_page/koundouri-phoebe



- We are on course for disastrous +3C.
- We have **12 years left** until the point of no return. Most of us will still be alive then!
- Urgent and unprecedented changes are needed to reach the target. The target is affordable and feasible. The final tick box is political/policy will!

• **Transforming our world: the 2030 Agenda for Sustainable Development**

10 OCTOBER 2018 REPORT
Intergovernmental Panel on
Climate Change (IPCC):

Urgency of limiting global warming to +1.5 C.

Beyond which risk of drought, floods, extreme heat and poverty for hundreds of millions of people, will significantly increase.





A Global Network of :
Universities & Research and Innovation Centers
Businesses
Civil Society Organizations
Policy Making
Political Institutions

To support **SCIENCE DRIVEN** implementation of **SDGs**



www.unsdsn.gr

Co-Chairs

Prof. Phoebe Koundou
Prof. Andreas Papandr

Leadership Council

Business, NGOs,
Policy Making, Politici

3000+ universities & r

2000+ companies and NGOs worldwide

CROSS-CUTTING THEMES

**Natural Capital Valuation & Integri
Sustainable Investment Allocatio**

**Climate Change: Mitigation and A
Policies**

**Sustainable Development in
Times of Crisis**

THEMATIC PRIORITIES

**Sustainable Shipping and Marine Resources
Management**

Sustainable Energy and Energy Security

Sustainable Water-Food-Energy Nexus

Sustainable Tourism and Biodiversity

**Education and Training Courses in Sustainable
Development**




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



ATHENA
Research & Innovation
Information Technologies

Cluster of Institutions



SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK
A GLOBAL INITIATIVE FOR THE UNITED NATIONS





www.unsdn.gr
Hosting Institutions

ΟΙΚΟΝΟΜΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ



ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS



Research laboratory on Socio-Economic and Environmental Sustainability

ReSEES

National and Kapodistrian University of Athens



PESD



ICRE8
International Centre for Research on the Environment & the Economy



ΜΟΥΣΕΙΟ ΓΟΥΛΑΝΔΡΗ ΦΥΣΙΚΗΣ ΙΣΤΟΡΙΑΣ

01 — 02.04.2019

ΣΥΓΚΛΙΣΕΙΣ

CONVERGENCES GREECE FORUM

www.convergences.gr

OPTAGISH: DE ENPNEPIAIA ME




WORLD HUMAN FORUM

Our Projects, currently 100 researchers



- €100+ million of research funding from: European Commission (DG RTD, DG MARE, DG ENV, DG ENER, DG REGIO), International Organizations (World Bank, OECD, EBRD, WHO, FAO, UN), Governments in all 5 continents, etc.
- 1000+ peer-reviewed research papers & books



