

# U-Multirank – a new approach in Universities ranking

**Lucian Blaga University of Sibiu**  
**Status and Issues**  
**- 2015 -**

<http://calitate.ulbsibiu.ro/U-Multirank.php>



IREG Observatory  
on Academic  
Ranking and  
Excellence



**IREG Observatory on Academic Ranking and Excellence** (in short: **IREG Observatory**) is an international institutional non-profit association of ranking organizations, universities and other bodies interested in university rankings and academic excellence. Its purpose is strengthening of public awareness and understanding of range of issues related to university rankings and academic excellence. It is registered in Brussels, Belgium, and its Secretariat is located in Warsaw, Poland.



# Consortium

- **U-Multirank is developed and implemented by an independent consortium:**
  - Centre for Higher Education (CHE) in Germany,
  - Center for Higher Education Policy Studies (CHEPS) at the University of Twente, Netherlands
  - Centre for Science and Technology Studies (CWTS) from Leiden University, both in the Netherlands.
- **The consortium is headed by:**
  - Professor Dr. Frans van Vught of CHEPS
  - Professor Dr. Frank Ziegele of the CHE.
- **Other partner organisations:**
  - International Centre for Research on Entrepreneurship
  - Technology and Innovation Management (INCENTIM) from Catholic University Leuven,
  - Academic publisher Elsevier;
  - Bertelsmann Foundation;
  - student advice organisation Push;
  - software firm Folge 3;
  - as well as a range of national partners and stakeholder organisations.

# Distinctive features

- **U-Multirank is a multidimensional, user-driven ranking allowing users to assess the performance of higher education institutions on individual performance measures.**
- **Comparing like with like**
  - Link to mapping indicators allowing identification of institutions with similar institutional profiles
- **Multi-level ranking**
  - Combining institutional ranking (whole institutions) and field-based rankings (now: electrical and mechanical engineering, computer sciences, business studies, physics, medicine, psychology)
- **Stakeholder-oriented processes**
  - Intensive inclusion of stakeholders in development and continuous refinement of U-Multirank
- **Independence**
  - Creation of a governance and funding model ideally ensuring independence from political agendas, interests of actors and market forces

# Characteristics

- No single university is good at everything.
- Only just over 8% of the institutions show a broad range of 'very good' performance (more than 10 'A' scores).
- U-Multirank also shows that 50% of them achieve one-to-five 'A' scores (very good) on specific indicators.
- While some universities are good at many things, most universities are excellent in specific areas.
- It is great for students, university leaders and companies who want to employ graduates or carry out joint research.
- Students want to find the university that's best for them, according to their own preferences.
- It offers the full picture for: what students need, what companies need, and what universities need themselves.



# Infographics



4

## Tracks for Comparing

It helps users compare universities from around the world - matching like-with-like and seeing what each is best at, with 4 easy tracks: ***For students, Compare, At a glance and Readymade.***



## Institutions included in U-Multirank 1,200+

- Research intensive universities
- Small specialised colleges
- Universities of applied sciences
- Art and music academies
- And more



## Student perspective 85,000+

students at participating universities completed our student survey, offering a unique student perspective to our Teaching & Learning dimension.



## Scores of possibilities

Benchmarking, comparisons, performance analyses, measuring strengths, exploring profiles, finding the best university for you + more.



Business Studies, Psychology, Mechanical & Electrical Engineering, Physics, Computer Science, Medicine

## Data scores:

**21,000** on the institutional level  
**37,000** on the field-base level



## Dimensions of Performance

Teaching & Learning

Research

Knowledge Transfer

International Orientation

Regional Engagement

30+ indicators in total (65)

## Profiles are provided at two levels:

1. For the institution as a whole
2. For different disciplinary fields



# multirank

Universities compared. Your way.

- the largest global university ranking
- the most comprehensive information system on universities

**83** countries; **1.200+** institutions; **1.800** faculties; **7.500** study programmes

# INSTITUTIONAL LEVEL INDICATORS (29)

## TEACHING & LEARNING

1	<b>Graduation rate (bachelors)</b>	Percentage of new entrants that successfully completed their bachelor programme.
2	<b>Graduation rate (masters)</b>	Percentage of new entrants that successfully completed their master programme.
3	<b>Graduating on time (bachelors)</b>	The percentage of graduates that graduated within the time expected (normative time) for their bachelor programme.
4	<b>Graduating on time (masters)</b>	The percentage of graduates that graduated within the time expected (normative time) for their master programme.

## RESEARCH

5	<b>External research income</b>	Revenue for research that is not part of a core (or base) grant received from the government. Measured in € 1,000s, using Purchasing Power Parities (PPP). Expressed per fte academic staff.
6	<b>Research publications (size-normalised)*</b>	The number of research publications that are included in the Web of Science database, where at least one author is affiliated to the university; relative to the number of students.
7	<b>Art related output</b>	The number of scholarly outputs in the creative and performing arts, relative to the fulltime equivalent (fte) number of academic staff.
8	<b>Citation rate*</b>	The average number of times that the university's research publications get cited in other research, adjusted (normalised) to allow for differences in academic fields and publication years worldwide (mean normalised citation rate).
9	<b>Top cited publications*</b>	The proportion of the publications of a university that, compared with other publications in the same field and in the same year, belong to the top 10% most frequently cited.
10	<b>Interdisciplinary publications*</b>	The extent to which reference lists of publications reflect inputs from different scientific disciplines.
11	<b>Post-doc positions</b>	The number of post-doc positions relative to the fulltime equivalent (fte) number of academic staff.



KNOWLEDGE TRANSFER		
12	Income from private sources	Research revenues and knowledge transfer revenues from private sources (incl. not-for profit organisations), excluding tuition fees, in €1000 (normalized by Purchasing Power Parities, PPP) per fte academic staff.
13	Co-publications with industrial partners*	The percentage of all the university's research publications that list an author affiliate with an address that refers to a business enterprise or a private sector R&D unit.
14	Patents awarded (size normalised)*	The number of patents assigned to (inventors working in) the institution (per 1000 students enrolled).
15	Industry co-patents*	The percentage of the university's patent applications where at least one of the co-applicants is a private company.
16	Spin-offs	The number of spin-offs (i.e. firms established on the basis of a formal knowledge transfer arrangement between the institution and the firm) recently created by the institution (per 1000 fte academic staff).
17	Publications cited in patents*	The percentage of all the university's research publications that were cited in the reference list of at least one international patent (included in the PATSTAT database).
18	Income from continuous professional development (CPD)	The percentage of the university's total revenues that is generated from activities delivering Continuous Professional Development courses and training.

*\* Based on data from bibliometric databases (Web of Science TM) and databases holding data on patent families granted (PATSTAT)*

## INTERNATIONAL ORIENTATION

19	<b>Foreign language bachelor programs</b>	The percentage of bachelor programmes that are offered in a foreign language.
20	<b>Foreign language master programs</b>	The percentage of master programmes that are offered in a foreign language.
21	<b>Student Mobility</b>	A composite of international incoming exchange students, outgoing exchange students and students in international joint degree programmes.
22	<b>International academic staff</b>	The percentage of academic staff (on a headcount basis) with foreign citizenship.
23	<b>International doctorate degrees</b>	The percentage of doctorate degrees that are awarded to international doctorate candidates.
24	<b>International joint publications*</b>	The percentage of research publications that list at least one affiliate author's address in another country.

