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- Innovation Manager at the Innovation & Entrepreneurship Department of CyI, a European research, academic & innovation organization working towards the creation of a knowledge-based economy for Eastern Mediterranean and Middle region, specializing on climate change & energy/water adaptation, management, built environment, high performance and digital approaches computing cultural heritage and archaeology.
- Over 18 years of working experience in ICT, telecoms smart technologies and (R&D, commercial), product & services development, IP & technology transfer, acceleration entrepreneurial of new initiatives, open and impact innovation. PhD & MEng in Electrical and Electronic Engineering(Imperial College, London) / MBA (University of Cyprus)









Building Resilience of Natural Infrastructures & Communities through Technology, Innovation and Entrepreneurship







What the future holds for **Cyprus**

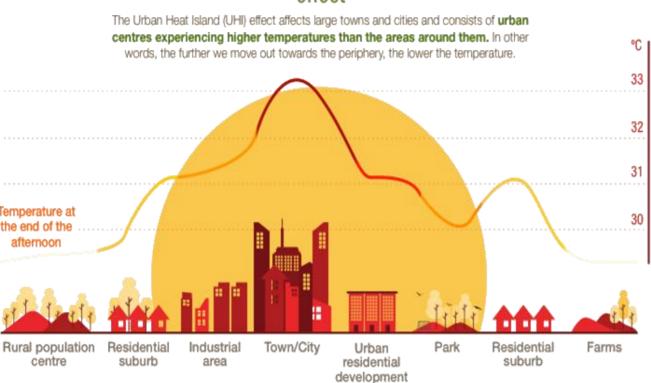


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Prolonged heat waves/ Deteriorating Air Quality

The urban heat island



Source: World Meteorological Organization

Water Scarcity

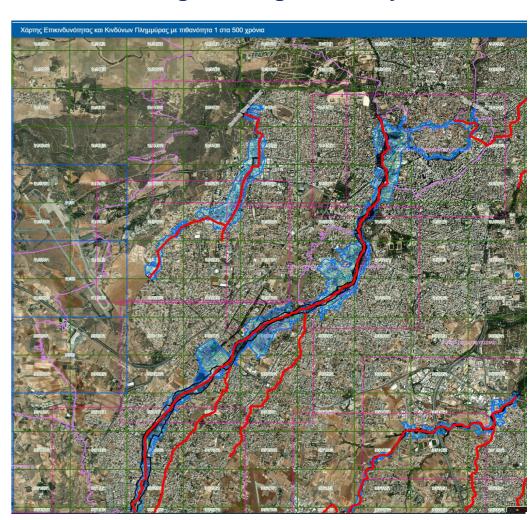


The Kourris reservoir during the drought of 2008 Source: Cyprus-mail.com



Source: nbcnews.com

Urban flooding from high-intensity rainstorms



Source: https://civildefence.com.cy/floodmaps/

"Cyprus turns off taps to farmers as fresh water levels drop"

"Countries in the eastern Mediterranean are increasingly vulnerable to drought as the changing climate brings higher temperatures and less precipitation"







Our Role and Responsibility



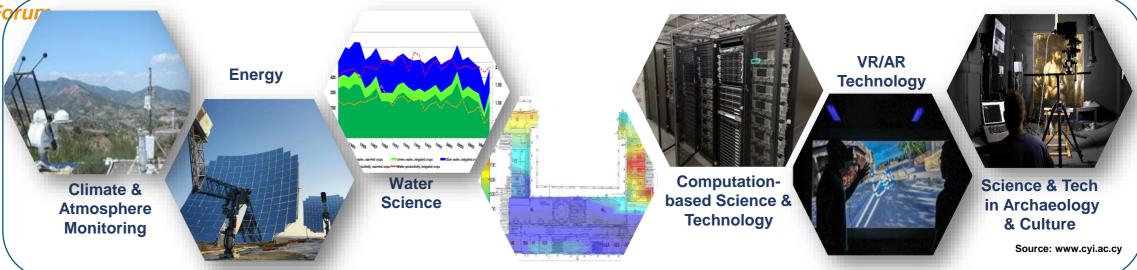
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Oman Society for Petroleum Services

