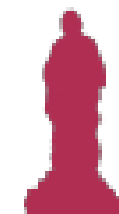


# European Campus of City-Universities (EC2U)

**For a sustainable EC2U Alliance:  
the role of a central interconnectivity  
platform, the EC2U Connect Centre**

**Prof. Antonella Forlino**

**Vice-Rector for Internationalisation, University of Pavia**



# European Campus of City-Universities (EC2U)

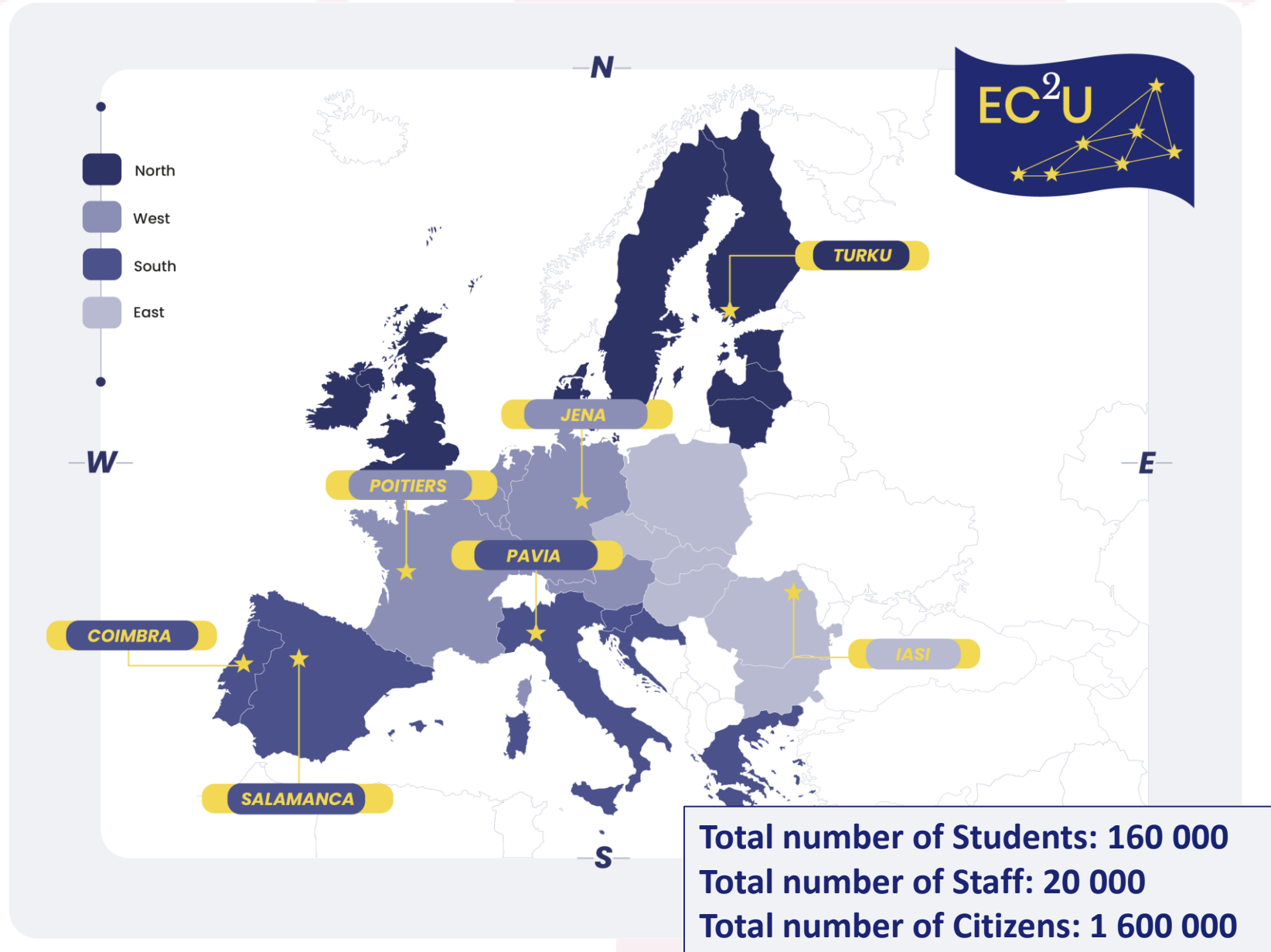
## Partner Universities (all Coimbra Group members):

