

Why focusing on cities?



- Population
 72% of EU live in cities
- **Territory**2% of land occupied
- **Polution** 80% of GGEs









Change of paradigm...



Integration of migrants

Digital switchover

Housing

Circular economy





Cultural heritage

Demographic change

Job&Skills in local economy



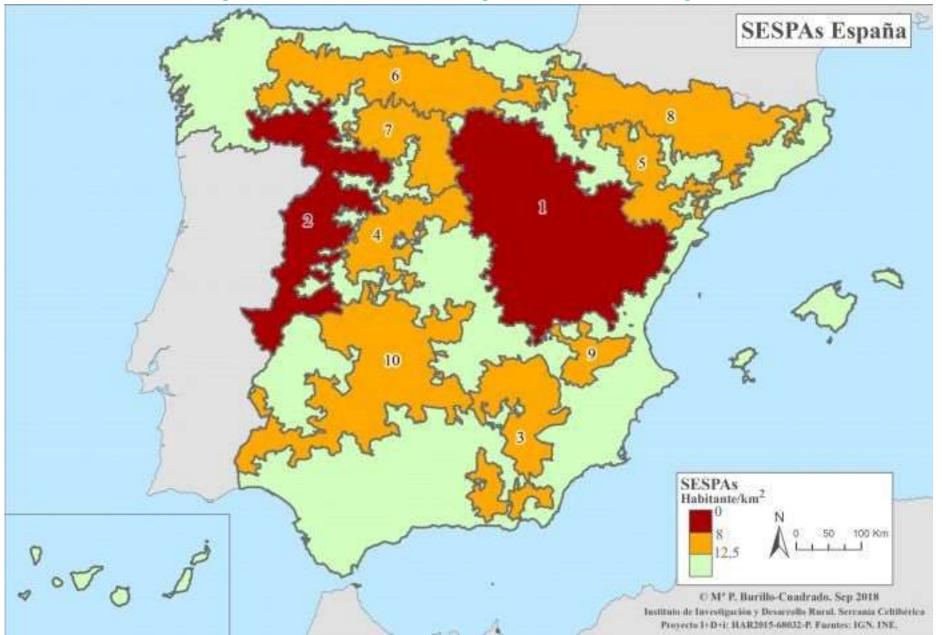


Where did the project start?



It started with a problem... Spanish Lapland









The Empty Spain... rural?







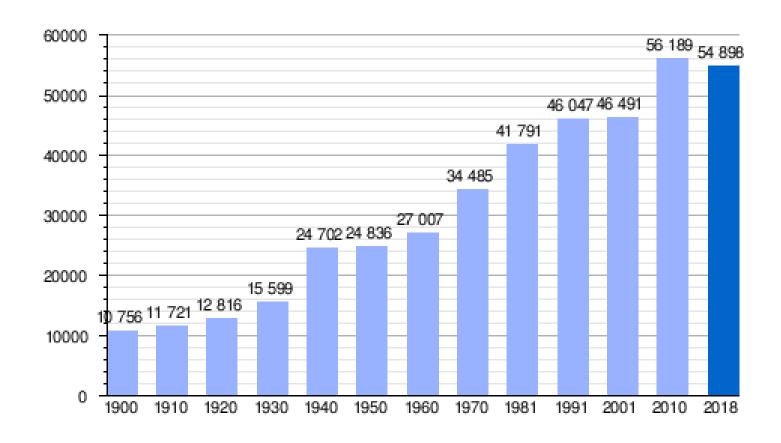




...but also urban



Population in the city of Cuenca (1900 – 2018)