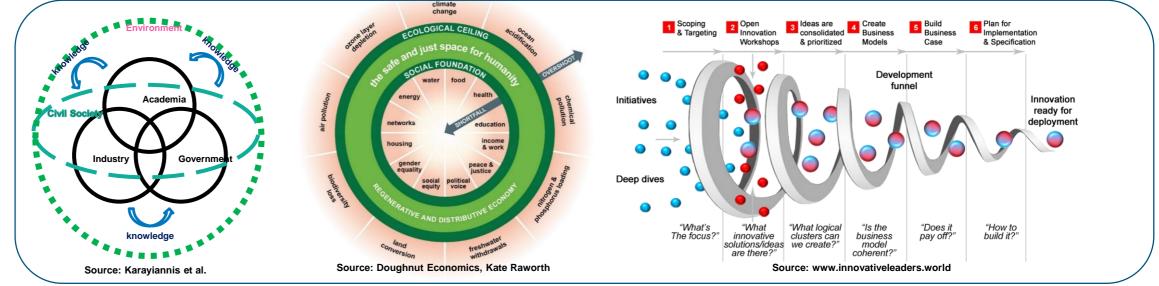
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Science, Technology & Research Infrastructures



Open Innovation, Sustainable Development & Entrepreneurship





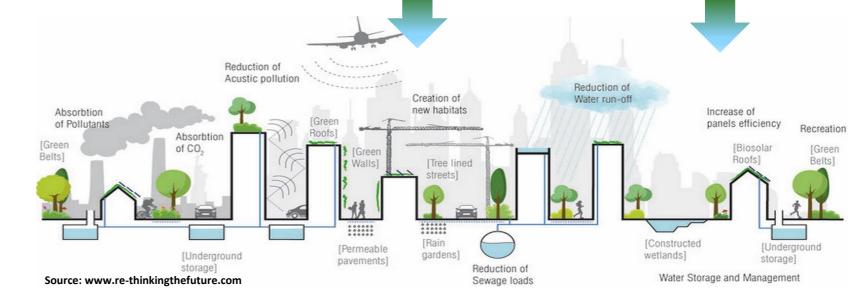


Society Environment

Community

Prosperity







The Pedieos River Basin Case



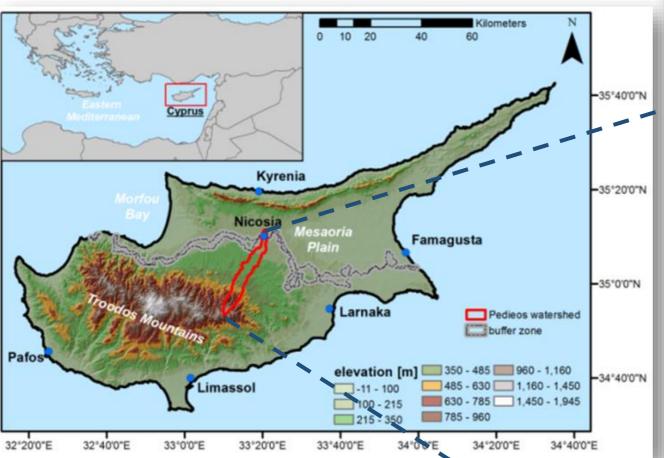
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> WATER AND HUMANITY

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A Place-Based Case Study



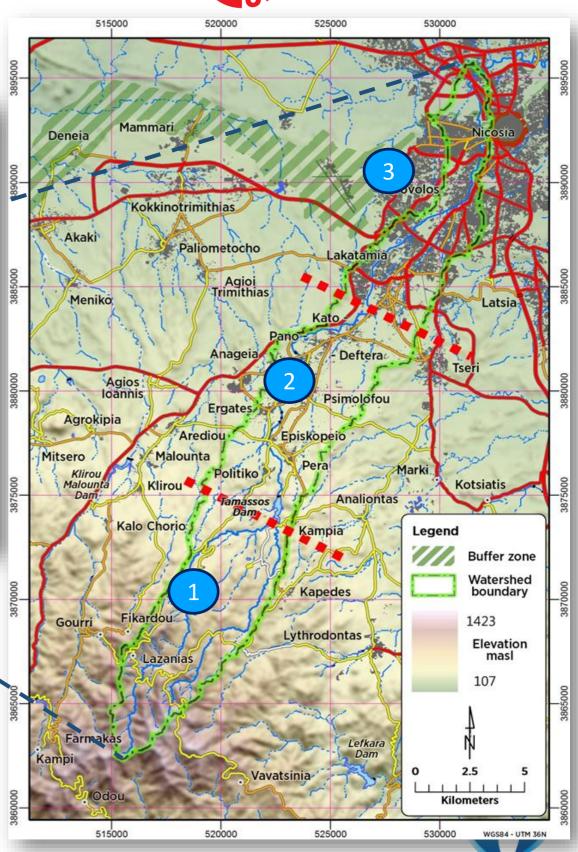
«Ιδεϊ-Εος» (idei – = The one who 'sees' eos) towards the SunRise

