

O Mestrado em Cidades e Comunidades Sustentáveis do Projeto EC2U

Encontro Ciência 2022

17-05-2022

Painel Universidades Europeias

Manuel Gameiro da Silva



UNIVERSIDADE D
COIMBRA



European Campus
of City-Universities

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European Campus of City-Universities



European Campus of City-Universities (EC2U)

Full Partner Universities: 7

Poitiers, coord. (FR)

Coimbra (PT)

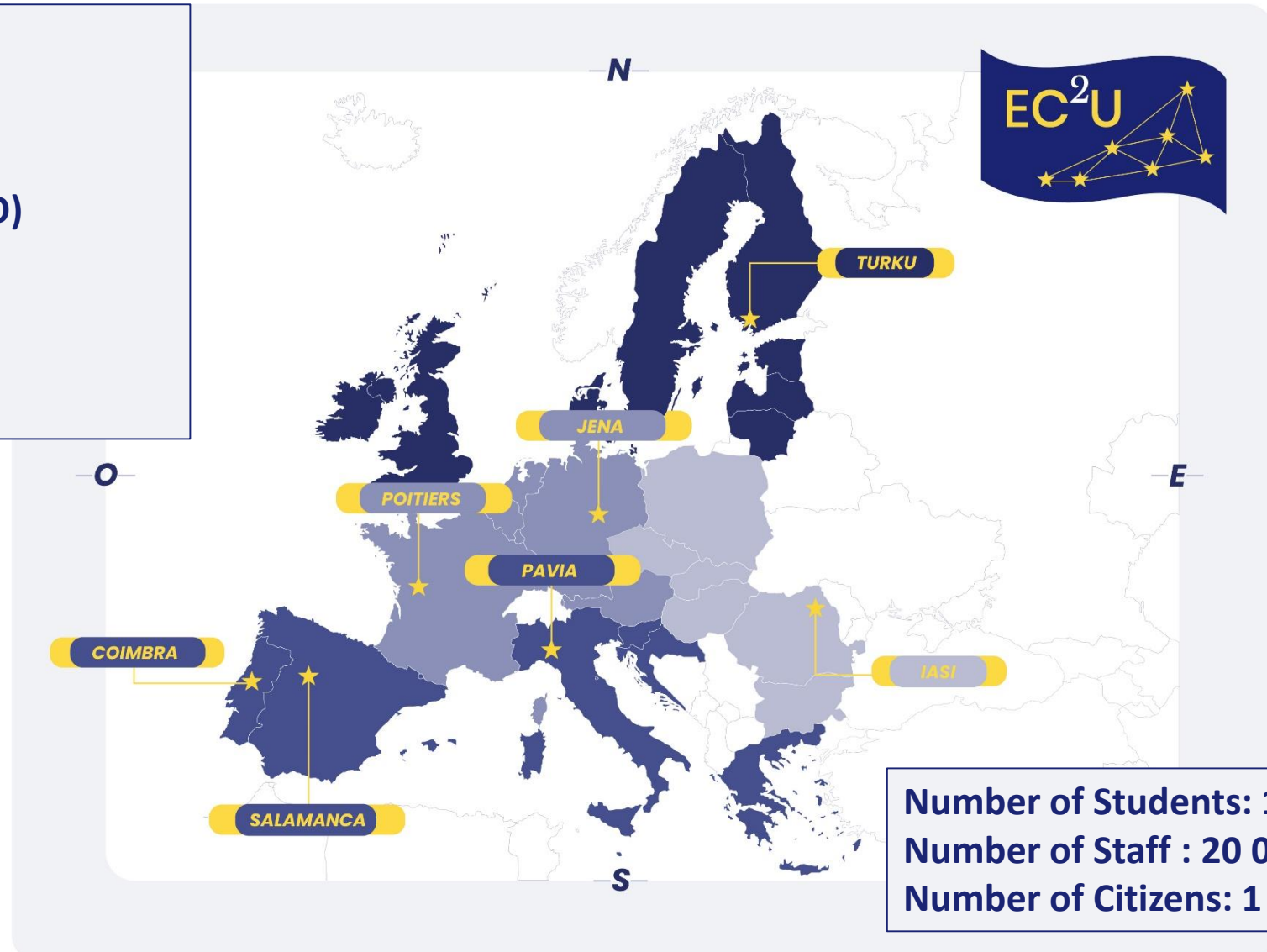
Alexandru Ioan Cuza, Iasi (RO)