*\* Based on data from bibliometric databases (Web of Science TM) and databases holding data on patent families granted (PATSTAT)*

REGIONAL ENGAGEMENT		
25	<b>Bachelor graduates working in the region</b>	The percentage of bachelor graduates who found their first job (after graduation) in the region where the university is located.
26	<b>Master graduates working in the region</b>	The percentage of masters graduates who found their first job (after graduation) in the region where the university is located.
27	<b>Student internships in the region</b>	Out of all the university's students who did an internship, the percentage where the internship was with a company or organisation located in the region.
28	<b>Regional joint publications*</b>	The percentage of the university's research publications that list at least one co-author with an affiliate address in the same "region" (within a distance of 50 km).
29	<b>Income from regional sources</b>	The proportion of the university's revenues – apart from government or local authority core/recurrent grants – that comes from regional sources (i.e. industry, private organisations, charities).

*\* Based on data from bibliometric databases (Web of Science TM) and databases holding data on patent families granted (PATSTAT)*



# FIELD LEVEL INDICATORS (36)

## TEACHING & LEARNING

1	<b>Student-staff-ratio</b>	The number of students (headcount) per academic staff (headcount)
2	<b>Academic staff with doctorates</b>	The percentage of academic staff holding a doctorate (PhD or equivalent)
3	<b>Graduating on time (bachelors)</b>	The percentage of graduates that graduated within the time expected (normative time) for their bachelor programme.
4	<b>Graduating on time (masters)</b>	The percentage of graduates that graduated within the time expected (normative time) for their master programme.
5	<b>Contact with work environment (bachelors)</b>	A composite measure representing at bachelor level: (1) the inclusion of internships/phases in work; and (2) the percentage of students doing an internship; and (3) teaching by practitioners from outside university departments.
6	<b>Contact with work environment (masters)</b>	A composite measure representing at master level: (1) the inclusion of internships/phases in work; and (2) the percentage of students doing an internship; and (3) teaching by practitioners from outside university departments.
7	<b>Overall learning experience</b>	An assessment of the quality of the overall learning experience, based on a student satisfaction survey.

## TEACHING & LEARNING

8	Quality of courses & teaching	An assessment of the quality of teaching provision, based on a student satisfaction survey.
9	Organisation of the programme	An assessment of the organisation of the programme, based on a student satisfaction survey.
10	Inclusion of work/practical elements	An assessment of the inclusion of work experience and of elements related to work practice, based on a student satisfaction survey.
11	Contact with teachers	An assessment of the feedback given by teachers, based on a student satisfaction survey.
12	Library facilities	An assessment of the quality of library services for students, based on a student satisfaction survey.
13	Laboratory facilities	An assessment of the quality of laboratories available to students, based on a student satisfaction survey.
14	IT provision	Student assessment of the quality of IT services for students, based on a student satisfaction survey.
15	Room facilities	An assessment of lecture halls and seminar rooms, based on a student satisfaction survey.

RESEARCH		
16	External research income	Revenue for research that is not part of a core (or base) grant received from the government. Measured in € 1,000s, using Purchasing Power Parities (PPP). Expressed per fte academic staff.
17	Doctorate productivity	The number of doctorate degrees, relative to the full time equivalent number (fte) of academic staff.
18	Research publications (absolute numbers)*	The number of research publications that are included in the Web of Science database, where at least one author is affiliated to the university.
19	Citation rate*	The average number of times that the university's research publications get cited in other research, adjusted (normalised) to allow for differences in academic fields and publication years worldwide (mean normalised citation rate).
20	Top cited publications*	The proportion of the publications of a university that, compared with other publications in the same field and in the same year, belong to the top 10% most frequently cited.
21	Interdisciplinary publications*	The extent to which reference lists of publications reflect inputs from different scientific disciplines.
22	Research orientation of teaching	The degree of research orientation in the teaching of the programme, as assessed on the basis of a student satisfaction survey.
23	Post-doc positions	The number of post-doc positions relative to the fulltime equivalent (fte) number of academic staff.



## KNOWLEDGE TRANSFER

24	<b>Income from private sources</b>	Research revenues and knowledge transfer revenues from private sources (incl. not-for-profit organisations), excluding tuition fees, in €1000 (normalized by Purchasing Power Parities, PPP) per fte academic staff.
25	<b>Co-publications with industrial partners*</b>	The percentage of all the university's research publications that list an author affiliate with an address that refers to a business enterprise or a private sector R&D unit.
26	<b>Patents awarded (absolute numbers)*</b>	The number of patents assigned to (inventors working in) the institution.
27	<b>Publications cited in patents*</b>	The percentage of all the university's research publications that were cited in the reference list of at least one international patent (included in the PATSTAT database).

*\* Based on data from bibliometric databases (Web of Science TM) and databases holding data on patent families granted (PATSTAT)*

# INTERNATIONAL ORIENTATION

28	<b>International orientation of bachelor programmes</b>	A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.
29	<b>International orientation of master programmes</b>	A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.
30	<b>Opportunities to study abroad</b>	An assessment of the opportunities for studying abroad, based on a student satisfaction survey.
31	<b>International doctorate degrees</b>	The percentage of doctorate degrees that are awarded to international doctorate candidates.
32	<b>International joint publications*</b>	The percentage of research publications that list at least one affiliate author's address in another country.
33	<b>International research grants</b>	The proportion of external research revenue – including public and private funding organisations and businesses – that comes from other countries.

*\* Based on data from bibliometric databases (Web of Science TM) and databases holding data on patent families granted (PATSTAT)*

