

# Developing an innovative entrepreneurship ecosystem in Chania

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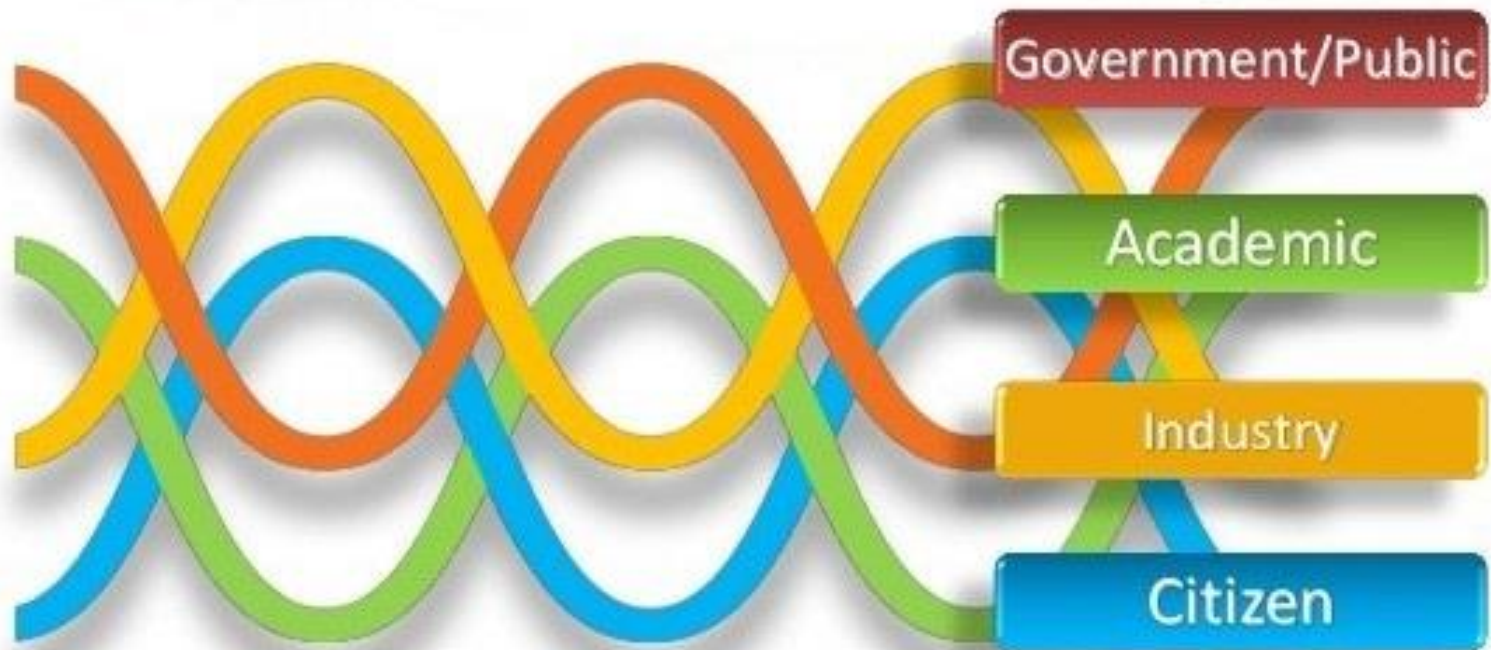


# Success factors of innovation ecosystems

- Innovation ecosystem
  - The place where the relationships formed between the actors/entities are reflected, and whose functional purpose is to allow technological development and innovation, integrating the above two types of ecosystems: exploration (knowledge) and exploitation (business)
- Actors in an innovation ecosystem
  - Academia
  - Industry
  - Government
  - Social society