Climate-KIC



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

**Transforming innovation
into climate action**





Climate-KIC

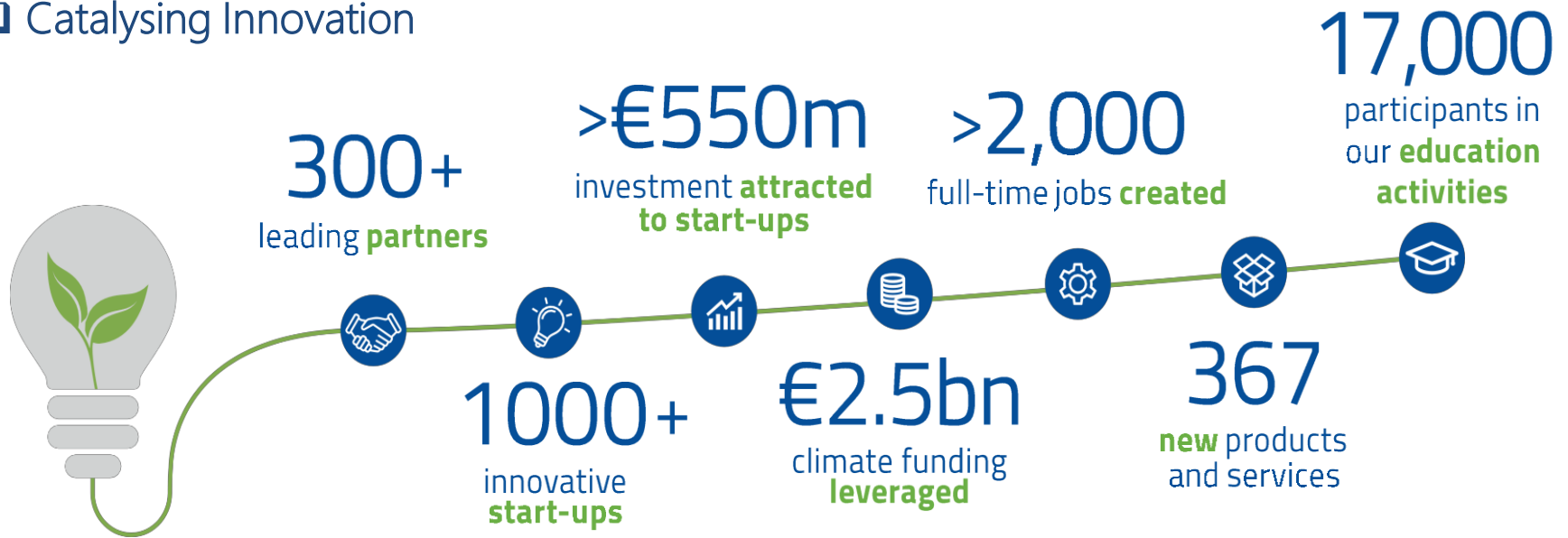
EIT Climate-KIC is a European **knowledge and innovation community** working to accelerate the transition to a **zero-carbon economy** through **whole systems** transformation.

The EIT Climate-KIC is part of the European Institute of Innovation and Technology (EIT) and the EIT Community.

The EIT is a body of the European Union and a global innovation leader, delivering world class solutions to societal problems

ETClimate KCEurope is Building a Movement of Climate Action

- ❑ Convening networks of expertise
- ❑ Leveraging Grants Smartly & Effectively
- ❑ Developing People & Capacity
- ❑ Catalysing Innovation



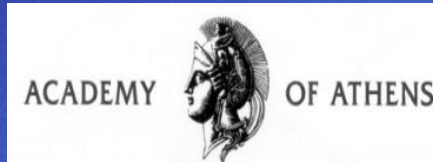


Greece



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

Transforming innovation into climate action





EIT Climate - KIC Core Programs

EIT Climate KIC Accelerator - Greece

Accelerator



- Offers structured **business and commercial support** to European start-ups in the new climate economy. It is a **real-world business school** for clean tech entrepreneurs
- **Offers coaching, training, technology validation and office space**
- Selected start-ups benefit from funding, exposure to customers, partners and investors as well as access to an extensive relevant international network

<https://www.climate-kic.org/programmes/entrepreneurship/accelerator/>

- **Stage 1: Fundamentals**

Develop a **financial model** and figure out how to make money and scale your business. This stage comes with a **grant of up to €10,000**.

- **Stage 2: Validation**

Are you solving real customer problems? **Talk to customers and verify your business assumptions**. Grants in Stage 2 could add **up to €15,000**.

- **Stage 3: Delivery**

Find launching customers, development partners or investors. Form partnerships that make you grow fast. Get **up to €50,000**.