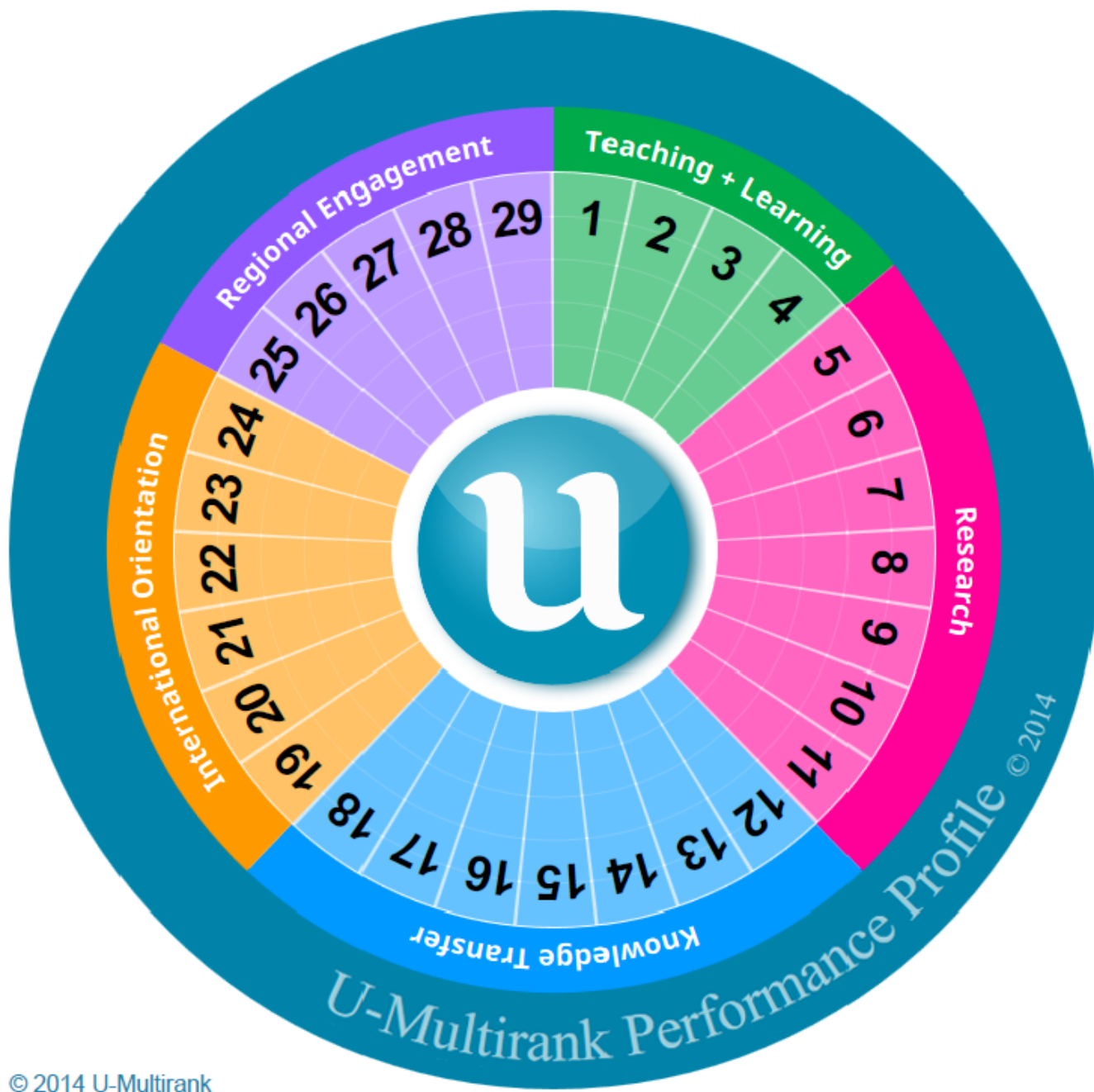
## REGIONAL ENGAGEMENT

34	<b>Student internships in the region</b>	Out of all the university's students who did an internship, the percentage where the internship was with a company or organisation located in the region.
35	<b>Regional joint publications*</b>	The percentage of the university's research publications that list at least one co-author with an affiliate address in the same "region" (within a distance of 50 km).
36	<b>Income from regional sources</b>	The proportion of the university's revenues – apart from government or local authority core/recurrent grants – that comes from regional sources (i.e. industry, private organisations, charities).

*\* Based on data from bibliometric databases (Web of Science TM) and databases holding data on patent families granted (PATSTAT)*



# U-Multirank Sunburst: Performance Indicators



## Teaching + Learning

- 1 Bachelor graduation rate
- 2 Masters graduation rate
- 3 Graduating on time (bachelors)
- 4 Graduating on time (masters)

## Research

- 5 External research income
- 6 Research publications (size-normalised)
- 7 Art related output
- 8 Citation rate
- 9 Topcited publications
- 10 Interdisciplinary publications
- 11 Post-doc positions

## Knowledge Transfer

- 12 Income from private sources
- 13 Co-publications with industrial partners
- 14 Patents awarded (size-normalised)
- 15 Industry co-patents
- 16 Spin-offs
- 17 Publications cited in patents
- 18 Income from continuous professional development

## International Orientation

- 19 Foreign language bachelor programmes
- 20 Foreign language master programmes
- 21 Student mobility
- 22 International academic staff
- 23 International doctorate degrees
- 24 International joint publications

## Regional Engagement

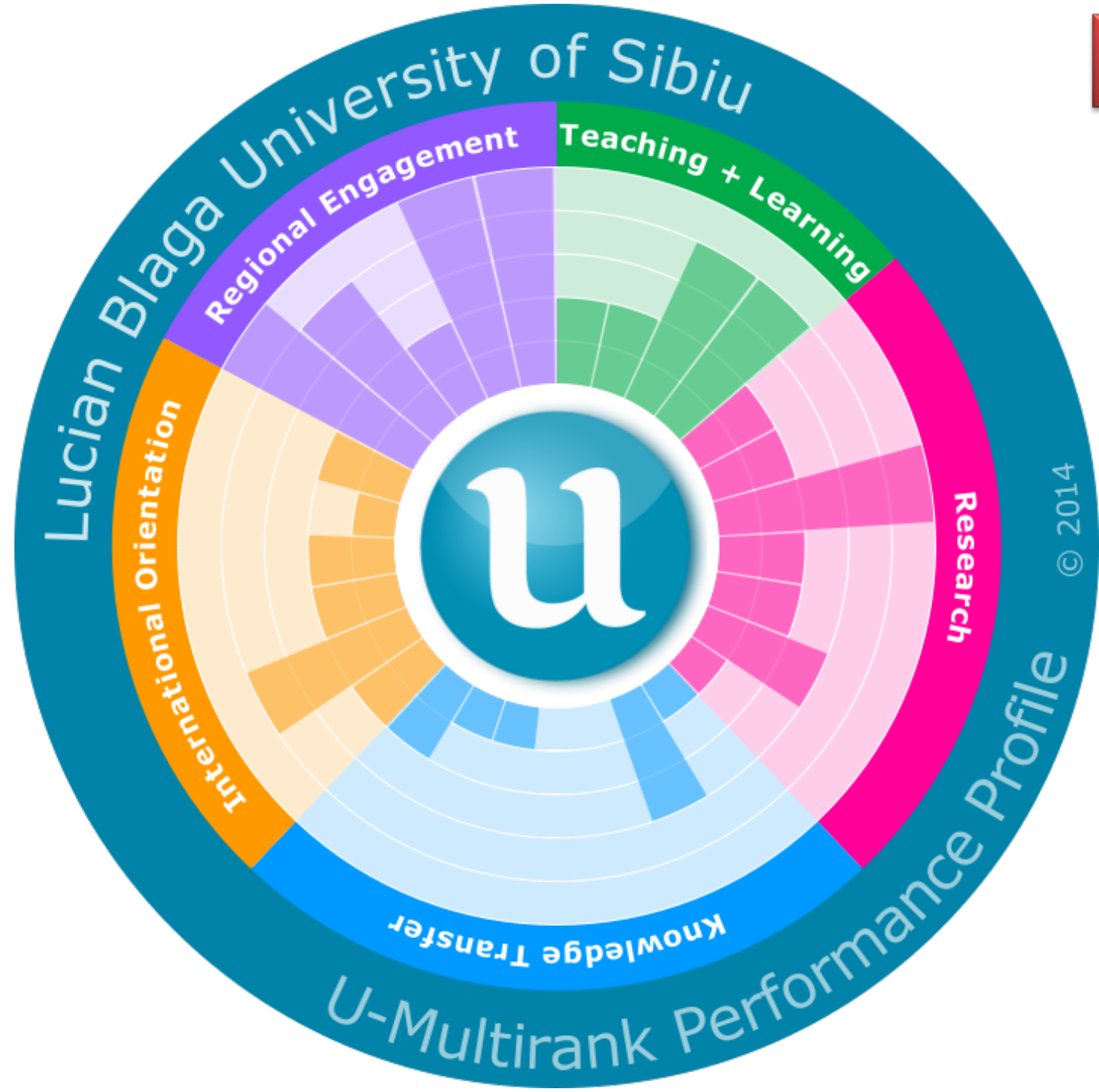
- 25 Bachelor graduates working in the region
- 26 Student internships in the region
- 27 Regional joint publications
- 28 Income from regional sources
- 29 Master graduates working in the region



