



WROCLAW UNIVERSITY
OF ENVIRONMENTAL
AND LIFE SCIENCES



Towards empowering internationalisation of research

Prof. Jarosław Bosy,
Vice-Rector for Research and International Relations

EUROPE - Poland


*Poland plays
an important
role in Europe*



The Province of Lower Silesia

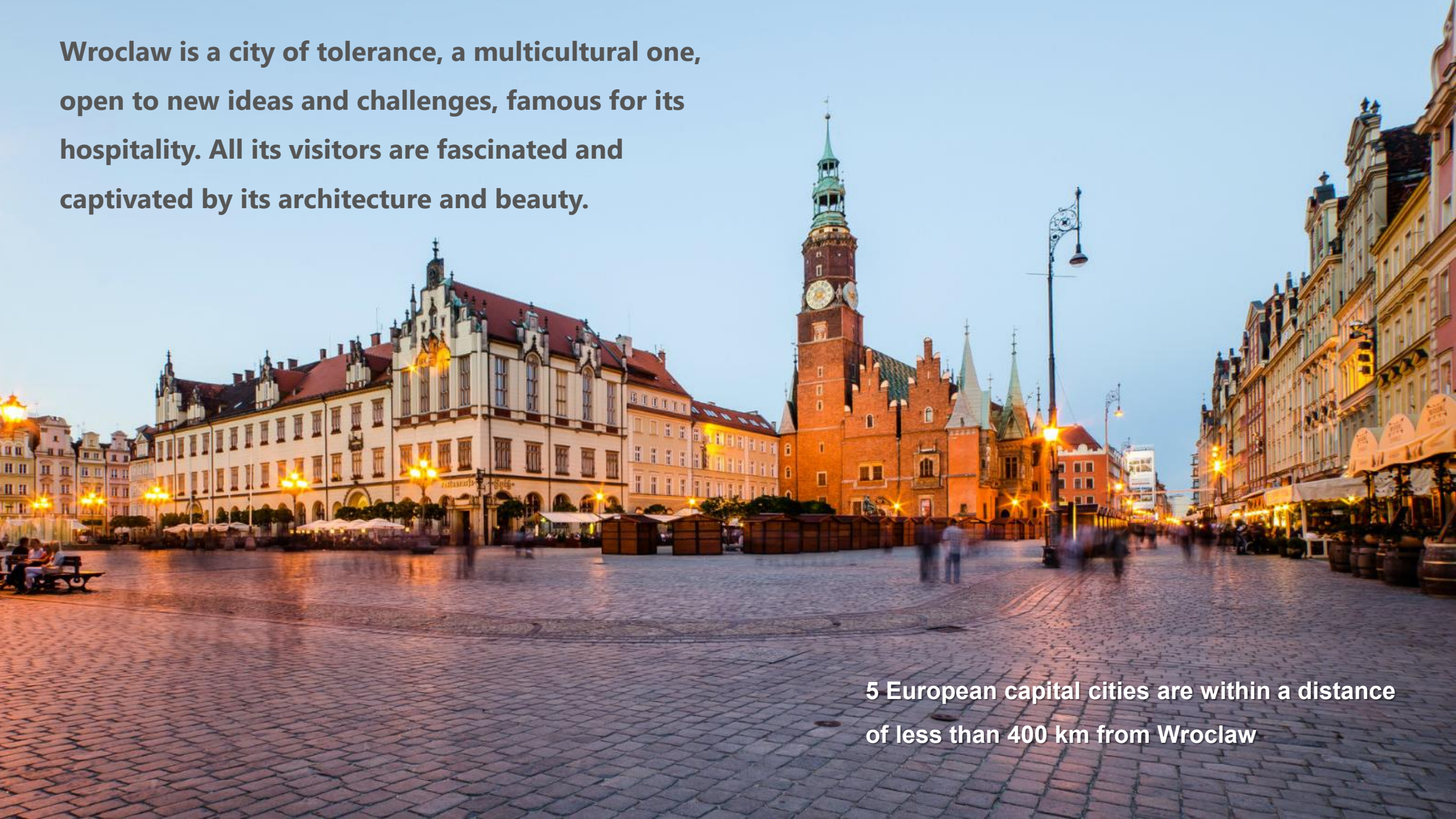
in South West Poland
is one of the 16
voivodeships into
which Poland
is divided.





**Wrocław is a dynamically
functioning city with over 300 years
of academic tradition, 750,000 residents
+ educating 130,000 students.**

Wroclaw is a city of tolerance, a multicultural one, open to new ideas and challenges, famous for its hospitality. All its visitors are fascinated and captivated by its architecture and beauty.