Poitiers (coord., FR)  
Coimbra (PT)  
Alexandru Ioan Cuza, Iasi (RO)  
Friedrich Schiller, Jena (GE)  
Pavia (IT)  
Salamanca (SP)  
Turku (FI)

30 Associated Partners  
(incl. 7 Municipalities,  
7 Technological Centers,  
7 Student Associations,  
8 National Accreditation Bodies,  
Coimbra Group)



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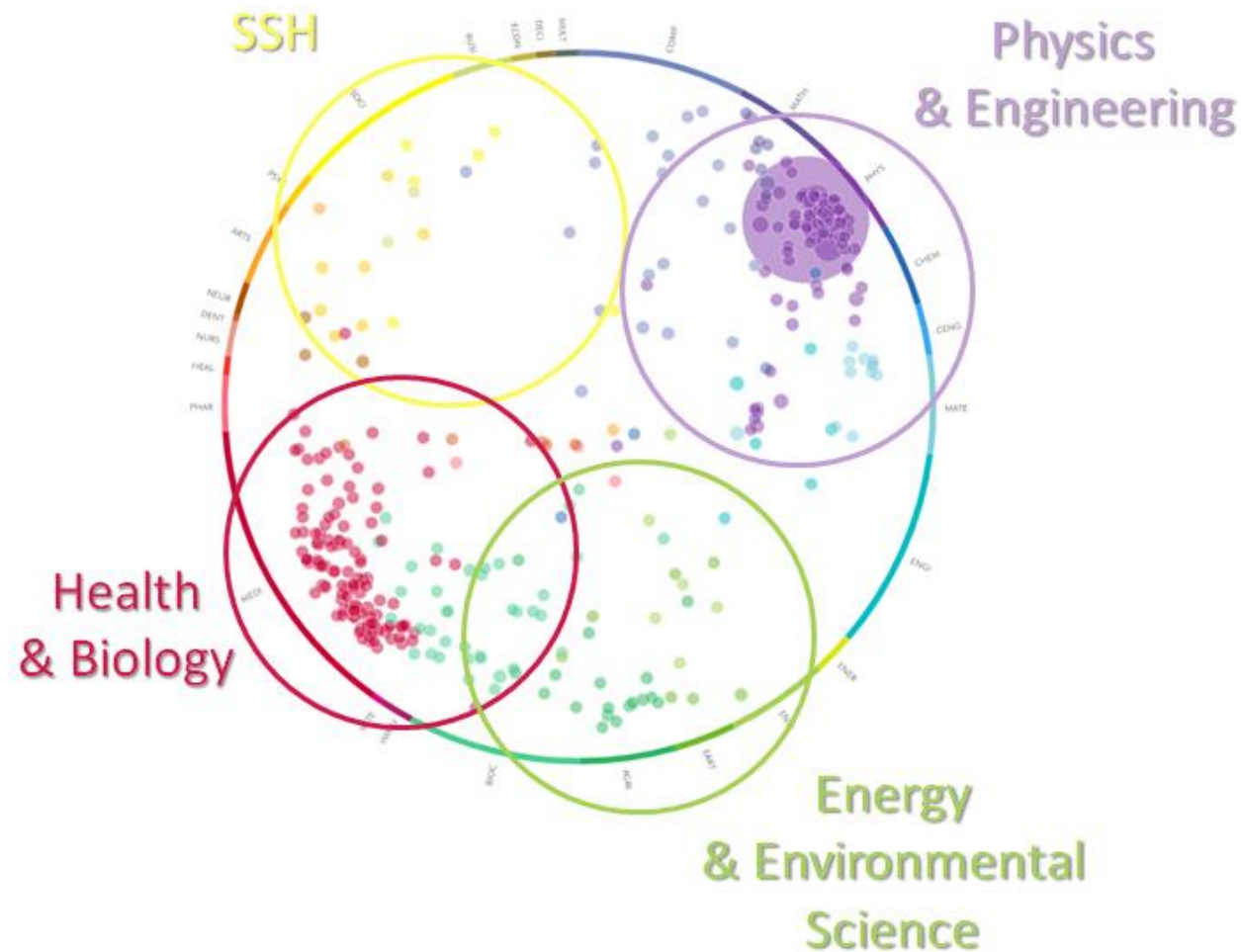


