



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Promoting education and training in urban agriculture building on international projects at the research centre on urban environment for agriculture and biodiversity

Giuseppina Pennisi

Department of Agricultural and Food Sciences –
University of Bologna

Who I am and what is the REsearch Center on Urban Environment for Agriculture and Biodiversity ?



Giuseppina Pennisi



<https://site.unibo.it/rescue-ab/en>

- To develop and promote of urban agriculture projects within European cities but also in cities in the south of the world
- To develop and promote education and training activities related to urban agriculture.



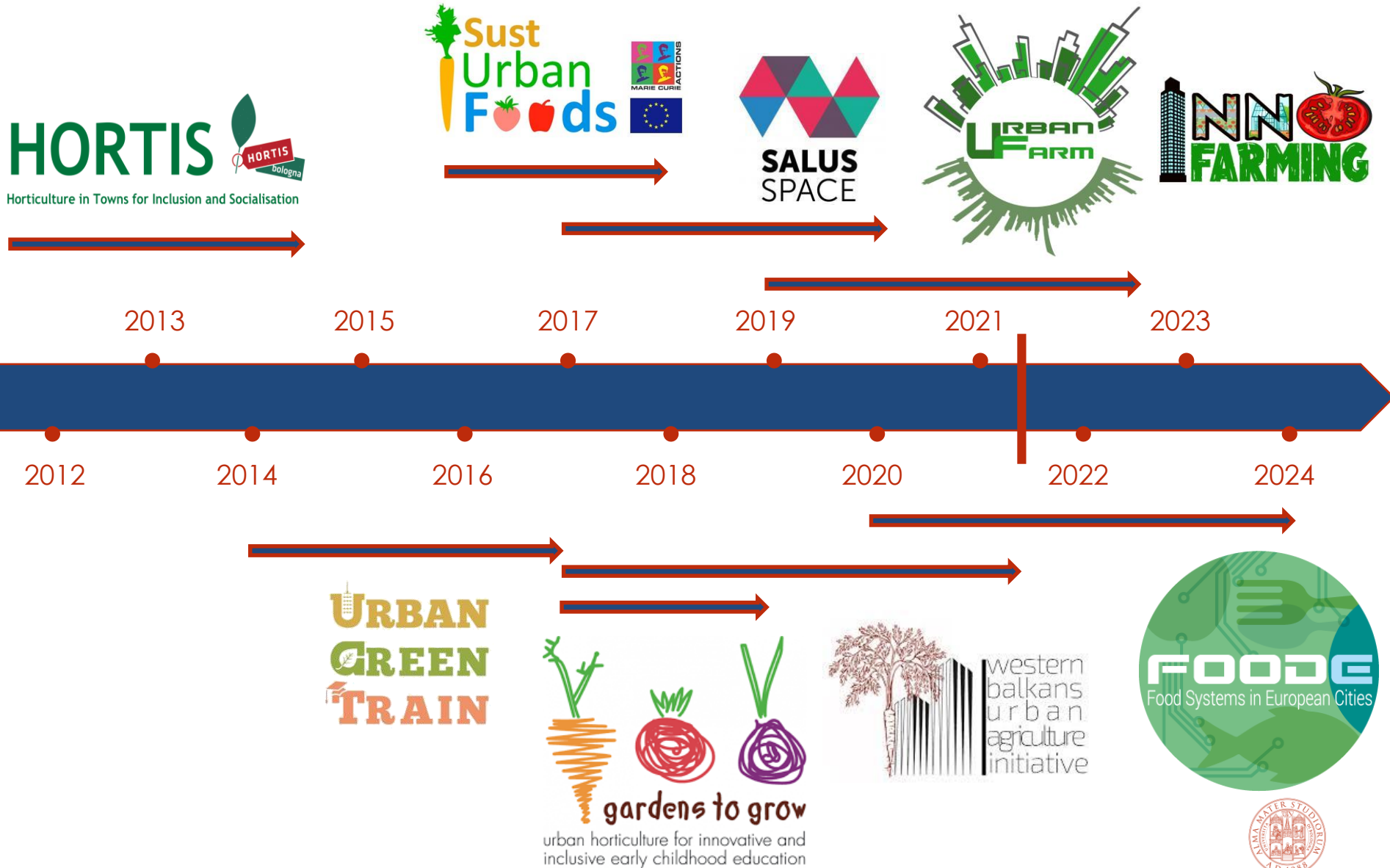
Why urban agriculture is a very interesting topic for education and training activities?