5 European capital cities are within a distance of less than 400 km from Wrocław



Wrocław University of Environmental and Life Sciences

WUELS is one of life science profile public universities in the Lower Silesia and **one of the best specialist universities in Poland.** Educates students and conducts research in the fields of agricultural sciences, biology and veterinary, geodesy and cartography, environmental protection and management, as well as food technology and nutrition.

Wrocław University of Environmental and Life Sciences

NUMBERS

10 000 undergraduate and graduate students

227 PhD students

1 700 staff members

Three university faculties have the status of the **National Center for Scientific Lead** (NCSL – in Polish KNOW).



The European Charter for Researchers



HR EXCELLENCE IN RESEARCH

Faculties



Veterinary
Medicine



Environmental
Engineering
and Geodesy



Biology
and Animal
Science



Biotechnology
and Food
Science



Life Sciences
and Technology

The Faculty of Veterinary Medicine

Veterinary medicine

+ English Division (studies in English)

Approved by the European Association
of Faculties of Veterinary Medicine

Most foreign students come from:

- Norway
- Canada
- Sweden



The Faculty of Biology and Animal Science



- **Animal Husbandry**
- **Biology**
- **Human Biology**
- **Bioinformatics**
- **Food Safety**

The Faculty Biotechnology and of Food Science

- **Food Quality Management and Analysis**
- **Human Nutrition and Dietetics**
- **Biotechnology**
- **Food Technology and Human Nutrition**
- **Technology and Organization of Gastronomy**



The Faculty of Environmental Engineering and Geodesy



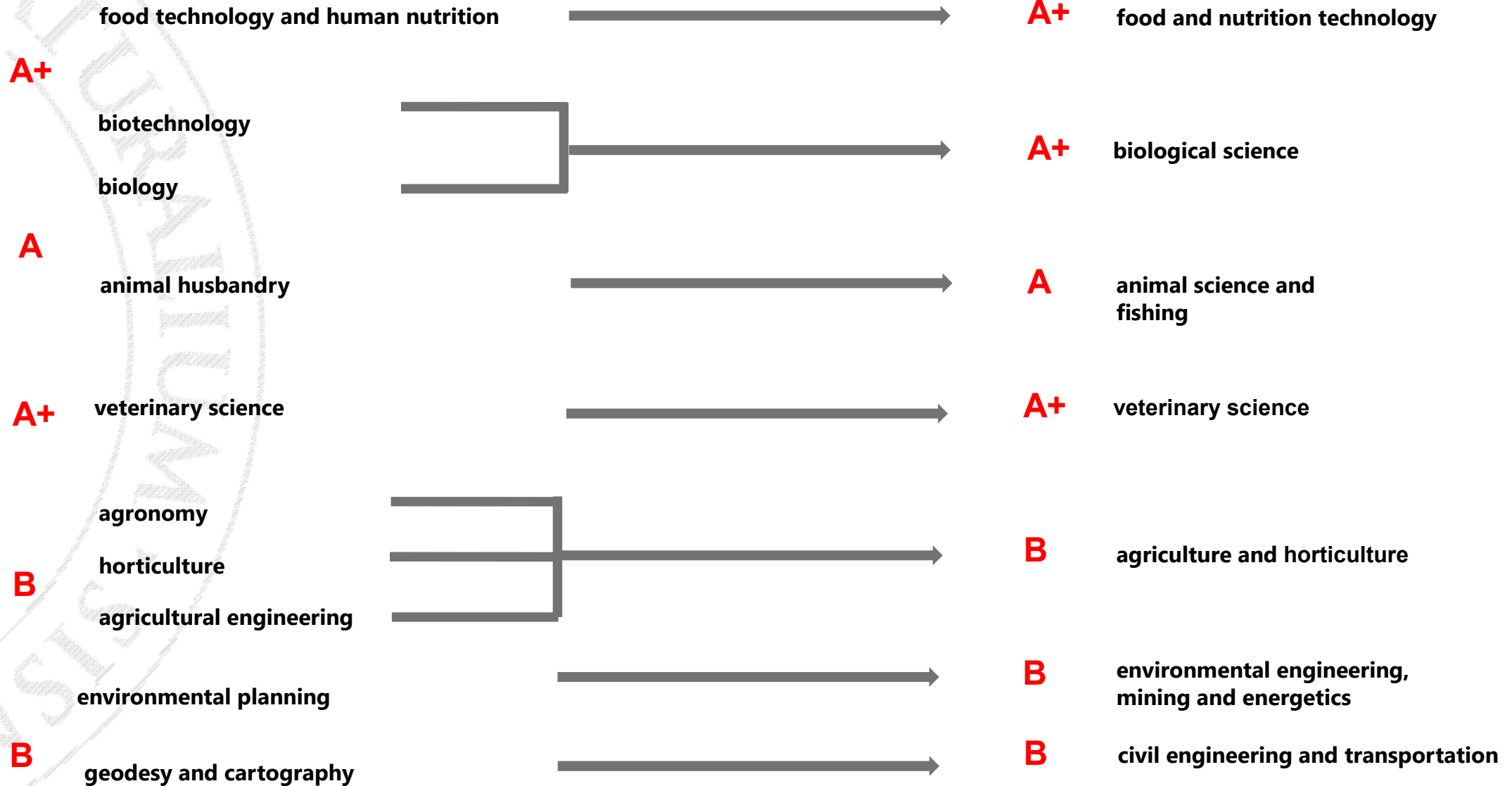
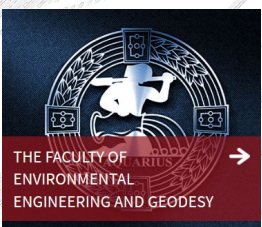
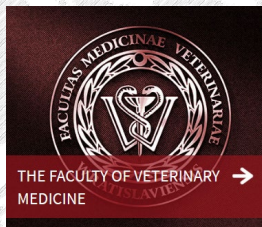
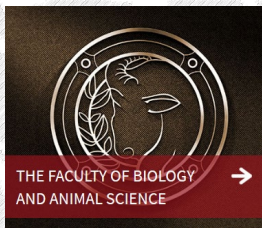
- **Landscape Architecture**
- **Civil Engineering**
- **Geodesy and Cartography**
- **Land Management**
- **Environmental Engineering**
- **Safety Engineering**
- **Water Engineering and Management**