The longest river in Cyprus: beginning from the mountain of Troodos and ending in the gulf of Famagusta

Length of 98 km

Watershed of 100km²







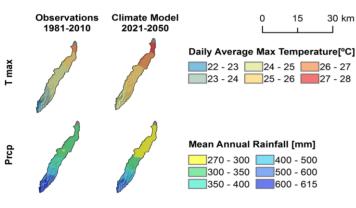
Climate adaptation and Water management on Pedieos River Basin



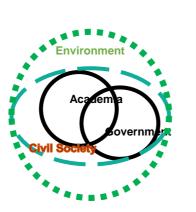
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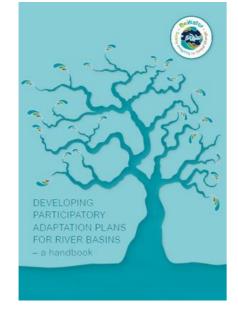


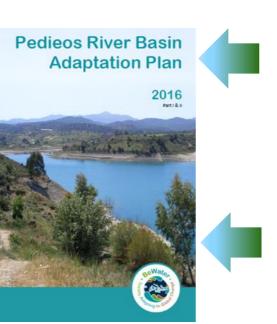
Projections from Regional Climate Models statistically downscaled for the Pedieos River Basin

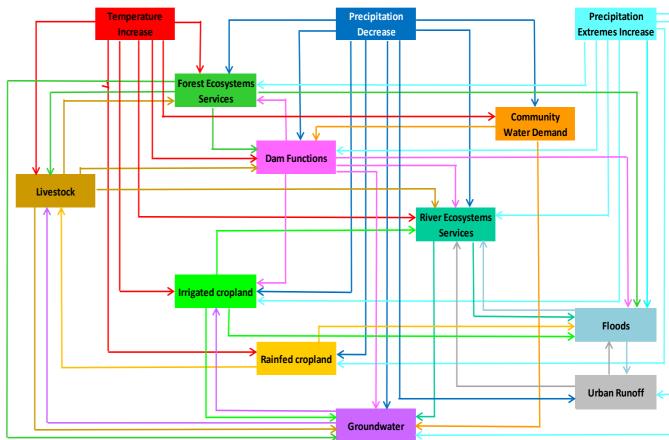




System -based mapping to assess impacts of climate change and water management options on Pedieos River Basin









https://www.ecologic.eu/14498



Digital Tools and Methods

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HUMANITY

Scientific Methods-

- **Data flow & visualization**
- **Climate models** (temperature, precipitation, air quality)

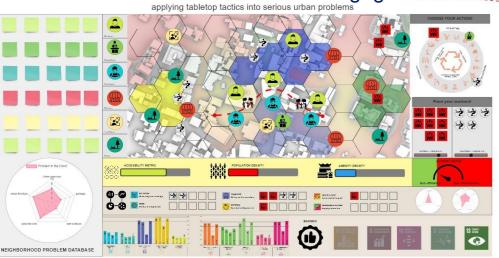


Objectives -

- To support the collective development of urban-natural corridors
- To promote openness, access, sharing
 - Our effort is to Mobilize citizen involvement, engage communities and eventually enable social groups to participate in the reactivation, of neglected (public) spaces

Create browse comment general green

Board Game for Stake folder Engagement applying tabletop tactics into serious urban problems



The goal of this pipeline is to create a seamless transition between computational tools and collaborative practices infused with data along the process. The game acts as a collaborative medium, dictating the rules of conduct in order to engage competing stakeholders