Thanks to its multifunctionality!



What has been done by Unibo and partners in the last ten years?



The GARDENS TO GROW project

2017-2019

Leaded by EXPLORA Science Museum

Partners from 4 european countries: Italy, Spain, UK, Bulgaria



Focused on creation of didactic gardens in primary schools



Promote the adoption of innovative and inclusive pedagogical practices at the preschool level based on urban and social horticulture



Strengthen the role of the teaching profession by supporting teachers in managing diversity in the classroom (including pupils with migration experiences) with hands-on, informal horticulture-based activities

Users:

750 teachers trained

720 child involved in piloting training courses



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The GARDENS TO GROW project: outputs



Creating, testing and validating a curriculum for teachers and school managers



Identification of optimal features of gardens for early-childhood education



urban horticulture for innovative and inclusive early childhood education

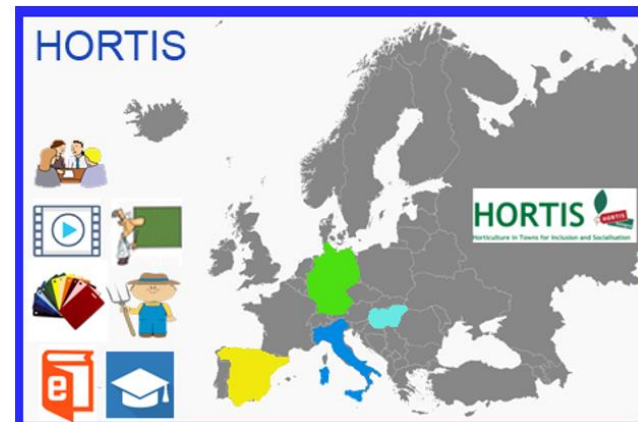
	Italy	Spain	Bulgaria	UK	Total
Schools	20	17	16	9	62
Organisations	19	14	6	7	46

The HORTIS project

2012-2014

Leaded by UNIBO

Partners from 4 european countries: Italy, Spain,
Germany, Hungary



Focused on urban allotment gardens development



To train a new
generation of trainers on
community gardening
able to set up and run
community gardens



To engage unemployed
adults in training courses
on how to create and
maintain a garden

Users:

110 teachers trained
280 people involved in
piloting training courses



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The HORTIS project: outputs

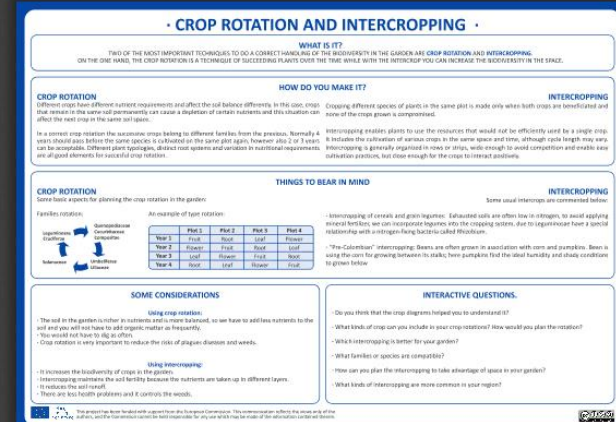
<https://site.unibo.it/hortis/en/the-project>