The Faculty of Life Sciences and Technology

- **Agribusiness**
- **Environmental Protection**
- **Horticulture**
- **Agriculture**
- **Agricultural and Forestry Engineering**
- **Economics**
- **Applied Plant Biotechnology**
- **Plant Medicine**
- **Renewable Resources and Waste Management**
- **Production Engineering and Management**



Transfer from faculties to university degrees



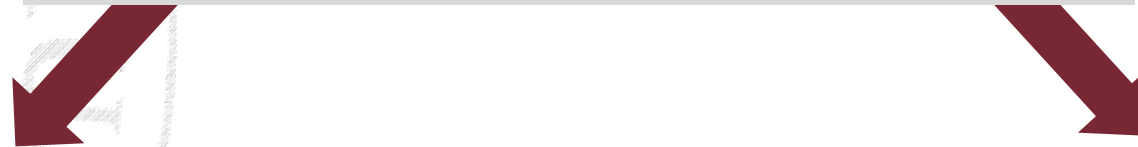
UPWr – Research University



**Ministry of Science
and Higher Education**

Republic of Poland

Strategy of Excellence – Research University



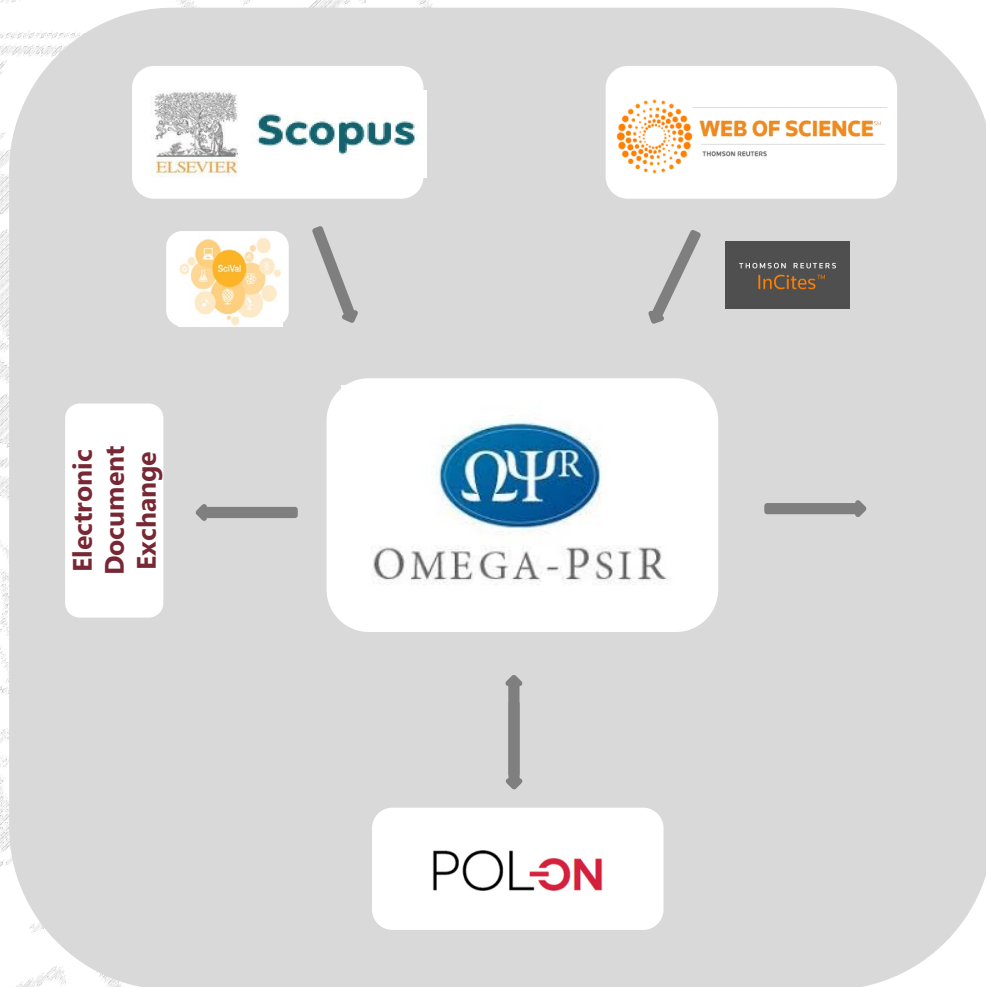
Leading Research Groups (LRG)