**FROM PROTOTYPE TO MARKET READY INNOVATION
ADAPTING TO: FLOODS, DROUGHTS & EXTREME WEATHER**

BRIGAIID
Bridging the Gap for Innovations
in Disaster Resilience

**BRIGAIID: BRIdging the GAP for
Innovations in Disaster resilience
DG RTD, Budget: 9,000,000 euro**

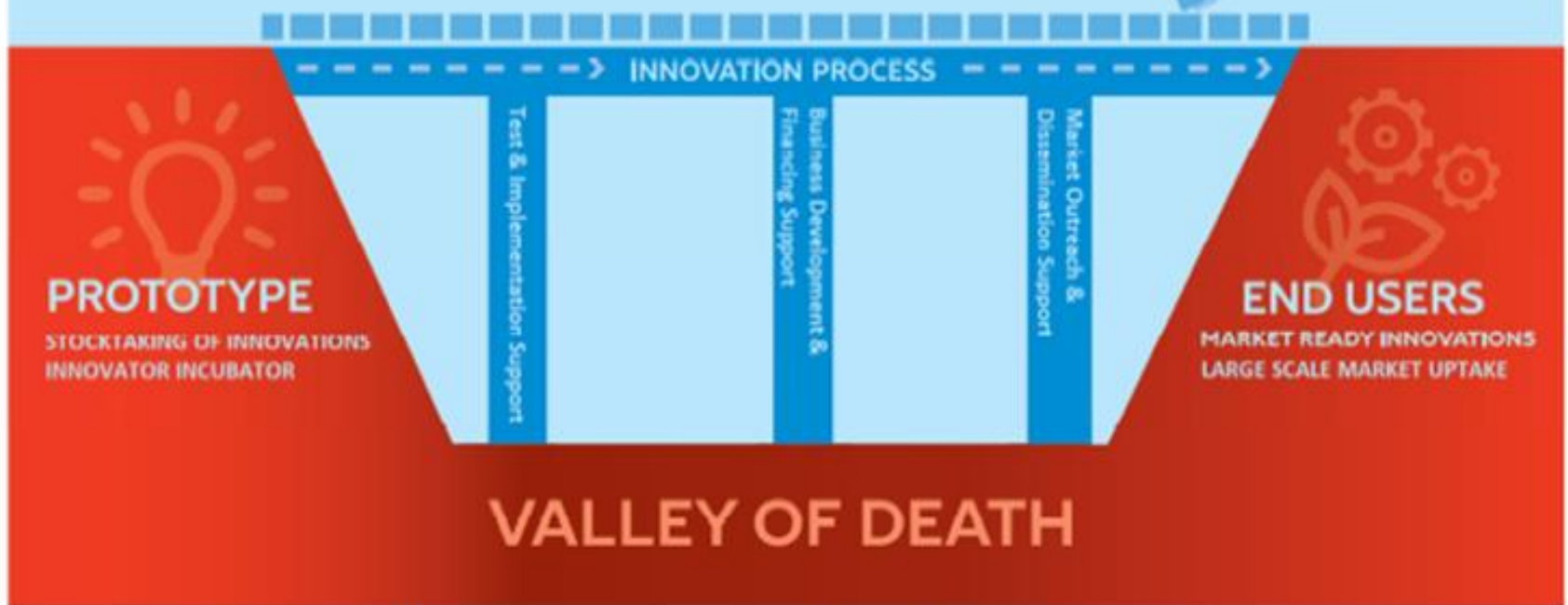


Figure 1.1: BRIGAIID's conceptual approach with three types support for innovations

SHARE AND DISCOVER CLIMATE INNOVATIONS

INNOVATIONS FOR CLIMATE CHANGE ADAPTATION

the EU reference marketplace where end-users and innovators can meet

Share your innovation

Show Innovations ▾ | All Hazards ▾ All Topics ▾ | View by Most Recent ▾



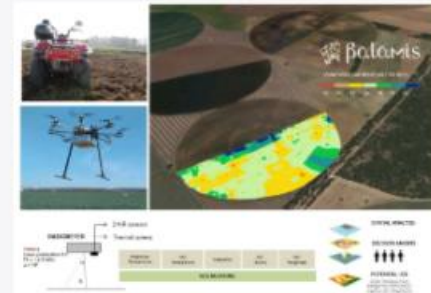
Disasters and ICT | Water Safety
MyFloodRisk (for business)