User needs analysis

Pilot course



Icebreakers,
Plastic cards
and e-books



The URBANGREENTRAIN project

2014-2017

Leaded by UNIBO

Partners from 4 european countries: France,
The Netherlands, Germany, Italy



Focused on to encourage business oriented initiatives in Urban Agriculture



To innovate curricula and learning methods in Higher Education, expanding existing forms of University-Society-Business Cooperation and crossing sectoral, disciplinary and national boundaries



To engage unemployed adults in training courses on how to create and maintain a garden

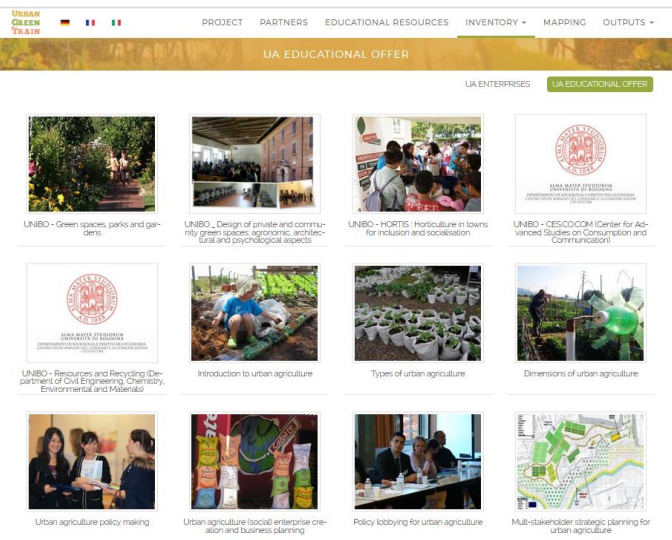


To respond to the EU labour market need of highly qualified and entrepreneurial graduates in this field



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The URBANGREENTRAIN project: outputs



Database of the innovative UA enterprises and existing educational resources



Creating, testing and validating a curriculum on entrepreneurial UA in different European Regions

150 hours load

5 modules and 5 ECTS

120 students for the piloting section



The BUGI project

2017-2021

Leaded by University of Sarajevo

Partners from Germany, Slovenia, Italy, B&H,
Montenegro and Kosovo



Focused on the development of a master degree and LLL programme



To enhance WB universities
visibility and capacity to deliver
more attractive education and
trainings in line with WB countries
needs according to the best
European practices



To conduct campaigns to
promote urban agriculture and
to exploit project outcomes for
development of urban policies
and strategies in collaboration
with local authorities



To enhance urban sustainability
and green economy
development in WB countries
with inclusion of entrepreneurial
sector and farmers by proposing
new business models and
revenue oriented strategies in
urban agriculture



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The BUGI project: outputs

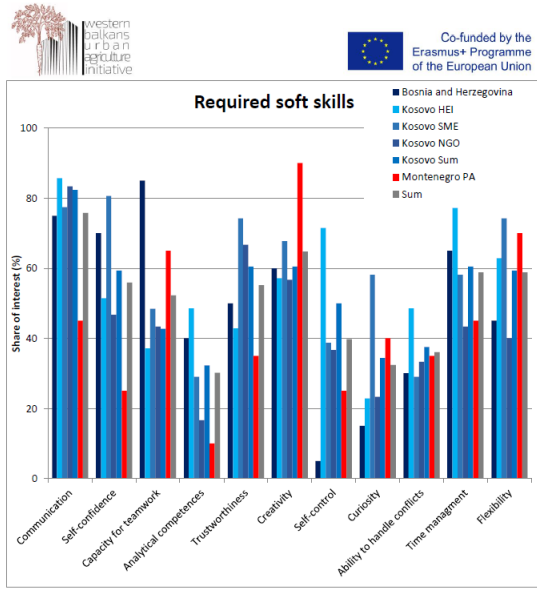


Figure 6: Required soft skills for UA entrepreneurial education

Creating and developing a master programme on entrepreneurial UA and a LLL programme

120 ECTS

Needs analysis on necessary skills needs and missing requirements

UrbanFarm International Students Challenge



URBANFARM



INTERNATIONAL STUDENT CHALLENGE



DYNAMIC LEARNING

THINK. CREATE. EVOLVE AND ADAPT YOUR PROJECT.