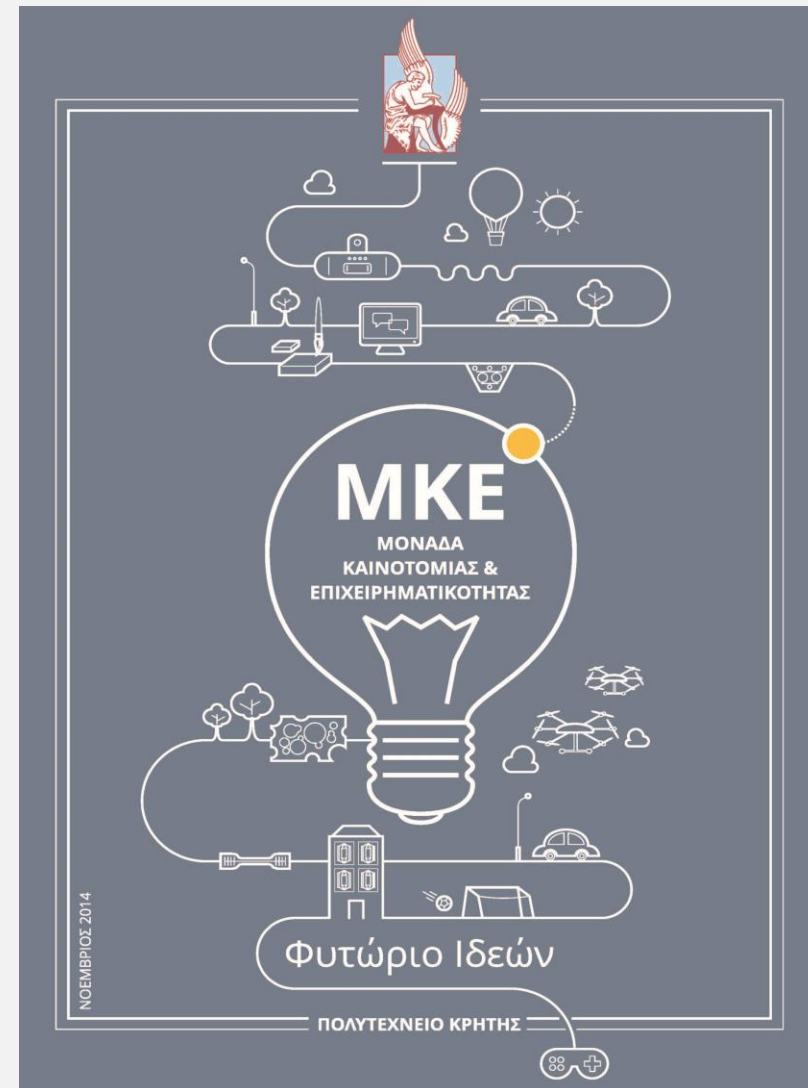


# Quadruple Helix Innovation Model



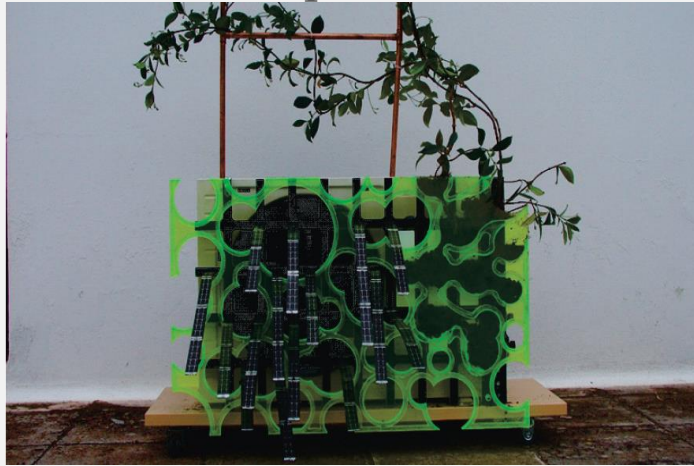
# Innovation and Entrepreneurship Unit of TUC

- Main aim
  - Encouraging actions about innovation
  - Developing an entrepreneurship culture
  - Support for entrepreneurship efforts
- Main actions
  - Course and seminars
  - Educational trips
  - Mentoring
  - Innovation projects (prototypes)