# European Campus of City-Universities (EC2U)



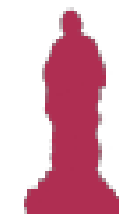
## ^ Subject area abbreviations

COMP	Computer Science
MATH	Mathematics
PHYS	Physics and Astronomy
CHEM	Chemistry
CENG	Chemical Engineering
MATE	Materials Science
ENGI	Engineering
ENER	Energy
ENVI	Environmental Science
EART	Earth and Planetary Sciences
AGRI	Agricultural and Biological Sciences
BIOC	Biochemistry, Genetics and Molecular Biology
IMMU	Immunology and Microbiology
VETE	Veterinary
MEDI	Medicine
PHAR	Pharmacology, Toxicology and Pharmaceutics
HEAL	Health Professions
NURS	Nursing
DENT	Dentistry
NEUR	Neuroscience
ARTS	Arts and Humanities
PSYC	Psychology
SOCI	Social Sciences
BUSI	Business, Management and Accounting
ECON	Economics, Econometrics and Finance
DECI	Decision Sciences
MULT	Multidisciplinary



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Representation of the 1221 Research articles (and their prominent topics) jointly published by researchers from at least two (and up to five) EC2U universities over the period 2009-2018 (source: Scopus & SciVal, coll. Elsevier).



# European Campus of City-Universities (EC2U)



Lifelong Well-being and  
Healthy Ageing

European Languages and Cultures  
in Contact

Sustainable Cities  
and Communities

Service to society

Innovation

Research

Education

**WP4**  
UNSDG#3



Good health and  
well-being

**WP5**  
UNSDG#4



Quality education

**WP6**  
UNSDG#11



Sustainable cities  
and communities

**WP3** Towards a European campus: EC2U Connect Centre

**WP2** Culture & campus life

**WP1** Management and coordination

**WP8**  
Sustainability and dissemination

**WP7** Science with and for Society



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# How can we make the Alliance sustainable?

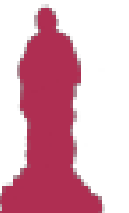


✓ The first three « a la carte » multi-lateral joint EC2U Master programmes based on selected UNSDGs:  
**Good health & well-being, Quality education, Sustainable cities & communities**

✓ Increased and geographically balanced **mobility (physical, virtual, blended) of students and staff**

✓ **Three Virtual Institutes (VIs)** combining education, research and innovation in missions based on the aforementioned UNSDGs

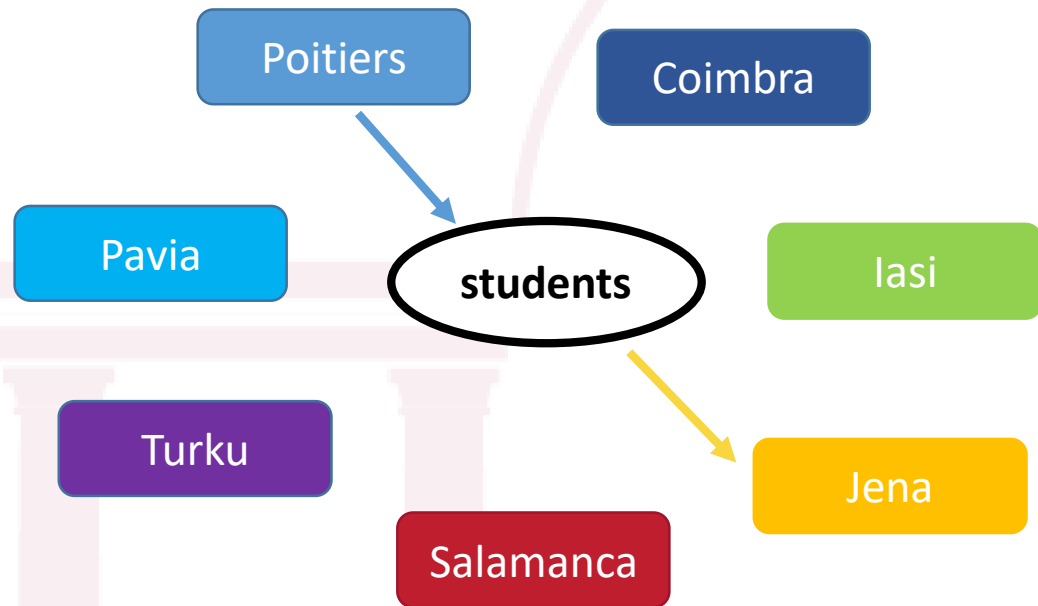
All that will **only** be possible thanks to **shared resources, via the “EC2U Connect Centre”**