MULTIDISCIPLINARY APPROACH

INTEGRATE COMPETENCES AND SKILLS FROM AGRONOMY AND HORTICULTURE, ARCHITECTURE, ENGINEERING, ECONOMICS, HUMAN, SOCIAL AND ENVIRONMENTAL SCIENCES.



ETHICS AND BUSINESS

REAL CONTEXTS
REAL CHOICES
REAL IMPLICATIONS

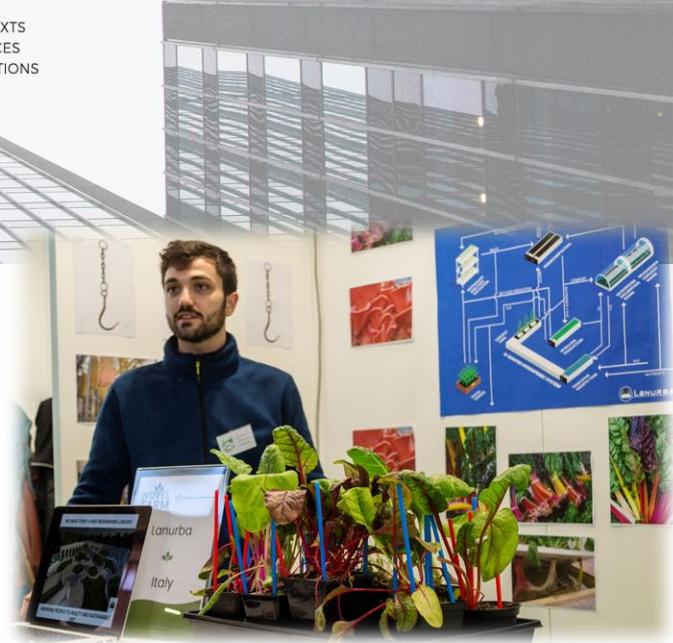


WIN!