Friedrich Schiller, Jena (GE)

Pavia (IT)

Salamanca (SP)

Turku (FI)



Number of Students: 160 000
Number of Staff : 20 000
Number of Citizens: 1 600 000

European Campus of City-Universities (EC2U)



POITIERS, FR



TURKU, FI



COIMBRA, PT



PAVIA, IT



IASI, RO

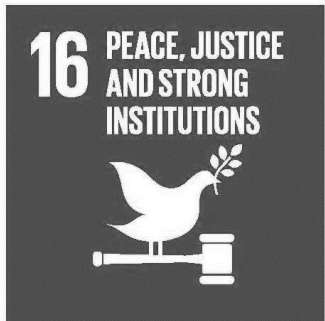
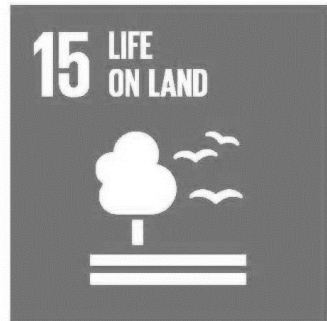
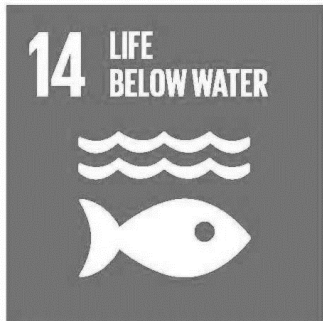
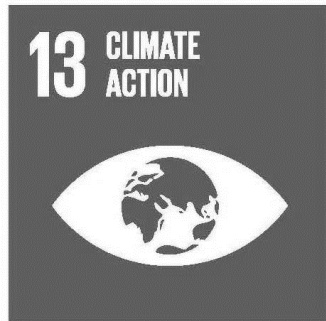
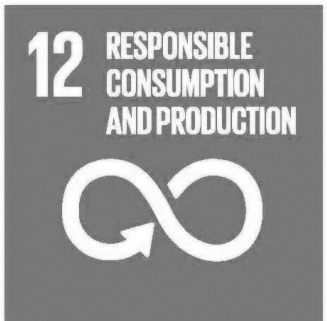
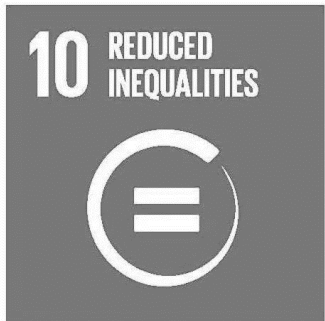
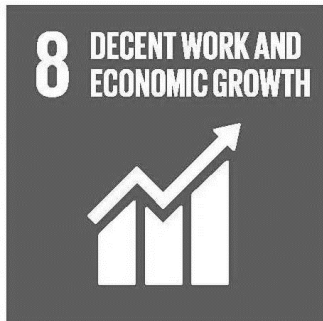
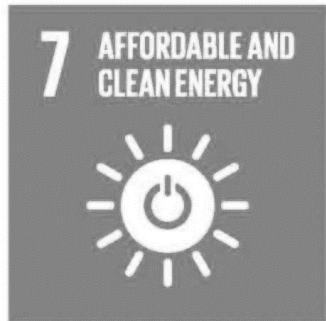