# ULBS

Universitatea "Lucian Blaga" din Sibiu

2014



Business studies ▼

Faculty of Economic Studies ▼

Electrical Engineering ▼

Faculty of Engineering ▼

Mechanical Engineering ▼

Faculty of Engineering - Mec... ▼



# ULBS

Universitatea "Lucian Blaga" din Sibiu

2015

Business studies ▼

Faculty of Economic Studies ▼

Electrical Engineering ▼

Faculty of Engineering ▼

Mechanical Engineering ▼

Faculty of Engineering - Mec... ▼

Computer Science ▼

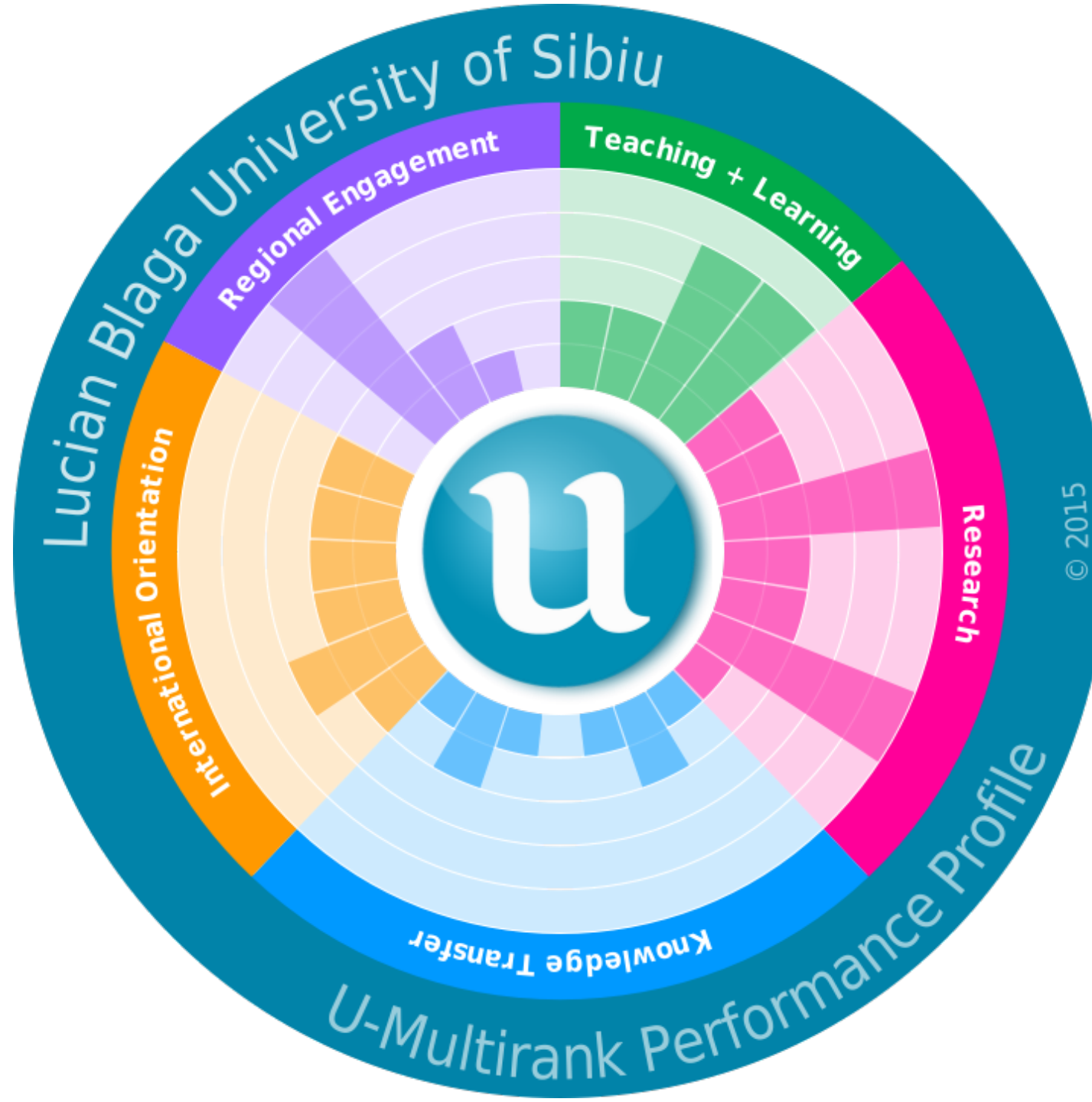
Faculty of Engineering ▼

Psychology ▼

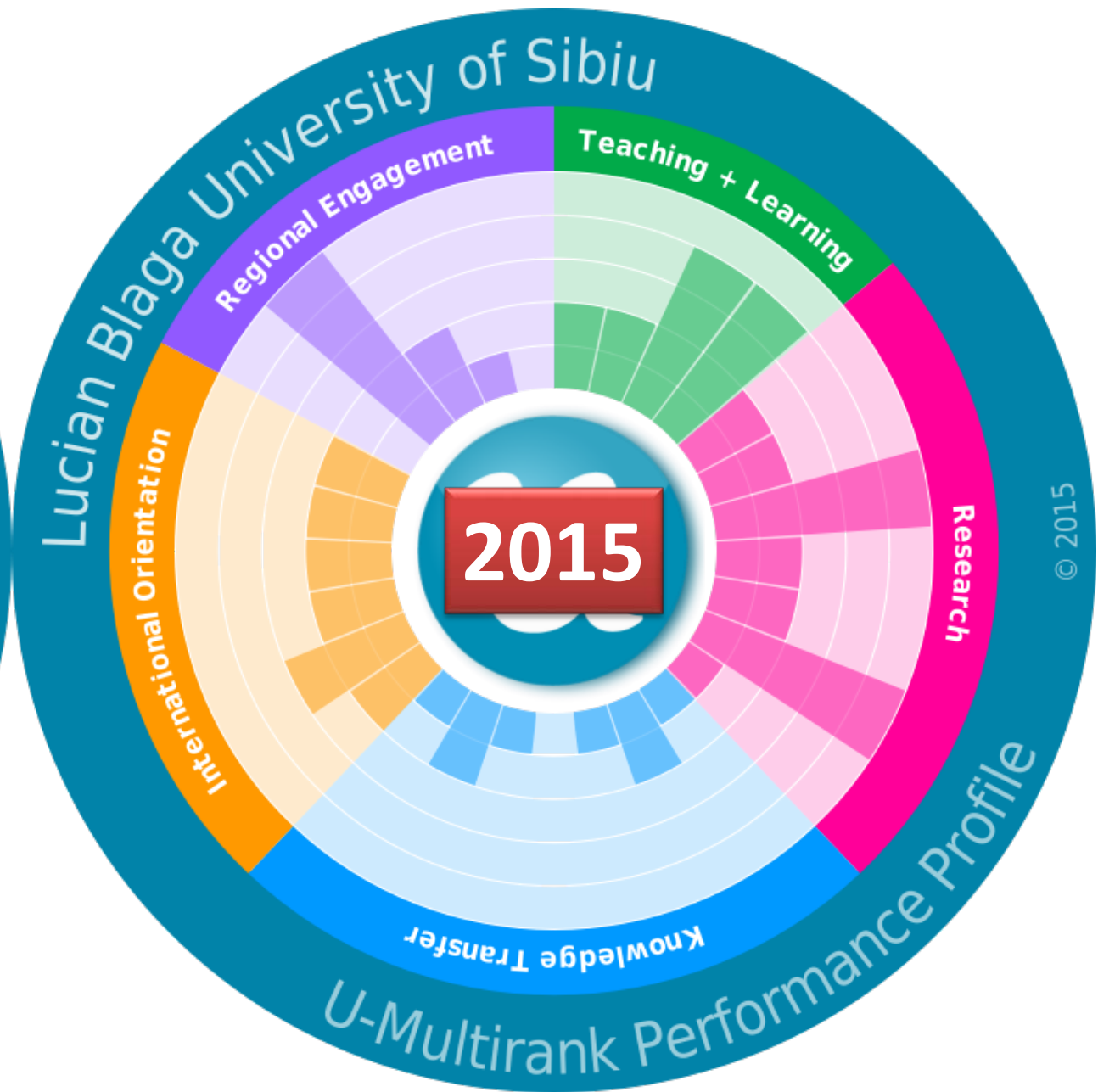
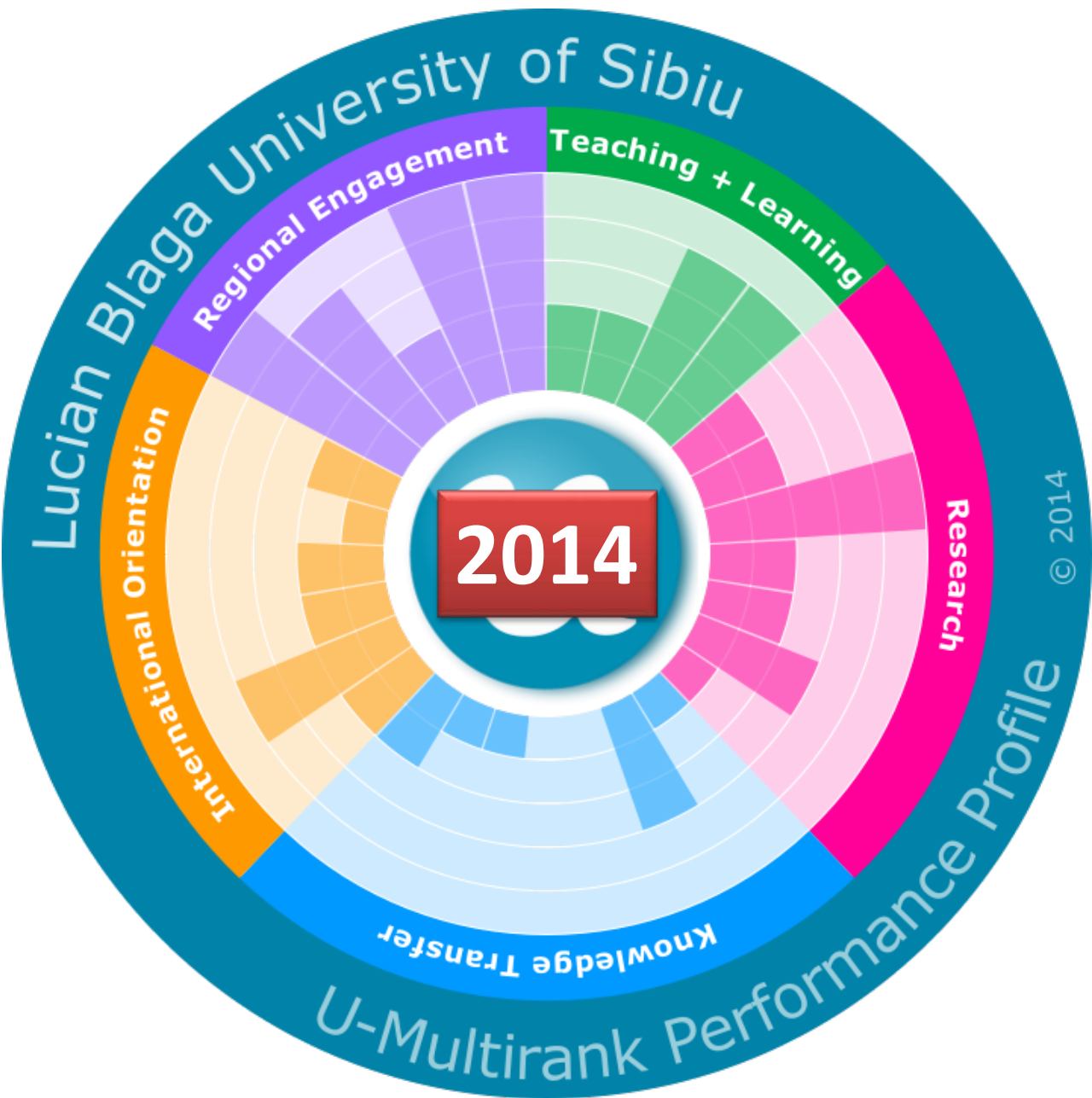
Faculty of Social and Human... ▼

Medicine ▼

Faculty of Medicine ▼









# Improvements !!!

- Post-doc position
- Income for private sources
- Income for continuous professional development
- BA and MA graduates working in the region
- Income from regional sources

# Improvements !!!

- Foreign language BA and MA programmes
- International orientation of BA and MA programmes
- International academic staff
- International doctorate degrees
- International joint publications
- International research grants



# Status



- Nu toate facultățile/programele de studii de la ULBS sunt incluse în platforma U-Multirank!
- Introducerea noilor programe se face treptat la inițiativa platformei pe baza unui calendar internațional acceptat de către stakeholderi
- În anul 2014-2015 au fost adăugate, actualizate și evaluate o serie de programe de studii de la Medicină, Științe socio-umane și Inginerie.
- Datele existente în prezent sunt validate la nivelul absolvenților 2014