TRL 5



Disasters and ICT | Urban Areas
3C for Cities

TRL 6



Agriculture | Disasters and ICT
**ARIEL, soil moisture retrieval by
microwave remote sensing**

TRL 5

Pioneers into Practice

- Climate-KIC's professional mobility program Operates in over 16 locations across Europe
- Professionals from industry, small companies, universities, municipalities, governance, are offered an innovative blend of e-learning, workshops, coaching and placements by Host organizations active in the field of sustainability.
- Practical experience through 4 - 6 week placements
- 1 day International Workshop



<https://pioneers.climate-kic.org>

Climathon

<https://climathon.climate-kic.org/en/>

A **global movement** dedicated to solving the toughest climate challenges cities face today

This is manifested in a **24-hour hackathon** taking place simultaneously in major cities around the world

Citizens, city officials and partners connect under a shared vision for a healthier city and try to find innovative solutions

In 2018, 4 Climathons took place in Greek cities under the auspices of EIT Climate-KIC Hub Greece (Athens, Piraeus, Heraklion, Larissa)





Education and Training

International, Regional, National
Conferences, Workshops, Training
Seminars & Research, Policy,
Business Events

Athens
Next Climathon Event - 26 October 2018

**THE SECOND SUSTAINABILITY SUMMIT
FOR SOUTH-EAST EUROPE AND THE MEDITERRANEAN**
October 1st & 2nd 2018 • Hilton Athens Hotel

**RDA FISHERIES & ACQUACULTURE
Datathon**

ICRES Workshop
19 June 2017
Athens, Greece

SDG Academy

COURSES ABOUT US CONTINUE WITH EDX →

Free online courses from the world's leading experts on sustainable development

The SDG Academy creates and curates free massive open online courses and educational materials on sustainable development and the Sustainable Development Goals.

WATCH OUR TRAILER

ADVANCED POLICY WORKSHOP IN SUSTAINABILITY AND RESOURCE VALUATION

28 June 2017
Athens, Greece

Under the auspices of

ORGANIZERS

5th GLOBAQUA Training Course Economics of Sustainable Water Management in accordance to the Water Framework Directive, the Millennium Ecosystems Assess- ment & Sustainable Development Goals of the UN Agenda 2030

19-20 February 2018
Athens, Greece

Under the auspices of



Coordinator

The course is coordinated by Phoebe Koundouri, Professor of Economics and Econometrics, Athens University of Economics and Business (School of Economics) and London School of Economics (GCCEP), Scientific Director of ICRES, SDSN-Greece chair.



**EAERE 2017
Athens Greece**

ICRES
International Centre for Research
on the Environment & the Economy
www.icres.eu | Local Organizer

Coming Soon:

- MSc Energy Law and Economics
- Greek Sustainability Report
- Sustainability Summit, with the Economist, 16-17 Oct. 2019

Our Ongoing Projects



Institutional Support



DELFI ECONOMIC FORUM

INNOVATING FOR CLIMATE RESILIENCE:

Aligning capital allocations and rewiring finance through innovation

- Andreas Papandreou, Professor of Environmental Economics, National & Kapodistrian University of Athens, Greece
- Demetres Karavellas, CEO, WWF, Greece
- Dimitri Zenghelis, Visiting Research Fellow, Grantham Research Institute on Climate Change, LSE
- Thanh-Tam Le, Director, Climate-KIC France and the Mediterranean
- Nicolaos Keramydas, EU Affairs Director at MYTILINEOS HOLDINGS S. A.

Greece Performance

Index Score: 70.6

Regional Average 76.9

Overall Rank: 48 out of 156

▼ CURRENT ASSESSMENT – SDG DASHBOARD



▼ SDG TRENDS