JENA, GE



SALAMANCA, ES

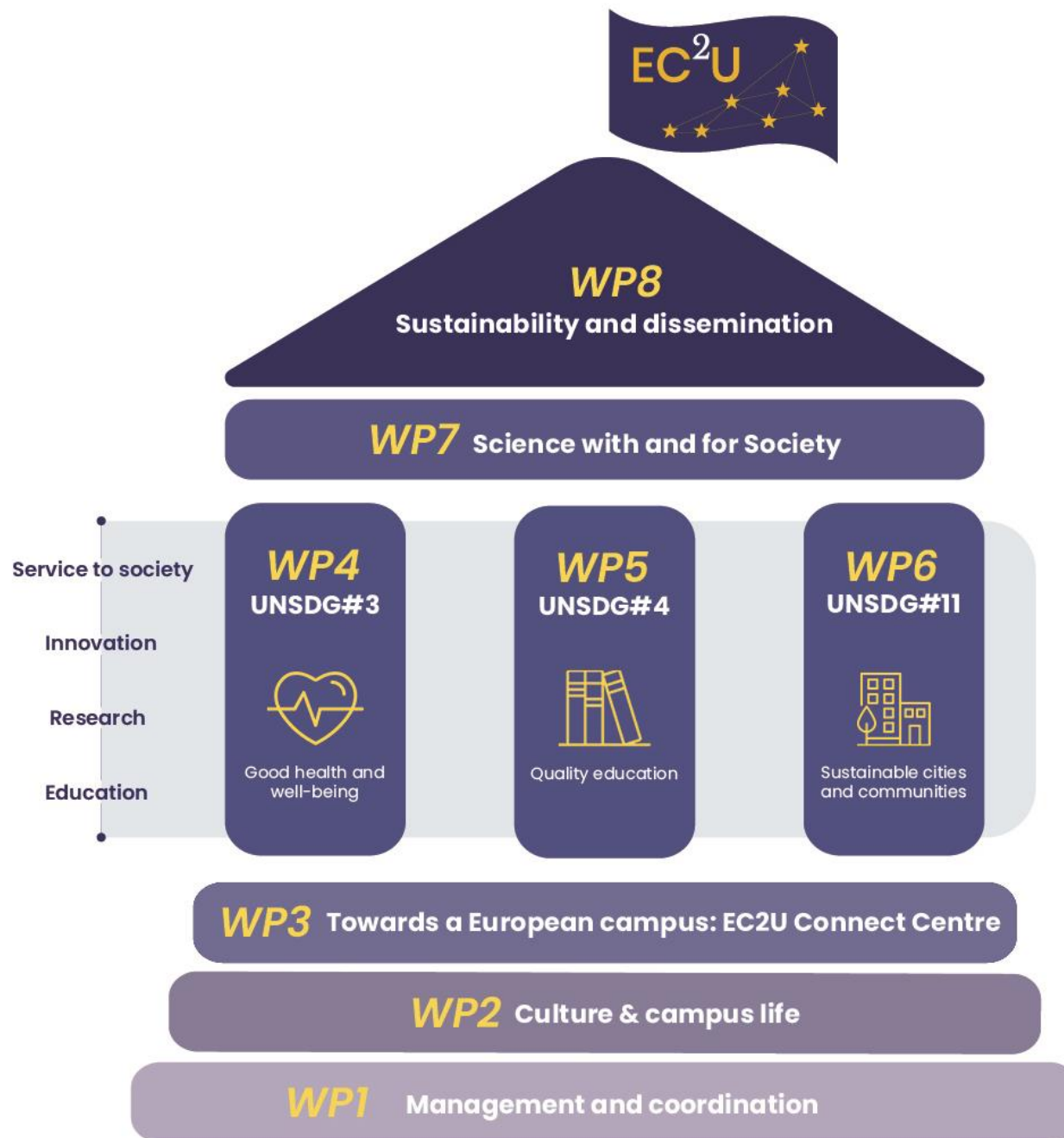
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EC2U Project Structure