THE 3 BEST PROJECTS ARE AWARDED WITH A 12'000 € JACKPOT



<https://site.unibo.it/urban-farm/en>



Structure of the challenge

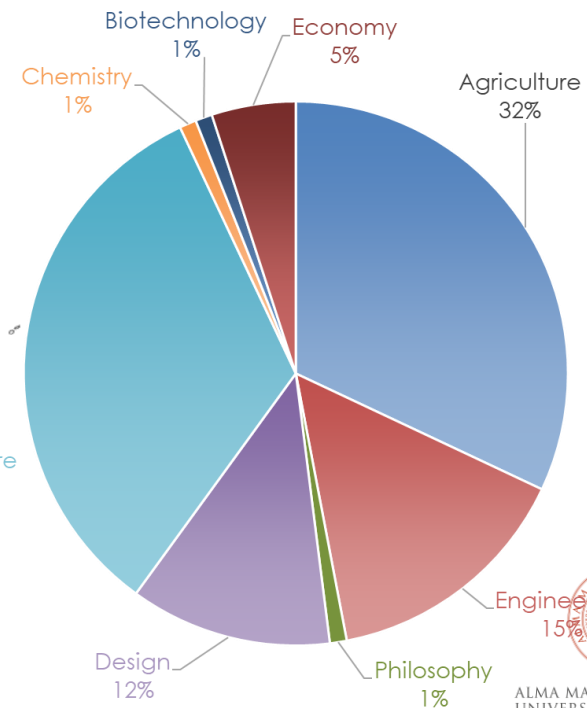
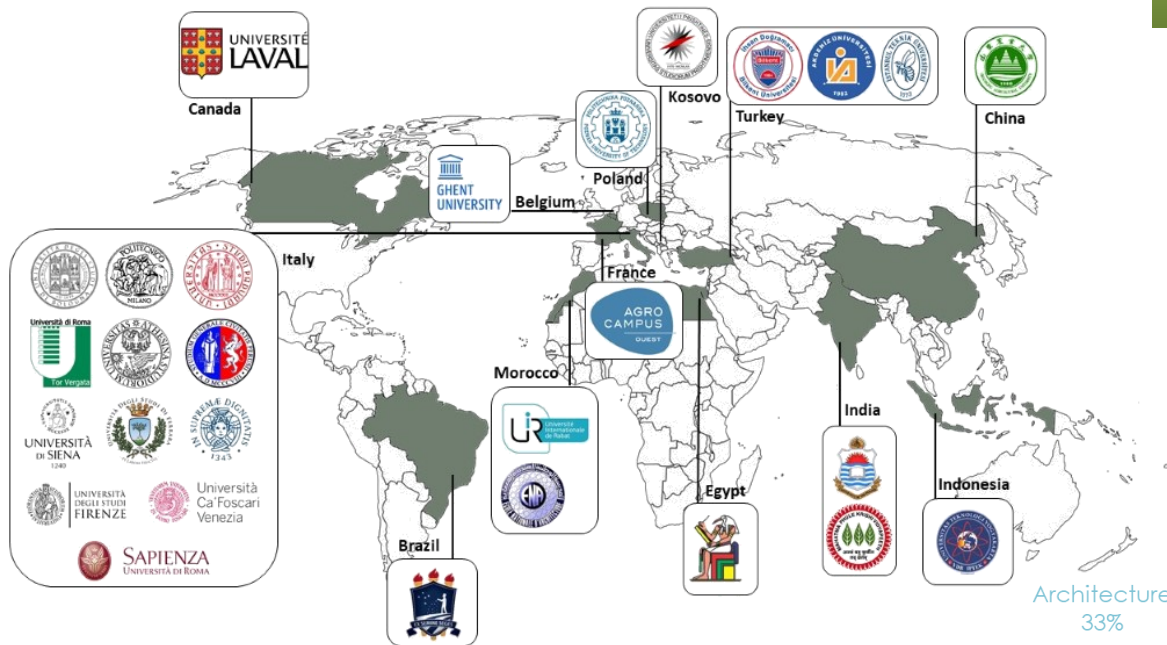
	Material to be delivered
Round 1	Concept of the project (2000 word) + 2-minutes video (team presentation)
Round 2	Whole project organized in sections (agricultural, architecture, economy, social sustainability)+ 2-minutes video (project presentation) + proof of concept + team photo
Final	Designers market + Final pitch with International Jury