- Procesul de actualizare a datelor la nivel instituțional pe platforma U-Multirank este unul continuu.
- În 2014-2015 au fost actualizate/corectate până toate datele solicitate de platformă.
- Anul acesta au fost deja două sesiuni de actualizare/validare
- În prezent am solicitat platformei redeschiderea chestionarului instituțional pentru anul 2015. Acesta a fost deschis inițial în iulie-august, perioadă în care nu puteau fi furnizate datele necesare.





# Probleme & Măsuri

- **Criteriile costuri/venituri:**
  - la nivelul facultăților nu există date privind costurile/veniturile aferente programelor de studii;
  - este necesară implicarea la nivel conducere DGA pentru calcularea și furnizarea datelor;
  - în majoritatea cazurilor, informațiile privind costurile/veniturile au rămas necompletate.
- **Gestiunea școlarității:**
  - inconsistențe în gestionarea și furnizarea datelor (la nivelul facultăților exista un set de cifre, la nivel central - Secretarul Șef - alte cifre);
  - datele primite de la facultăți au fost verificate cu cele existente la nivelul Secretarului Șef, constatându-se discrepanțe între date;
  - în anumite cazuri de incoerență crescută, s-a preferat opțiunea "Data Not Available" pentru a evita distorsionarea criteriului.
- **Angajabilitate:**
  - nu există date certe la nivel de facultăți/universitate care să permită evaluarea corectă acest criteriu;
  - este necesară implicarea responsabililor de la facultăți, a tutorilor împreună cu BOCSPA și prorectorul de specialitate pentru crearea și actualizarea bazelor de date cu absolvenții ULBS și urmărirea traseului profesional al acestora.