A problem becomes a challenge if it is reformulated into a demanding task





Leverage on an asset







Challenge





City of Cuenca owns more than 50.000 hectares hectares



Underexploited forest



Unemployment and depopulation



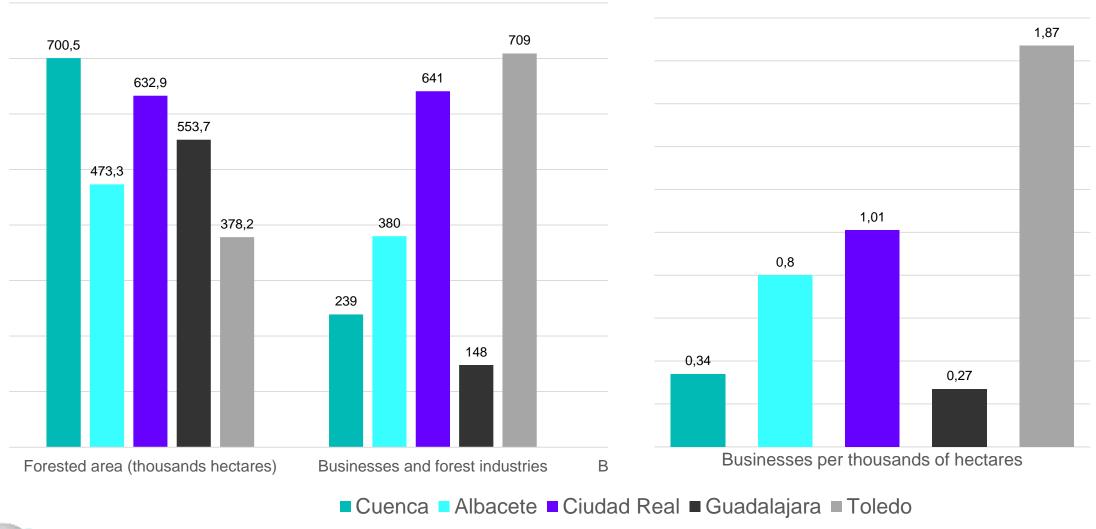
Lack of university and training offer

Seize the social, economic and environmental benefits that forest and bioeconomy can provide to Cuenca.



Then?



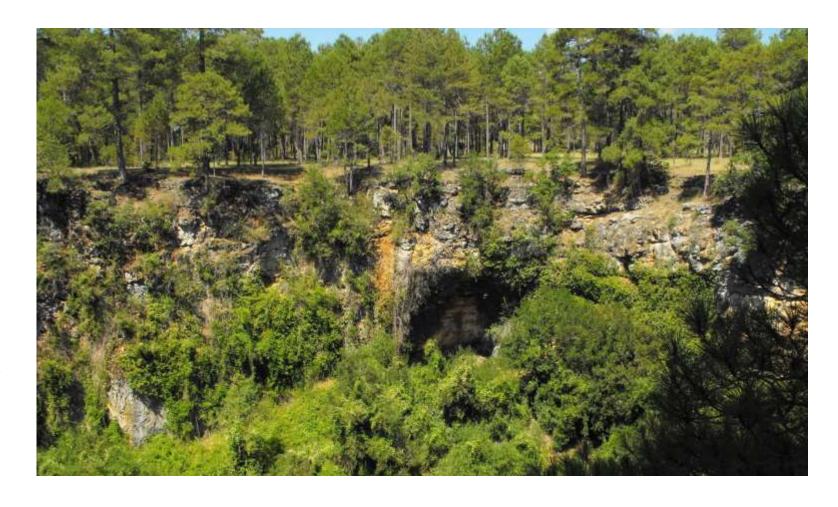




Opportunities



- A training space to promote entrepreneurship and innovation initiatives around the forest.
- From prevention to sustainable use of the forest.
- The forest of the city of Cuenca as an engine of the economy: forest bioeconomy







Why Bioeconomy?



Maximizes the use of organic matter while generating economic activity in a sustainable way





Forest Bioeconomy



Make use of forest resources in an eco-efficient and sustainable way, while providing a set of collateral benefits.

Prevents depopulation and encourages regional cohesion

Reduces fire risk

Improves the water cycle

Climate change adaptation

Generates jobs and businesses

Enhances the landscape

Increases biodiversity

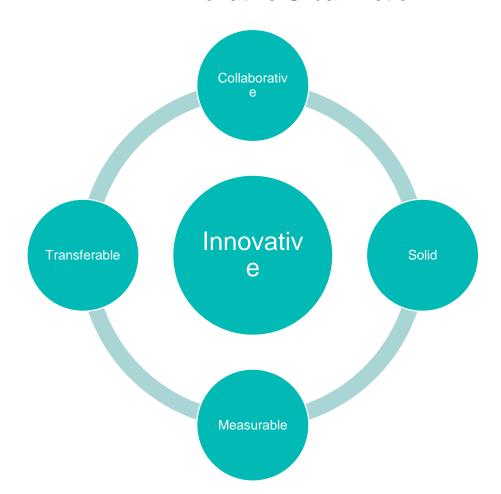
Captures CO₂



Working on an innovative solution



An Innovative Urban Action





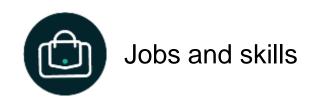
OUR GOAL: Try new solutions in response to urban challenges; see how they work in a controlled environment and how they would respond to the complexity of real life.



And we obtain



4,9 Million Euros



74 🏭

European cities have participated

1st Call for Proposals

18 晶

378 Applicants

2nd Call for Proposals

16 晶

206 Applicants

3rd Call for Proposals

22 晶

184 Applicants

4th Call for Proposals

20 晶

177 Applicants

CUENCA





What is **UFIL**?