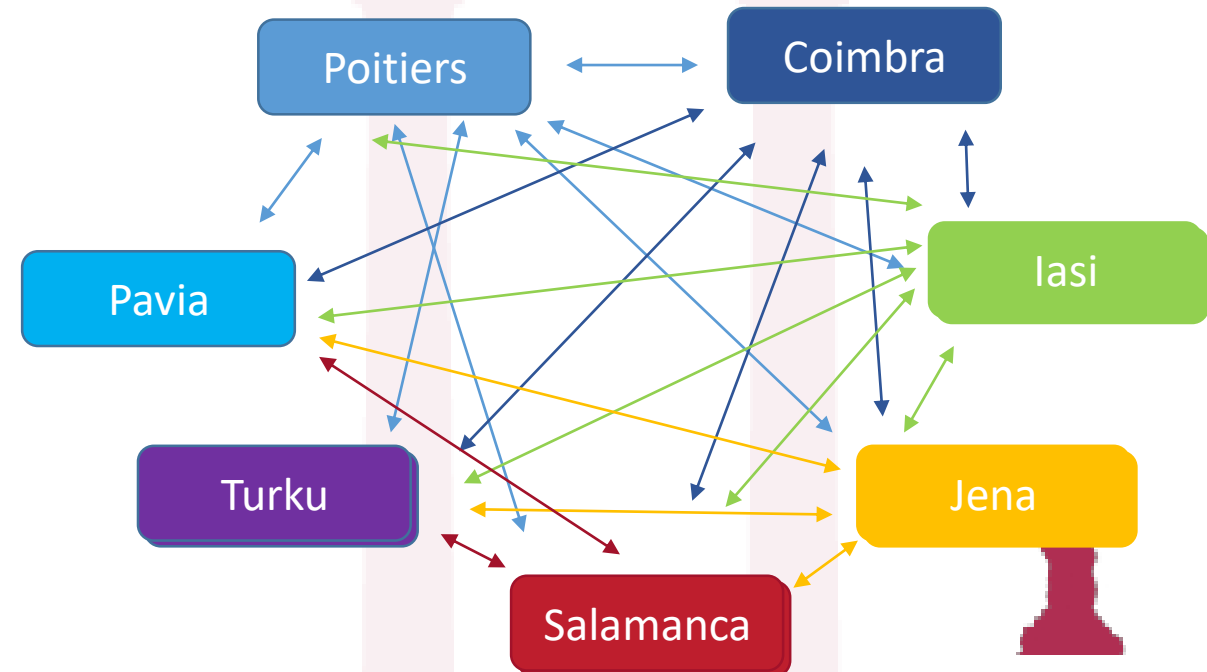
# Sustainability and sharing



## Actions to be avoided



**X Automated data exchange on a bilateral basis** incurs in a quadratic increase in cost for setup and maintenance, each requiring the definition of content schemas, interchanges formats and interchange protocols.