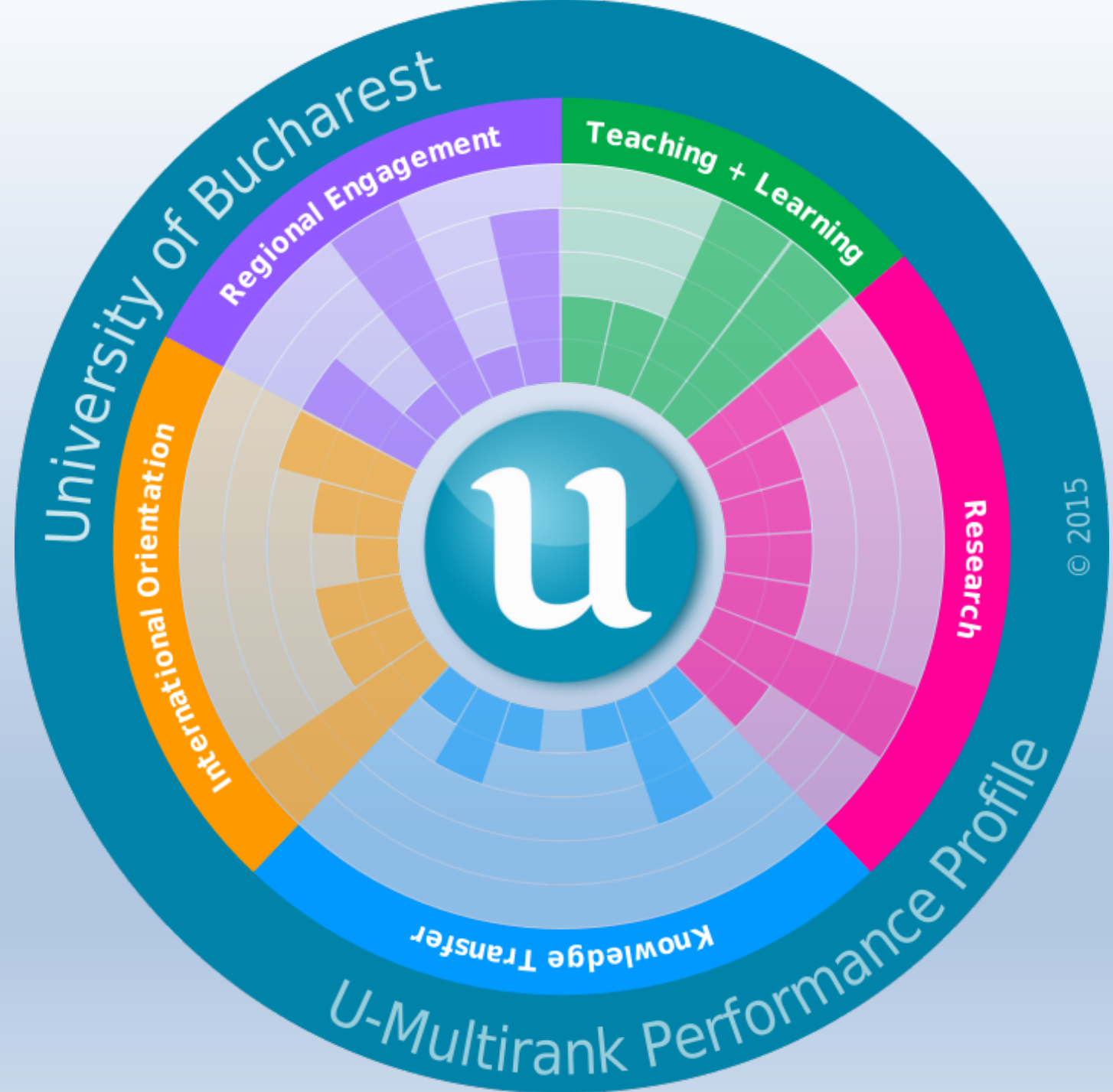
# Probleme & Măsuri

- **Student Survey:**

- la Facultatea de Inginerie s-au completat 120 de chestionare de către studenți (Computer Science)
- la Medicină și la Socio-Umane (care au fost new-entries în platforma de evaluare !!!) nu avem chestionarele de evaluare completate de studenți;
- este necesară desemnarea unor responsabili cu această activitate și implicarea activă a acestor persoane sub coordonarea BAC în vederea transmiterii chestionarelor către studenți;
- procedurarea tutoriatului în vederea derulării structurate a activităților (culegerea datelor ex. adrese de e-mail, monitorizarea studenților-traseu profesional, stabilirea continuității pentru activitate-anul I-terminal etc.)

- **Internaționalizare:**

- evidența strictă și comună (atât la nivel de facultate cât și la nivelul structurii de specialitate) a mobilităților studențești/cadre didactice (există discrepanțe între situațiile oferite de facultăți și cele existente la structura de specialitate);
- **MOBILITĂȚILE REPREZINTĂ 1 CRITERIU DIN CELE 12 AFERENTE CAPITOLULUI! – nu sunt suficiente pentru evaluarea completă!**
- **activitățile extracurriculare derulate cu studenții străini nu constituie indicator evaluabil în platforma de multiranking!**
- este necesară înființarea/operationalizarea de programe joint/dual degree;
- este necesară o creștere la indicatorul „international academic staff” – revizuire regulament, identificare, invitare etc.