UFIL Partners





City of Cuenca



University of Castilla La Mancha



Khora Urban Thinkers



Regional Government of Castilla-La Mancha



Istituto Europeo di Design



Business Owner's Association of Cuenca



Forest Stewardship Council



City of Cuenca – Wood Factory

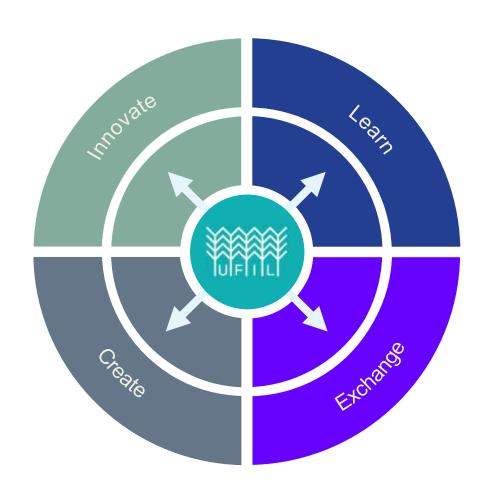


Universidad Politécnica de Madrid



UFIL pursues...





6 Goals:

- 1. Innovative ecosystem of the forest bioeconomy
- 2. Worker's abilities and skills
- 3. Retain business and talent in Cuenca
- 4. Efficient use of forest resources
- 5. Urban-rural nexus
- 6. Vertical integration in forest management



Figures and results



FIGURES

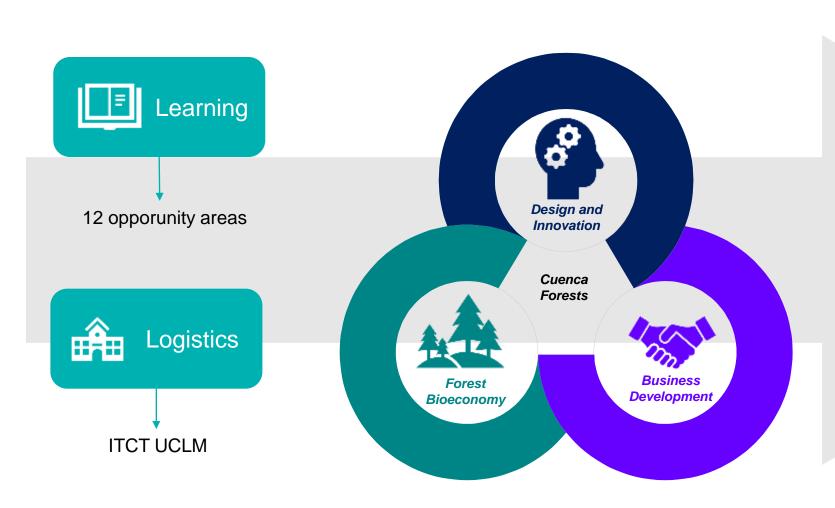
- √ +100 participants in 3 years
- √ 45 projects generated
- ✓ 27 entrepreneurship initiatives underway in Cuenca
- ✓ 10 innitiatives from participants outside Cuenca will start in the city

RESULTS

- ✓ We will create a forest bioeconomy business environment
- ✓ Enhance collaboration between government bodies
- ✓ Increase and retain capital and investments
- ✓ An engaging bioeconomy model for the future

How UFIL is organized?