Accessibility Analysis & Evaluation

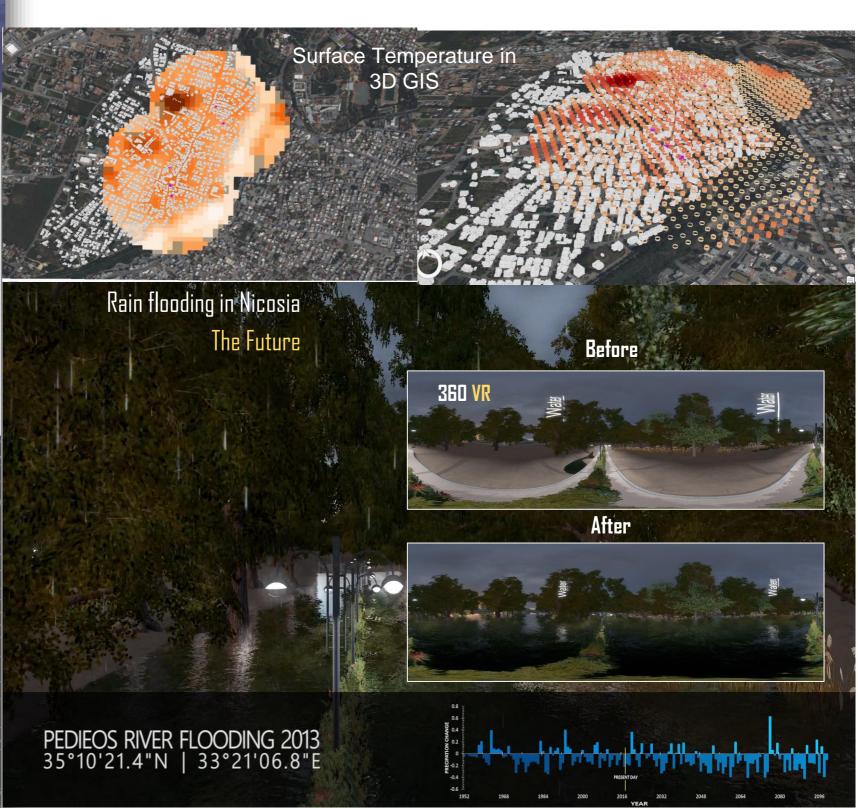
Digital Enablers

Designing Nicosia urban space through data enabled participatory practices

For Deeper engagement of stakeholders

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URBAN SUSTAINABLE DEVELOPMENT SOLUTIONS VALUING ENTREPRENEURSHIP



TRAINING FOR YOUTH GRADUATES AND WOMEN



60
ENTREPRENEURIAL IDEAS IDENTIFIED AND SUPPORTED



500K & BUSINESS ACCELERATION SERVICES





ENTREPRENEURS
LAUNCHED NEW
CREATIVE PROJECTS





240K E





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GOAL

Create a model of urban development based on innovation and creativity

WHY

Address sustainable development challenges through behavioral changes

THEMATIC PRIORITIES

Urban &

Sustainable Energy

Transport Planning Waste management

7 AFFORDABLE AND CLEAN ENERGY









Beneficiaries



Entrepreneurs



Areas

n Sta



Environments

FOCUS

Creative Sector

Place of ideas implementation/ pilots : Strovolos Municipality / Pedieos (urban part)









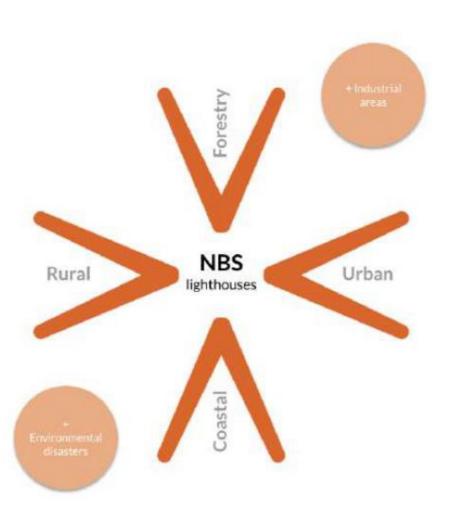
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More Than Green

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Lighthouses of transformative naturebased solutions for inclusive communities



NBS Lighthouse: 'metaphor' for set of local

arrangements & instruments

Foundation: Concerted & Networked group of

multiple actors committed with enhancing NBS contributions towards interlinked ecological, social and economic targets.

How: Testing new governance models and co-

creation approaches and tools on small scale but big-picture projects that can be

upscaled over time.

CY Pilot: Pedieos River bank (urban/rural-forest)

Lighthouse Composition

Living Knowledge Labs Assessment cases Pilot cases

International Observers

Ongoing assessment for prioritizing citizen and stakeholder perspectives on how they value NBS







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-Links-

https://www.cyi.ac.cy
https://www.cyi.ac.cy/index.php/research/in
novation-andentrepreneurship/overview.html