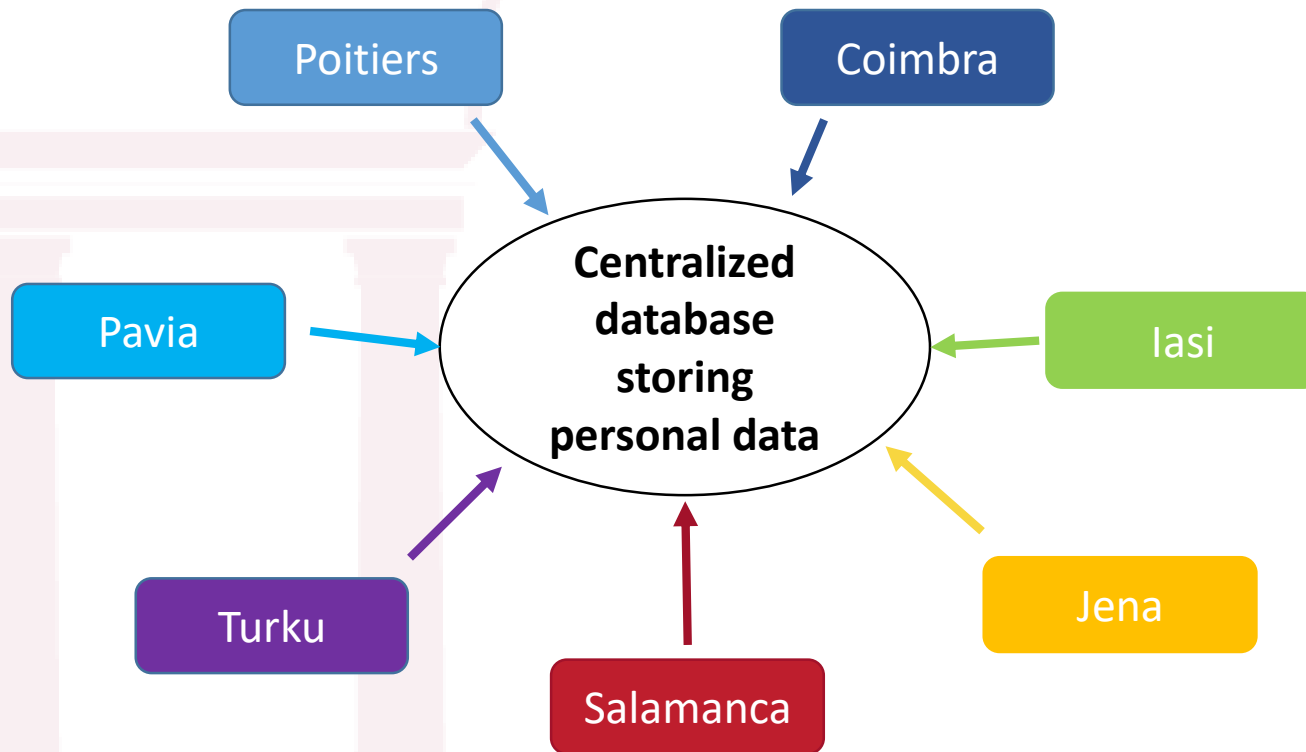
**X manually** extracting and reinserting student data on a case-by-case basis is a time-consuming and error-prone activity, at high risk of misalignments and errors.



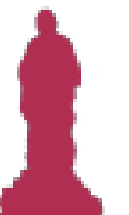
# Sustainability and sharing



## Actions to be avoided



**X Automated data exchange through a centralized database would face thorny GDPR issues that will make the process tremendously complicated.**