International Interdisciplinary PhD School (IIPS)



Scientific knowledge management



knowledge management

LEADER OF LEADING DISCIPLINE



LEADING RESEARCH GROUPS



NATIONAL AND INTERNATIONAL COOPERATION



Scientific knowledge management - Leading Research Groups



LEADERS OF
SCIENTIFIC
DISCIPLINES
SELECTION

INDIVIDUAL
INTERNET
PROFILES

CAREER PATH

COOPERATION
SCIENCE-
BUSINESS-
EDUCATION

International cooperation



TECHNISCHE
UNIVERSITÄT
DRESDEN



WROCLAW UNIVERSITY
OF ENVIRONMENTAL
AND LIFE SCIENCES

PhD and academic staff exchange since 80



Faculty of Environmental Sciences
(Department of Hydroscience; Department of Geosciences)



Faculty of Environmental Engineering and Geodesy
(Institute of Environ.Engineering; Institute of Geodesy and Geoinformatics)

Post-doc position (IGG: M. Jarzabek-Rychard, DAAD)

Research activities:

- BMBF MOEL-SOEL „Institutionalizing cooperation on ecosystems and climate change processes in central and eastern European countries” (ICE-CEEC) 2018 – 2020
- H2020-SFS-23-2019: WATERAGRI (submitted), ACIMA (submitted)

International administrative activities:

- Erasmus KA203 Strategic Partnership „Building a regional university network in the Czech-German-Polish Border Triangle – a new Space for Innovation” (submitted)
- Erasmus Staff Week at TUD



Tempus



Erasmus+



International cooperation



TECHNISCHE
UNIVERSITÄT
WIEN



WROCLAW UNIVERSITY
OF ENVIRONMENTAL
AND LIFE SCIENCES

PhD and academic staff exchange since 90



Department of Geodesy and Geoinformation
(Photogrammetry, Higher Geodesy)



Institute of Geodesy and Geoinformatics
(Department of Cartography, Photogrammetry and Geoinformatics
Department of Satellite Geodesy, Department of Remote Sensing)

Research activities:

- COST ES1206 Advanced Global Navigation Satellite Systems tropospheric products for monitoring severe weather events and climate (GNSS4SWEC)
- H2020 MSCA-ITN-EJD (not funded)
- Kačmařík M., Douša J., Dick G., Zus F., Brenot H., Möller G., Pottiaux E., Kapłan J., Hordyniec P., Václavovic P., Morel L. Inter-technique validation of tropospheric slant total delays Atmospheric Measurement Techniques, Vol. 10 No. 6, Göttingen, Germany 2017, pp. 2183-2208.



Erasmus+



International cooperation

Imperial College
London



WROCLAW UNIVERSITY
OF ENVIRONMENTAL
AND LIFE SCIENCES

Imperial College
London

Faculty of Engineering
(Department of Bioengineering)



The Faculty of Biotechnology and Food Sciences
(Department of Biotechnology and Food Microbiology)

Research activities:

- AgreenSkills - international postdoctoral fellowship programmes co-funded by the European Union (lata 2013-2015 ZL, 2015-2017 RLA)
- ProBio3—"Biocatalytic production of lipid bioproducts from renewable raw materials and industrial byproducts" (2012-2019; 8 MLN EUR)
- Ledesma-Amaro R, Lazar Z, Rakicka M, Guo Z, Fouchard F, Crutz-Le Coq AM, Nicaud JM. 2016. Metabolic engineering of *Yarrowia lipolytica* to produce chemicals and fuels from xylose. *Metabolic engineering*, 38: 115-124, (IF 8,201).



Thank you very much for your attention



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*The University welcomes You
to cooperation*



www.upwr.edu.pl/en