Business studies ▼

Faculty of Business and Ad... ▼

Physics ▼

Faculty of Physics ▼

Computer Science ▼

Faculty of Mathematics and ... ▼

Psychology ▼

Psychology and Educational... ▼



Business studies ▼

Faculty of Business and Ad... ▼

Physics ▼

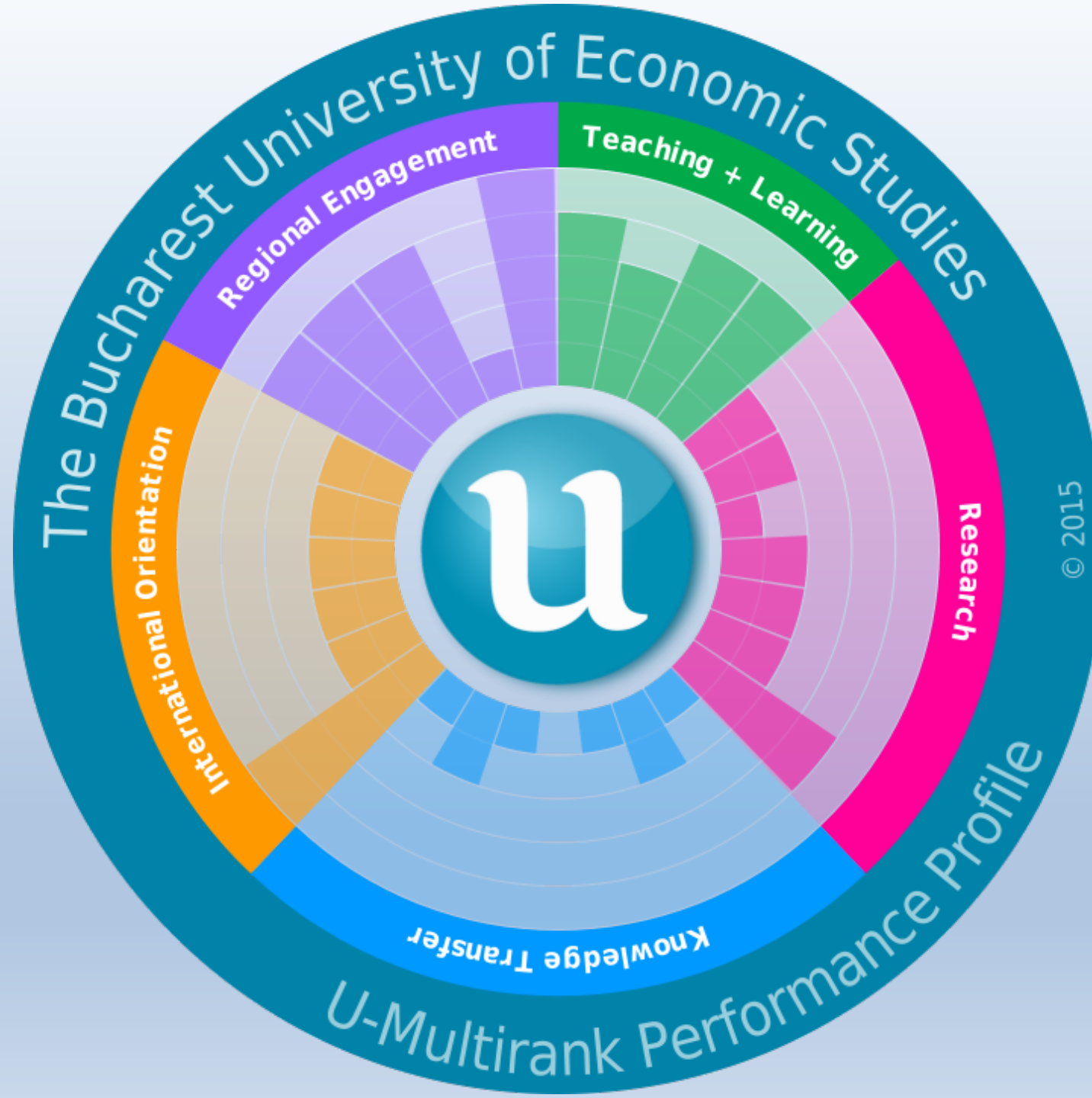
Faculty of Physics ▼

Computer Science ▼

Faculty of Mathematics and ... ▼

Psychology ▼

Psychology and Educational... ▼







UNIVERSITATEA  
BABEȘ-BOLYAI

## Business studies

Faculty of Economics and Business Administration