EC2U

SEND A MAIL



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Work Package 6

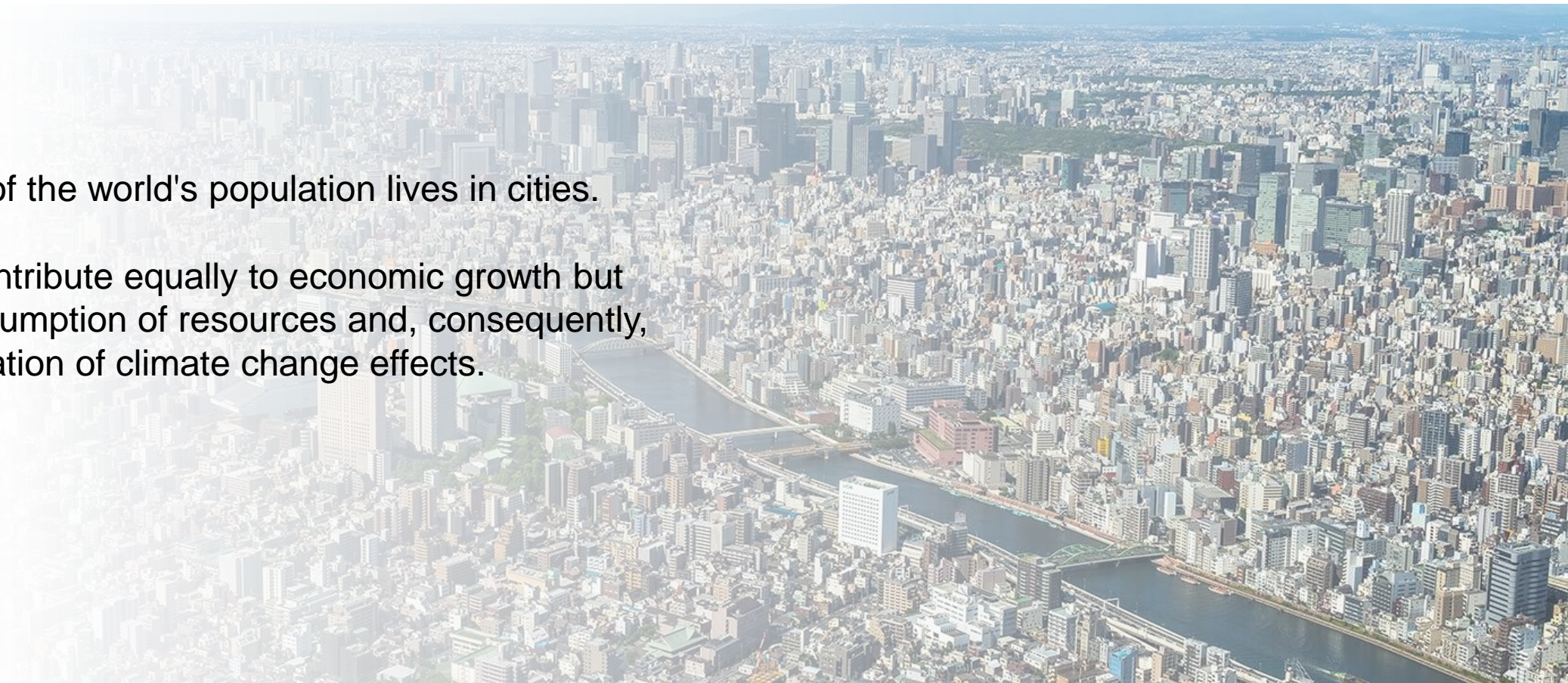


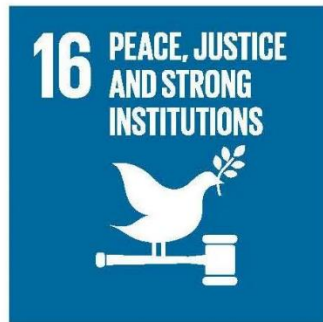
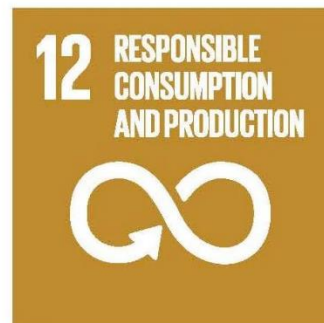
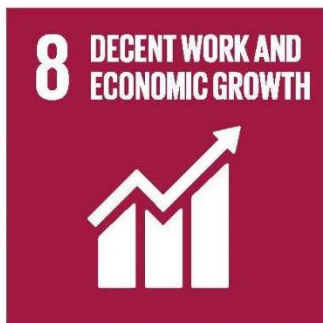
Master in Sustainable Cities and Communities



Introduction

- More than half of the world's population lives in cities.
- Urban areas contribute equally to economic growth but also to the consumption of resources and, consequently, to the intensification of climate change effects.