The first edition

130 students,
35 international
teams

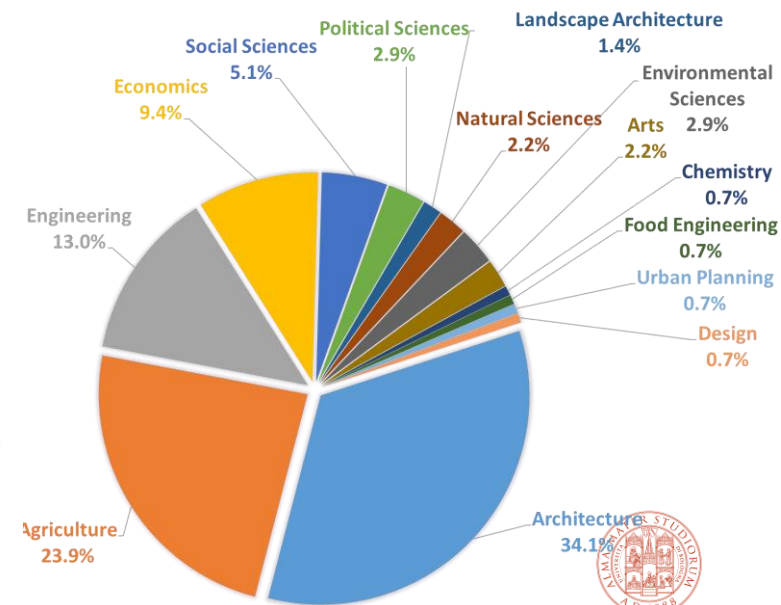
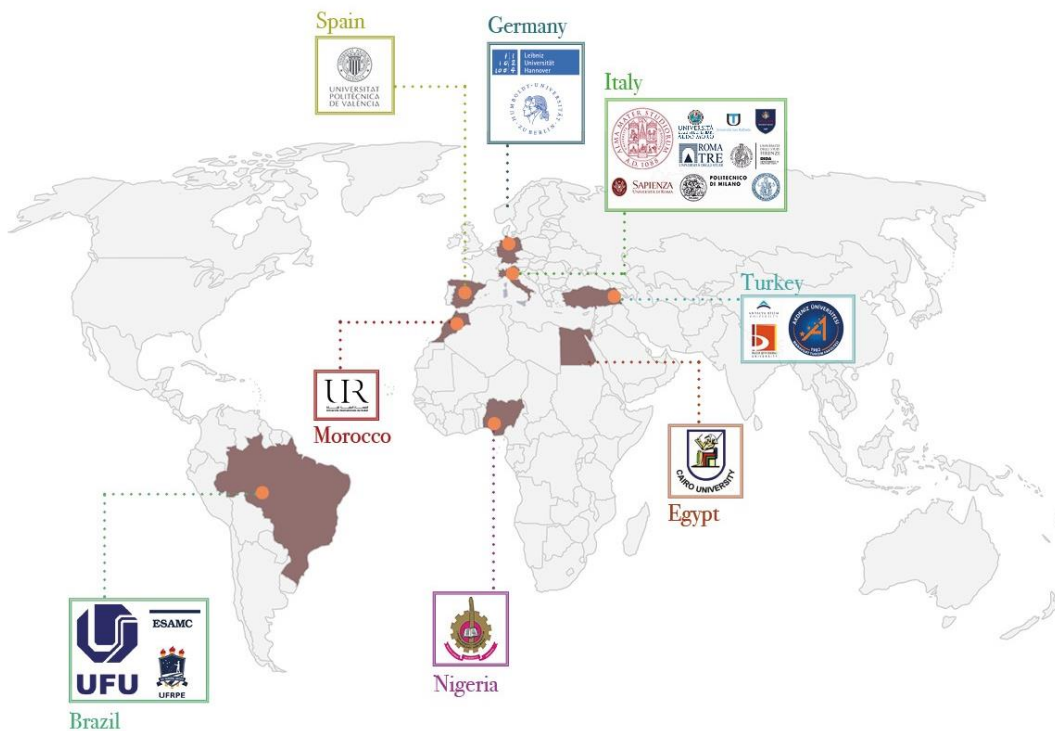