12 Opportunity areas for the forest of Cuenca



Cultural ecosystem services: tourism, education and conservation



Wood engineering: building and public works



Carbon storage and timber resources



Biomass and forest biofuel



Forest management and development technologies



Wood chemical derivatives: cellulose, lignin and other bioproducts



Forests for water: hydrological management



Resin production



Agroforestry products



Mycology



Design from forest procuts



Hunting and extensive livestock use





UFIL Headquarters









Intitute of Technology, Construction and Telecommunication

University of Castilla-La Mancha

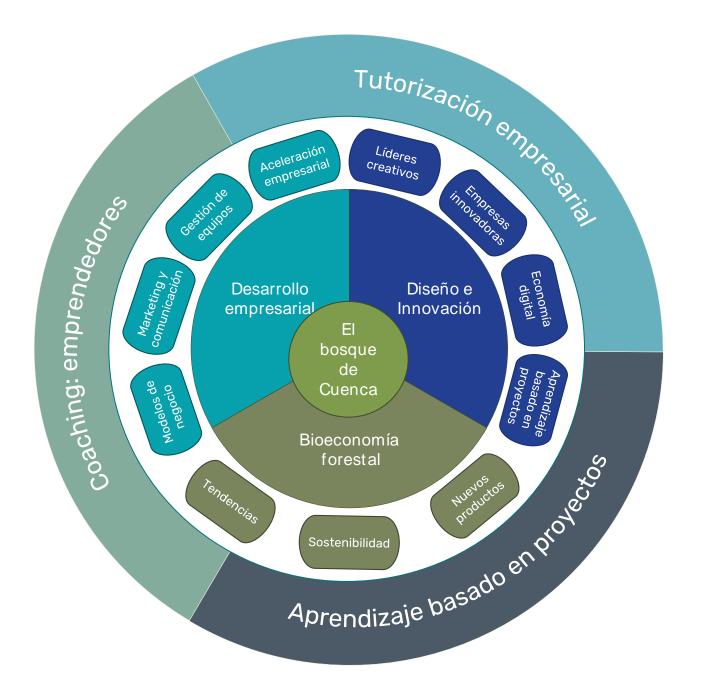
A space for teamwork and innovation. A forestry Fab Lab.





Training







Attendees profile: 35







Age			
10	<25		
5 15	25-35		
5 7	35-45		
5 3	45-55		
5 7	35-45		

Start date: 2 de marzo

Education

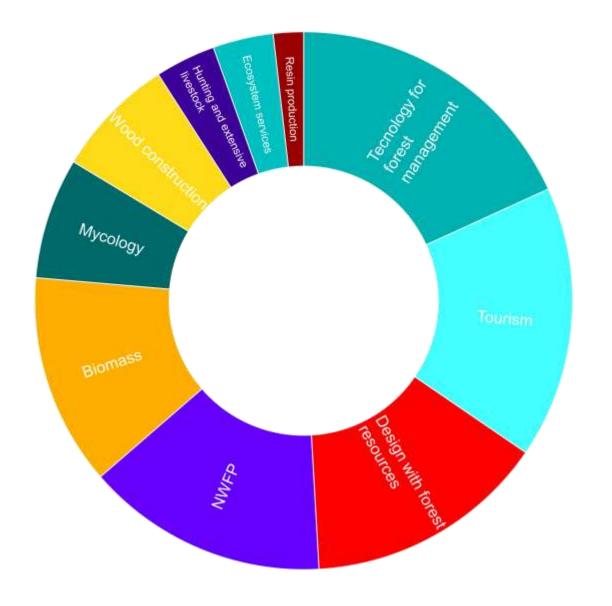
Forestry	12	34%
Business Administration	7	20%
Biology and Environm. Sc.	6	17%
Design	5	14%
Architecture	1	3%
Basic	1	3%
Industrial	1	3%
Journalism	1	3%
Psychology	1	3%



<u>Ideas emerged by participants during the selection proccess</u>



Main topics	Number of proposals
Technology for forest management	10
Tourism and environmental education	9
Non-Wood forest products	8
Design with forest resources	8
Biomass fuels	7
Wood construction	4
Mycology	4
Ecosystem services: CO ₂ storage and water resources	2
Hunting and extensive livestock production	2
Resin production	1
Bio-based chemicals: cellulose and lignin	-
TOTAL	55





Poleno: the solution to land destruction







 High technology drone as a tool against desertification, where the main objective is the regeneration of degraded areas by mobilizing pollen from stable ecosystems to less resilient and developed ones.



Conversion of dryland farming to Terfezias harvesting







 Land conversion of non-sustainable dryland crops to plantations of genus Helianthemum associated with desert truffles, in order to reduce fertilizers and water needs and enabling soil's recovery.





Conditioned aversion in hunting management







 Non-lethal predation control by the use conditioned food aversion, favouring the recovery of hunting species and extensive livestock.





We want you









¿DONDE ESTAMOS?

UIA

SOCIOS

ACTUALIDAD

PROGRAMA

Urban Forest Innovation Lab es el programa para el emprendimiento en bioeconomía forestal de Cuenca.

UFIL combina aprendizaje basado en proyectos, tutorización, incubación y aceleración de ideas innovadoras en torno a la bioeconomía forestal.



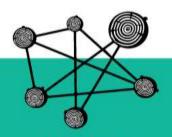
CREAR

Quiero participar en el programa de emprendimiento recibiendo formación y tutorización para desarrollar un proyecto



DESAFIAR

Soy una empresa con un reto alrededor de la bioeconomía forestal y quiero explorar soluciones innovadoras



CONECTAR

Quiero colaborar con otras empresas y agentes relacionados con el bosque y participar en el ecosistema forestal de la







uia.cuenca.es

Thanks a lot! Join UFIL!































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