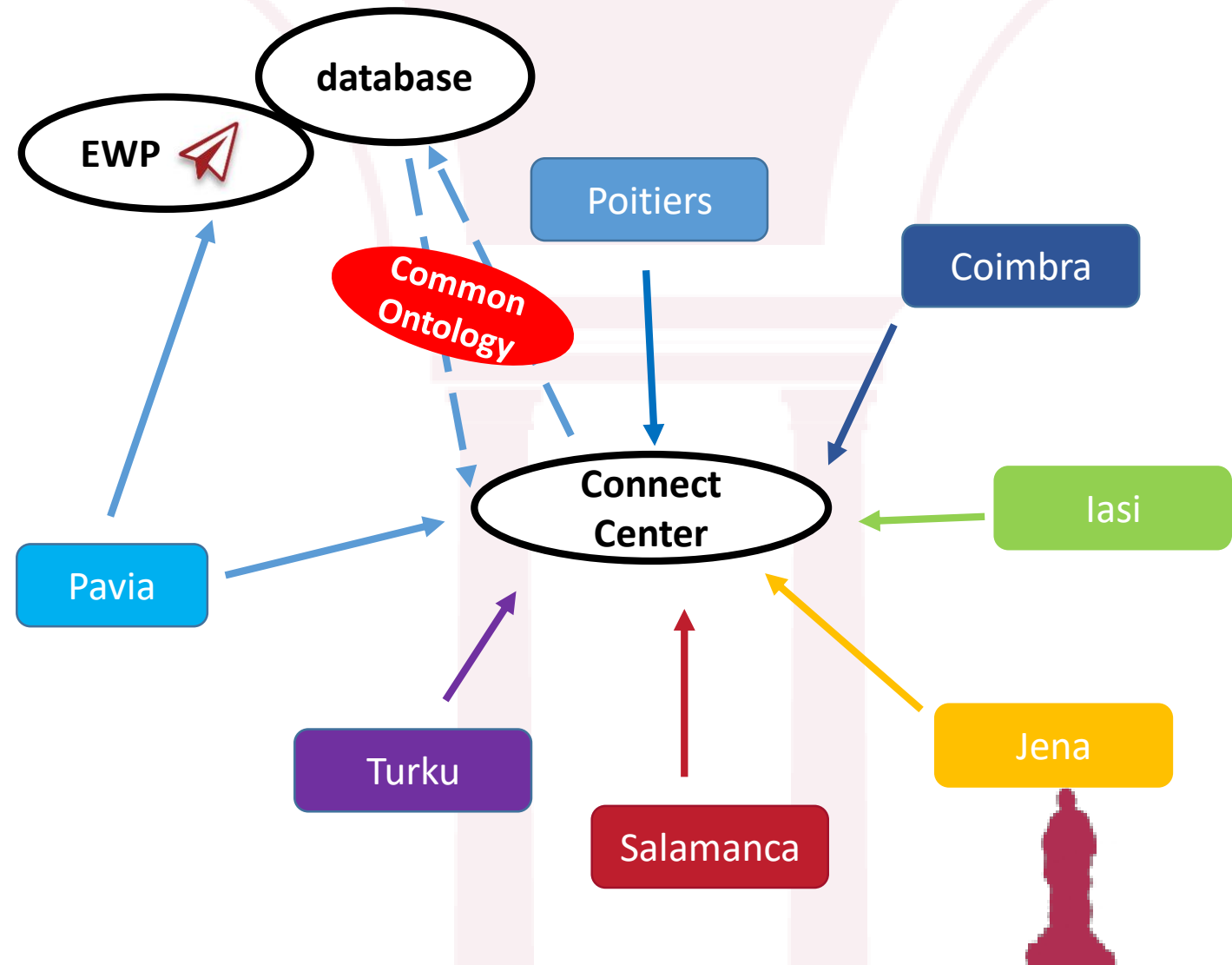
# Sustainability and sharing

## The EC2U Connect Centre



The EC2U Project will approach student and staff data sharing (EC2U student's academic activity, mobility and Research) by a Connect Centre:

- ✓ defining shared data models, interchange, formats and interchange protocols on top of open data interchange solutions standardized by the World Wide Web Consortium (W3C) within the Resource Description Framework (RDF);
- ✓ No personal data storing outside master systems;
- ✓ processing data through a local adapter that dynamically converts internal data from/to the shared data models

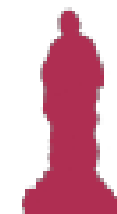


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# Toward an EC2U Card

- ✓ Based on **European Student Card Initiative**
- ✓ For **students and staff**
- ✓ Connection of **existing universities cards systems**
- ✓ Immediate **recognition of identity** allowing for easy access to EC2U services
- ✓ Containing **EC2U Open Badges**



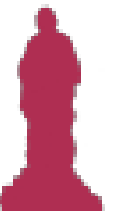
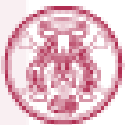
# The EC2U Connect Centre and the EC2U Alliance in 2030