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The second edition

132 students,
18 international
teams

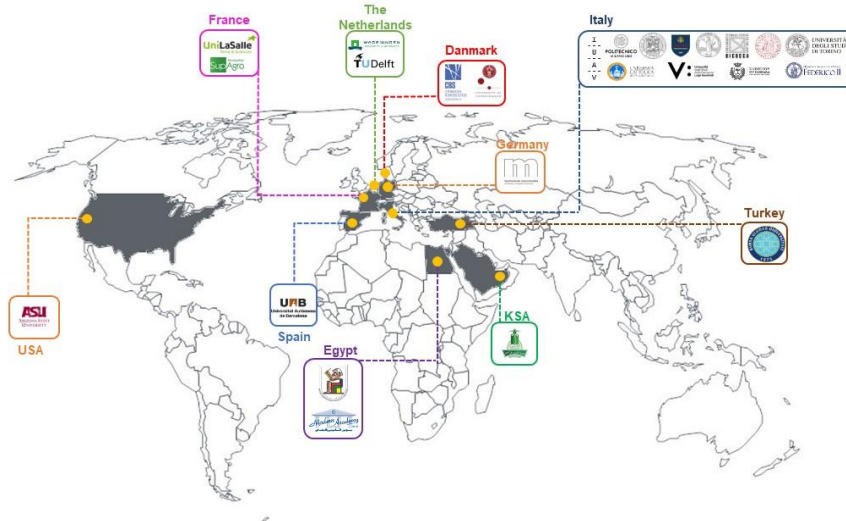




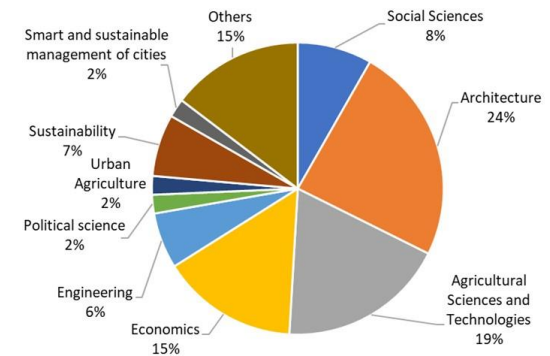
The third edition

167 students,
26 international
teams

Participants' home universities



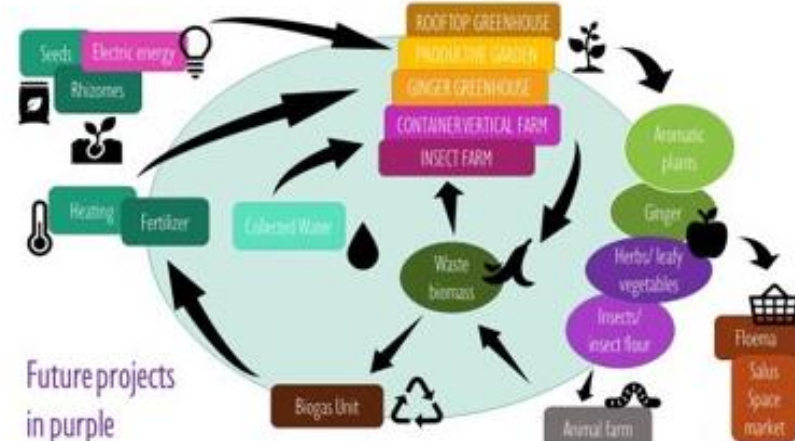
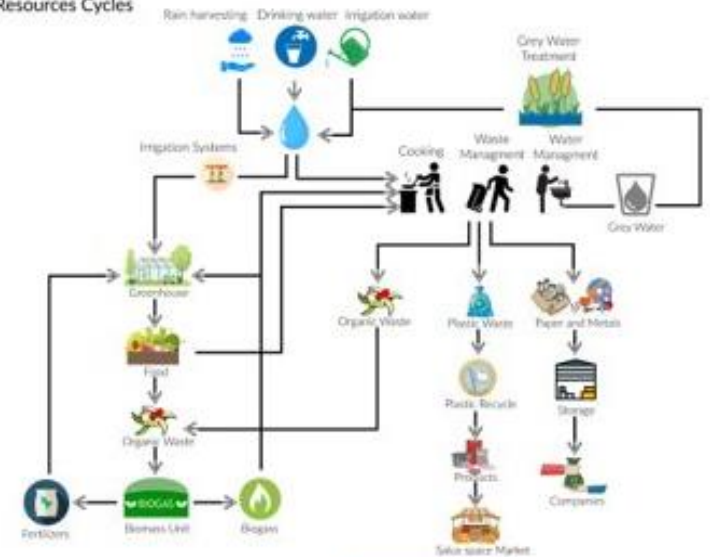
Participants' study sector



After: Team Soul Farmers



Resources Cycles





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Thanks for your attention

Giuseppina Pennisi

giuseppina.pennisi@unibo.it

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