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TARGET 11-1



SAFE AND AFFORDABLE HOUSING

TARGET 11-2



AFFORDABLE AND SUSTAINABLE TRANSPORT SYSTEMS

TARGET 11-3



INCLUSIVE AND SUSTAINABLE URBANIZATION

TARGET 11-4



PROTECT THE WORLD'S CULTURAL AND NATURAL HERITAGE

TARGET 11-5



REDUCE THE ADVERSE EFFECTS OF NATURAL DISASTERS

TARGET 11-6



REDUCE THE ENVIRONMENTAL IMPACT OF CITIES

TARGET 11-7



PROVIDE ACCESS TO SAFE AND INCLUSIVE GREEN AND PUBLIC SPACES

TARGET 11-A



STRONG NATIONAL AND REGIONAL DEVELOPMENT PLANNING

TARGET 11-B



IMPLEMENT POLICIES FOR INCLUSION, RESOURCE EFFICIENCY AND DISASTER RISK REDUCTION

TARGET 11-C



SUPPORT LEAST DEVELOPED COUNTRIES IN SUSTAINABLE AND RESILIENT BUILDING



European Campus
of City-Universities

	1st Semester	2nd Semester
1st Year	Univ A	Univ B
	Univ A	Univ B
	Univ A	Univ B
	Introd to CCS	Govern of CCS
	Research Meth	Inov & Empr

	1st Semester	2nd Semester
2nd Year	Univ C	
	Univ C	
	Univ C	
	Dissertation Proj	Dissertation @ 1 of the 3 Universities
	Scient Wri & Com	

Master in Sustainable Cities and Communities



UNIVERSIDADE D
COIMBRA



- Elective Courses
- Mandatory Courses

- Univ A Coimbra
- Univ B Poitiers or Turku
- Univ C Turku or Poitiers

University of Coimbra

Environment and Development

Introduction to Sustainable Cities and Society	Mandat.
Energy Planning and Sustainable Development	Optional
Sustainable Mobility	Optional
Legal Aspects of Urban Sustainability	Optional
Industrial Ecology	Optional

Economy and Management

Energy Economics and Energy Markets	Optional
Fundamentals of Operational Research	Optional
Environmental Economics	Optional

Environment and Construction

Environment and Space Organization	Optional
Buildings and Environment	Optional
Technology & Rehabilitation of Façades and Roofs	Optional
Indoor Environmental Quality	Optional
Characterization and Optimization of Buildings Envelope	Optional

Energy Systems

Energy Conversion, Production and Storage	Optional
Energy Management in Buildings	Optional
Energy Simulation in Buildings	Optional
Renewable Energy Systems	Optional

University of Turku

Environment and Development

Social Entrepreneurship	Optional
Cultural Sustainability	Optional
Geospatial Data Management and Visualization	Optional
Global Changes	Optional
Applied Biogeography	Optional

Economy and Management

Governance of Sustainable Cities and Communities	Mandat.
Innovation and Entrepreneurship	Mandat.
Participatory Scenario Planning	Optional
Innovation and Entrepreneurship Case Study	Optional

Environment and Construction

Marine and Coastal Spatial Planning	Optional
Urban Security and Surveillance	Optional

University of Poitiers

Environment and Development

Water Treatment Engineering	Optional
21st Century Wicked Challenges	Optional
Societal and Environmental Transitions	Optional
Waste Management and Recovery	Optional

Economy and Management

Energy assessment and diagnostics	Optional
Management and Enhancement of Ecosystems	Optional

Environment and Construction

Stormwater Management	Optional
Smart Buildings	Optional
Thermal Science for Buildings	Optional
Enhancement of Natural Spaces	Optional

Energy Systems

Energy Management	Optional
Energy Sources and Sustainable Development	Optional

Transversal Competencies

Research Methodologies	Mandatory
Scientific Writing and Communication	Mandatory
Dissertation Project	Mandatory

UC International

HOME INTERNATIONAL APPLICANTS ERASMUS/ EXCHANGE PROGRAMMES EC2U ALLIANCE CONTACTS

European Campus of City-Universities - EC2U



Muito Obrigado
pela vossa atenção



**EC2U: EDUCATION FOR SUSTAINABILITY AS A RESPONSE TO THE SUSTAINABLE
DEVELOPMENT GOAL 11 – SUSTAINABLE CITIES AND COMMUNITIES**