



HEPTA

Helmholtz European Partnership for Technology Advances in Climate, Energy and Environment: Research and Innovation

Athens, 18. November 2019

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ΑΡΙΣΤΟΤΕΛΕΙΟ
ΠΑΝΕΠΙΣΤΗΜΙΟ
ΘΕΣΣΑΛΟΝΙΚΗΣ

- Founded in 1925, largest university in Greece
- 10 faculties with 40 schools
- Over 70000 students (45% of Greek Erasmus+), over 3000 staff
- Long history of collaboration with KIT (since late 1980's)
- Thessaloniki hosts the KIT Alumni Club Greece (since 1996)
- Founding Member of EPICUR – The European University (2019)



Karlsruhe Institute of Technology

- Founded in 1825, first Polytechnical School in Germany
- 5 Divisions, 11 faculties with 43 schools
- Over 25000 students (24% international), ca. 9000 staff (20% international)
- University of Excellence (Exzellenzuniversität), first 2006 and again 2019
- Founding Member of „EUCOR – The European Campus“ EVTZ (2015)
- Founding Member of „EPICUR – The European University“ (2019)



“European Partnership for an Innovative Campus Unifying Regions” (EPICUR) – founded 2019

University of Amsterdam

University of Freiburg

University of Haute-Alsace

Karlsruhe Institute of Technology (KIT)

Adam Mickiewicz University, Poznań

University of Strasbourg

Aristotle University of Thessaloniki (AUTH)

University of Natural Resources and Life Sciences, Vienna



Erasmus+

HEPTA: Project Description (1)



- Based on long-term cooperation between AUTh and KIT (involvement of 4 reputed Laboratories in each institution)
- Bottom-up process with many motivated scientists
- Helmholtz and KIT research areas: „Energy“ & „Earth and Environment“, overarching frame: Climate, Energy and Environment
- 4 Work Packages: (1) Air Quality in Smart Cities (2) Atmospheric Physics
(3) Energy – Synthetic Fuels (4) Biomass - Bioeconomy
- Focus on promotion of early-career researchers
- Exchange of scientists, students, joint summer (and winter) schools
- Budget:
 - total 3,75 M€ (1,25 M€ provided by the Helmholtz Association) with equal contributions AUTh-KIT; duration: 5 years
 - additional external funding (DAAD, EU, bi-lateral frameworks DE-GR)

HEPTA: Project Description (2)



- Scientific program: 3 objectives
 - to establish a formal link in the field of technological advancement between AUTH and KIT, on the basis of several already existing collaborations, with particular focus on Air Quality in Smart Cities, Atmospheric Processes, Synthetic Fuels and Bioeconomy, all in the context of Climate Change, Energy Transition, and Environmental Sustainability;
 - to educate the next generation of young researchers, with an equal proportion of women and men, to be able to cope with the problems of our future, and to transfer the knowledge from research into innovation, together with industry;
 - to further develop cooperation with industry in both institutions with a long perspective.
- Strengths: expertise of involved scientists, long history of collaboration
- Strategic relevance: complements our research portfolio, fits to both institutions' ambitions for Europe, beneficial for both science systems

HEPTA: Strategic Relevance (1)



State Secretary Thomas Rachel (BMBF), Athens, 12.6.2019



„We know that the great global challenges can only be mastered in international cooperation.

Therefore, it is our goal to strengthen the collaboration with international partners.

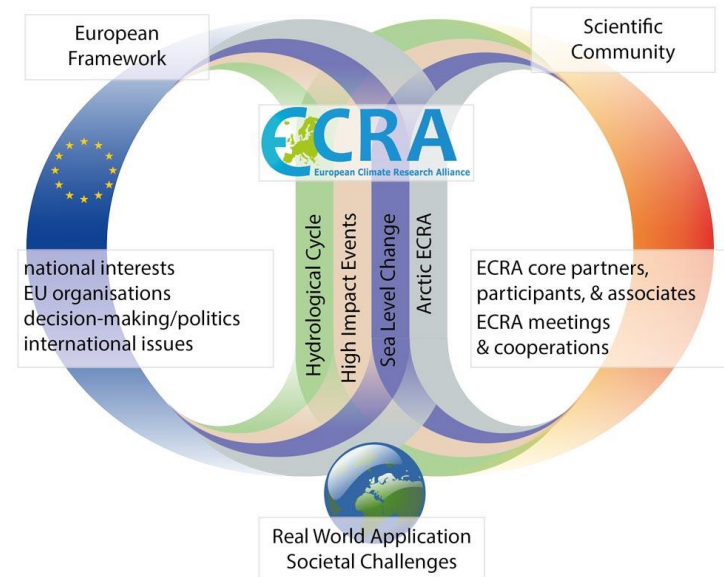
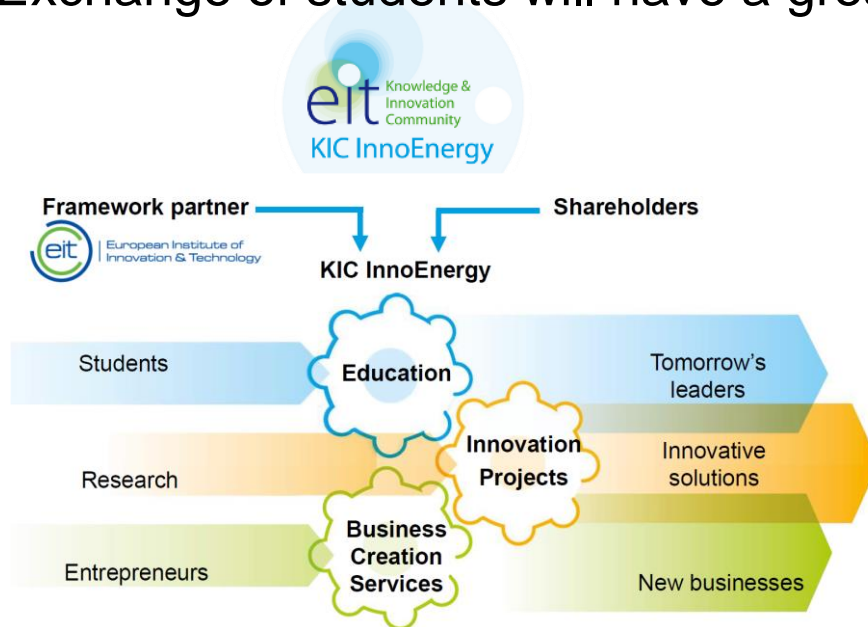
Greece with its excellent scientists is indeed an outstanding partner in this respect.“

<https://www.bmbf.de/de/zusammenarbeit-mit-internationalen-partnern-staerken-8885.html>

HEPTA: Strategic Relevance (2)



- Strengthening scientific cooperation for Energy, Climate and Environment
- Building on and extending KIC-InnoEnergy, ECRA, and EPICUR
- Builds on German-Greek action plan (re-newed in 2016 and 2019)
- All themes are of highest strategic relevance for both partners
- Exchange of students will have a great impact on their careers





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Thank you !



1st AUTH/KIT Workshop, Thessaloniki, 09.07.2018