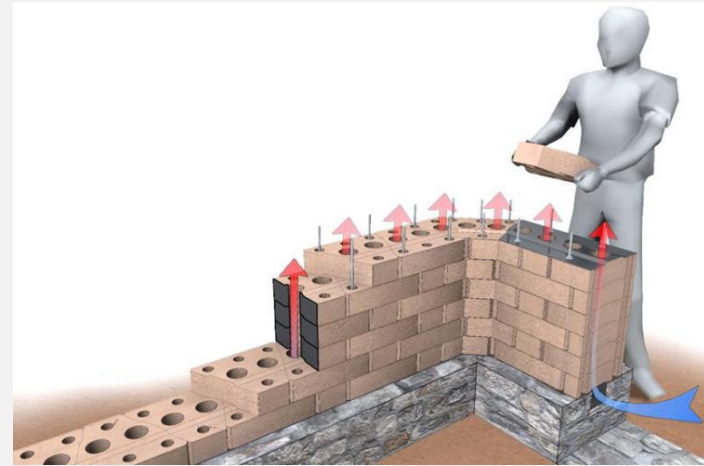


# Examples of student's projects

Airpotion



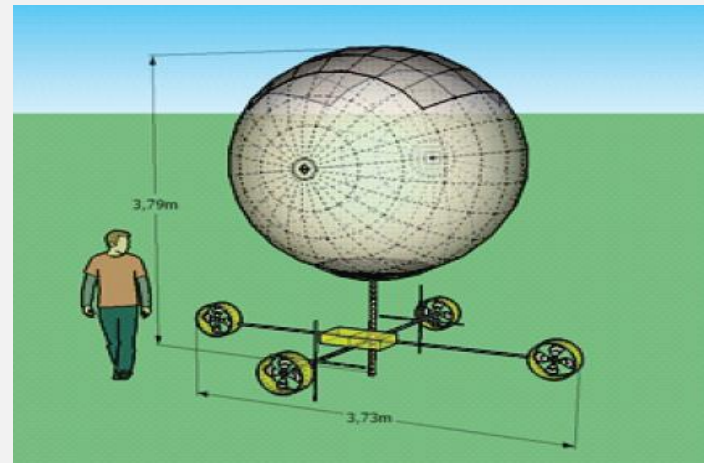
Plethro



TUCER



Daedalus



# Recent data about Crete

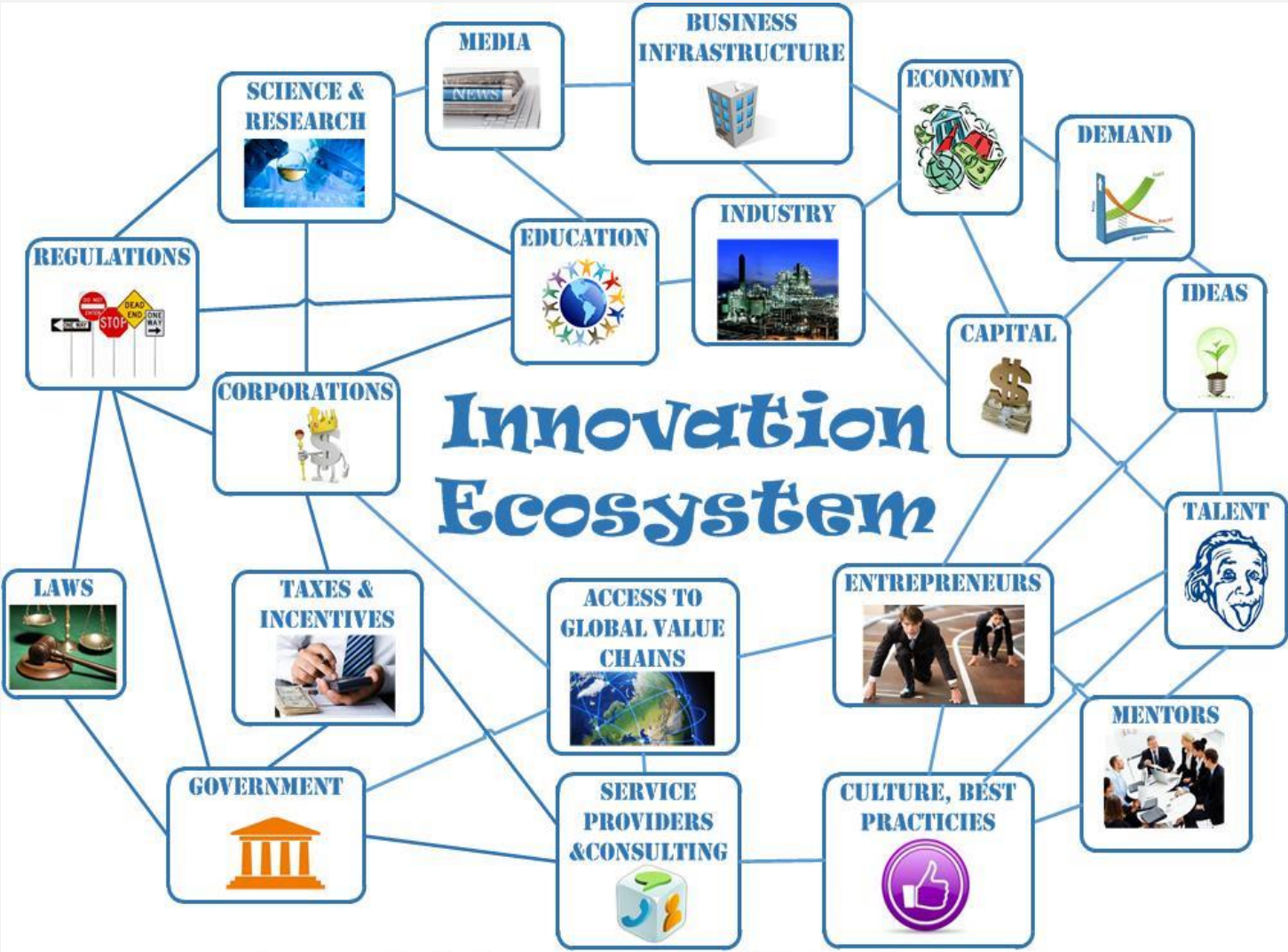
- Academia and industry
  - Strong academic and research institutions
  - Several extroverted companies
- Collaborations and research
  - Regional Innovation Council
  - Research projects with the industry
  - RIS3
- Crete is the 1<sup>st</sup> Greek region regarding
  - R&D intensity (1.55% R&D expenditures as % of regional GDP)
  - R&D employment (1.89% R&D employment as % of total employment)
  - Citation index (7.23 average citations per publication)

# Necessary conditions and proposals

- Apply a quadruple helix approach
  - Consider all 4 actors
  - Intertwined processes of co-opetition, co-evolution, and co-specialization
  - Focus on knowledge production and exploitation
- Strategic development plan
  - Constant structures
  - Systematic procedures
  - Permanent collaborations
- Other critical issues
  - Emphasis on quantity
  - Market-driven and technology-driven innovation



# Global/local innovation ecosystem





*“...Innovation is the  
outcome of a habit,  
not a random act...”*

Sukant Ratnakar