✓ **Joint and personalised European diplomas**

✓ **An extension of the Virtual Institutes concept to other UNSDGs**

✓ **Integrated inter-university campus life**

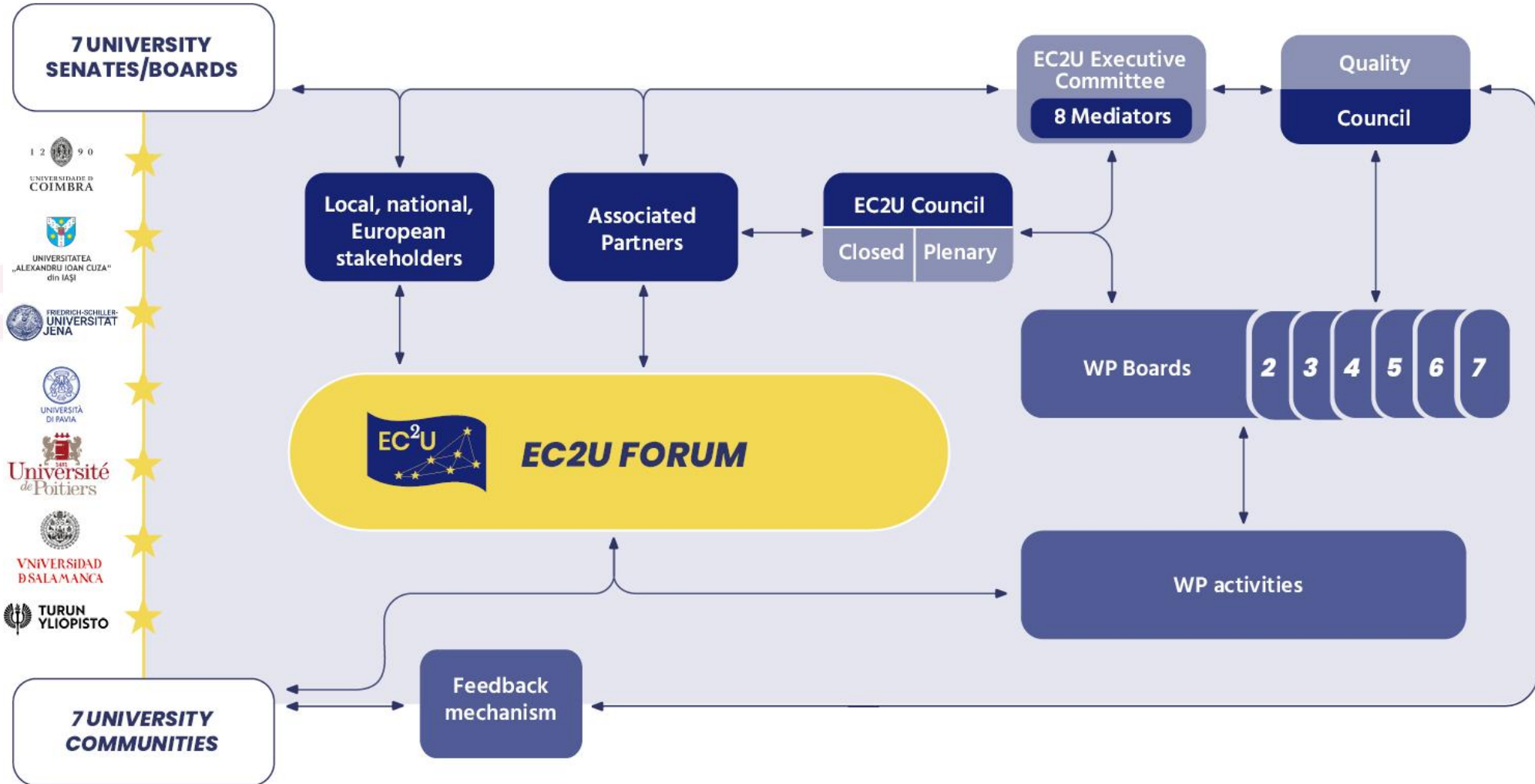
✓ **A yearly sustainable rendez-vous between academia and citizens on the occasion of the EC2U Forum**



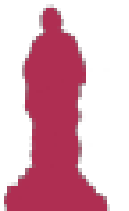
# European Campus of City-Universities (EC2U)



## Governance and Associated Partners



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# European Campus of City-Universities (EC2U)

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[contact@ec2u.eu](mailto:contact@ec2u.eu)  
[@EC2U\\_Alliance](https://twitter.com/EC2U_Alliance)