Faculty of Business

## Physics

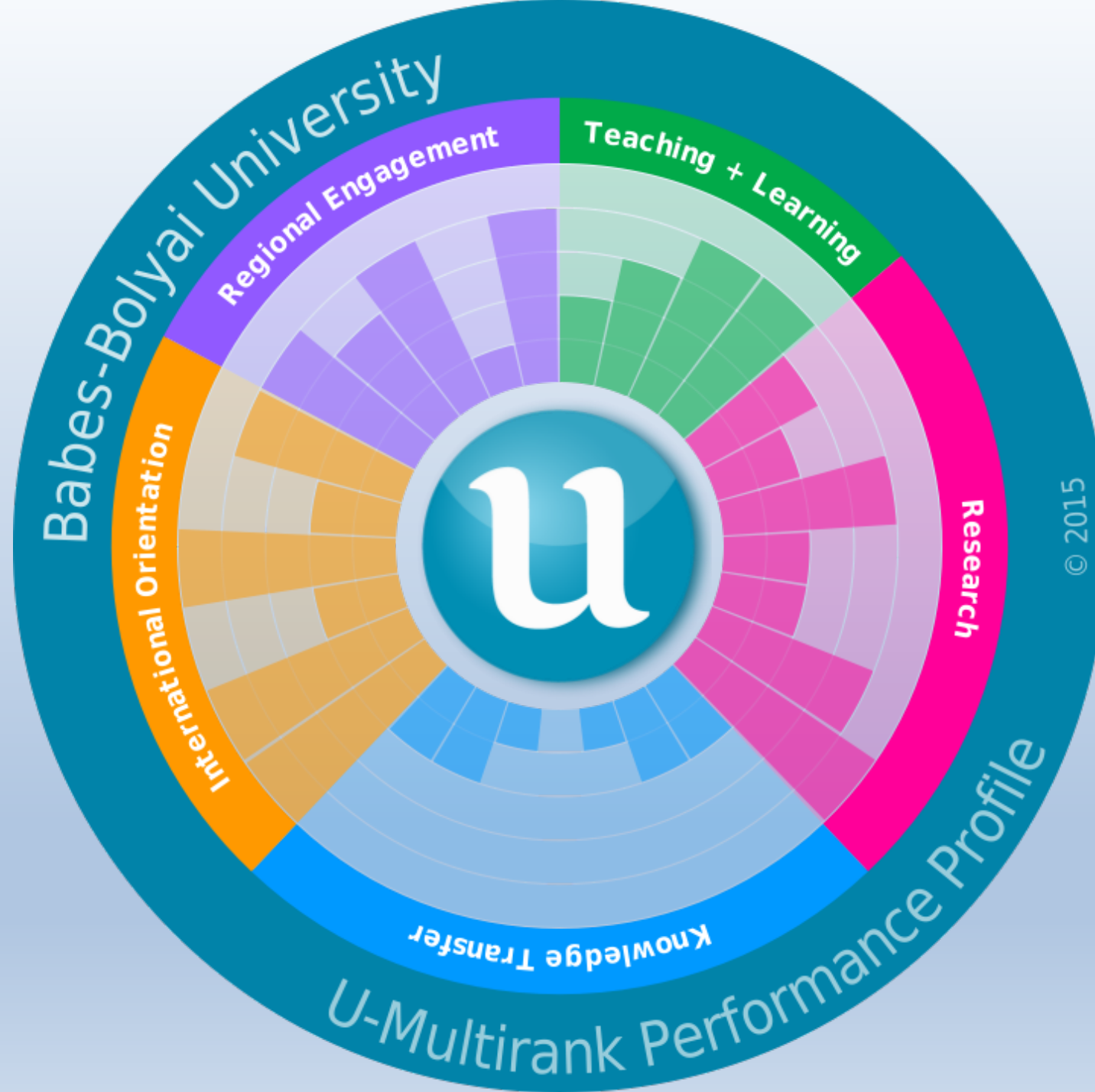
Faculty of Physics

## Psychology

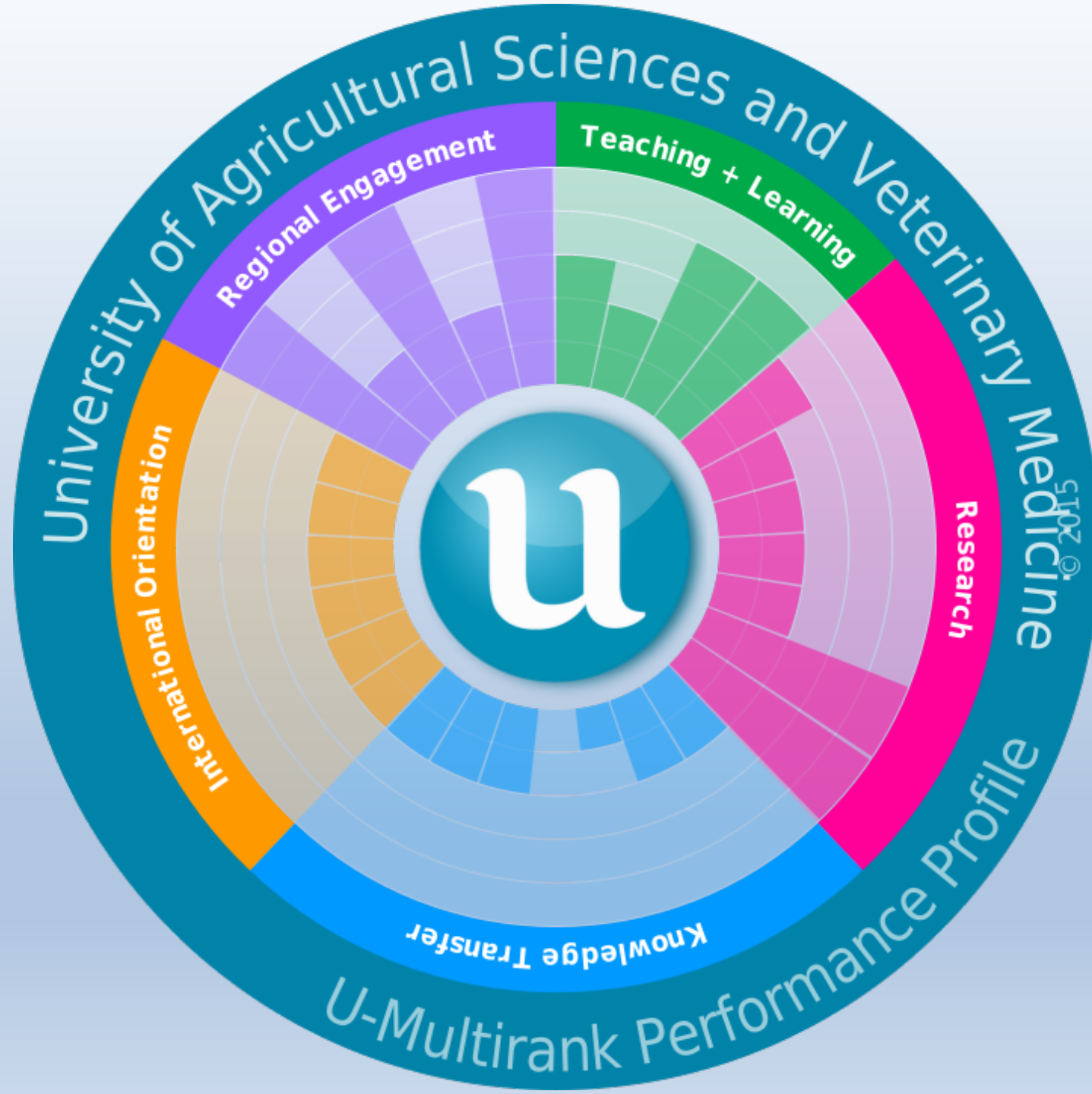
Faculty of Psychology and Educational Sciences

## Computer Science

Faculty of Mathematics and Computer Science









**UNIVERSITATEA TEHNICĂ**  
DIN CLUJ-NAPOCA

Electrical Engineering ▼

Faculty of Electrical Enginee... ▼

Faculty of Electronics, Telec... ▼

Mechanical Engineering ▼

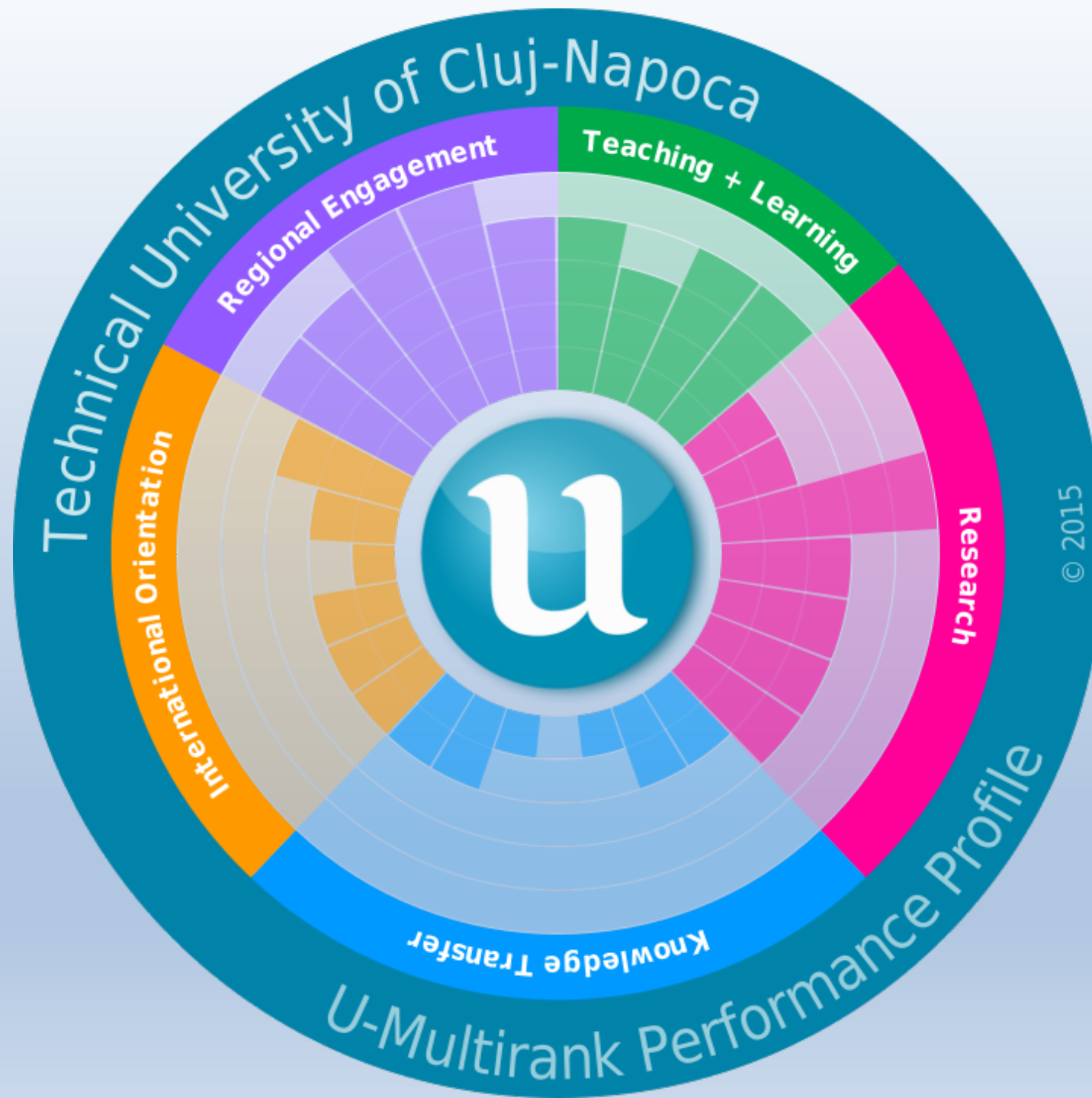
Faculty of Machine Building ▼

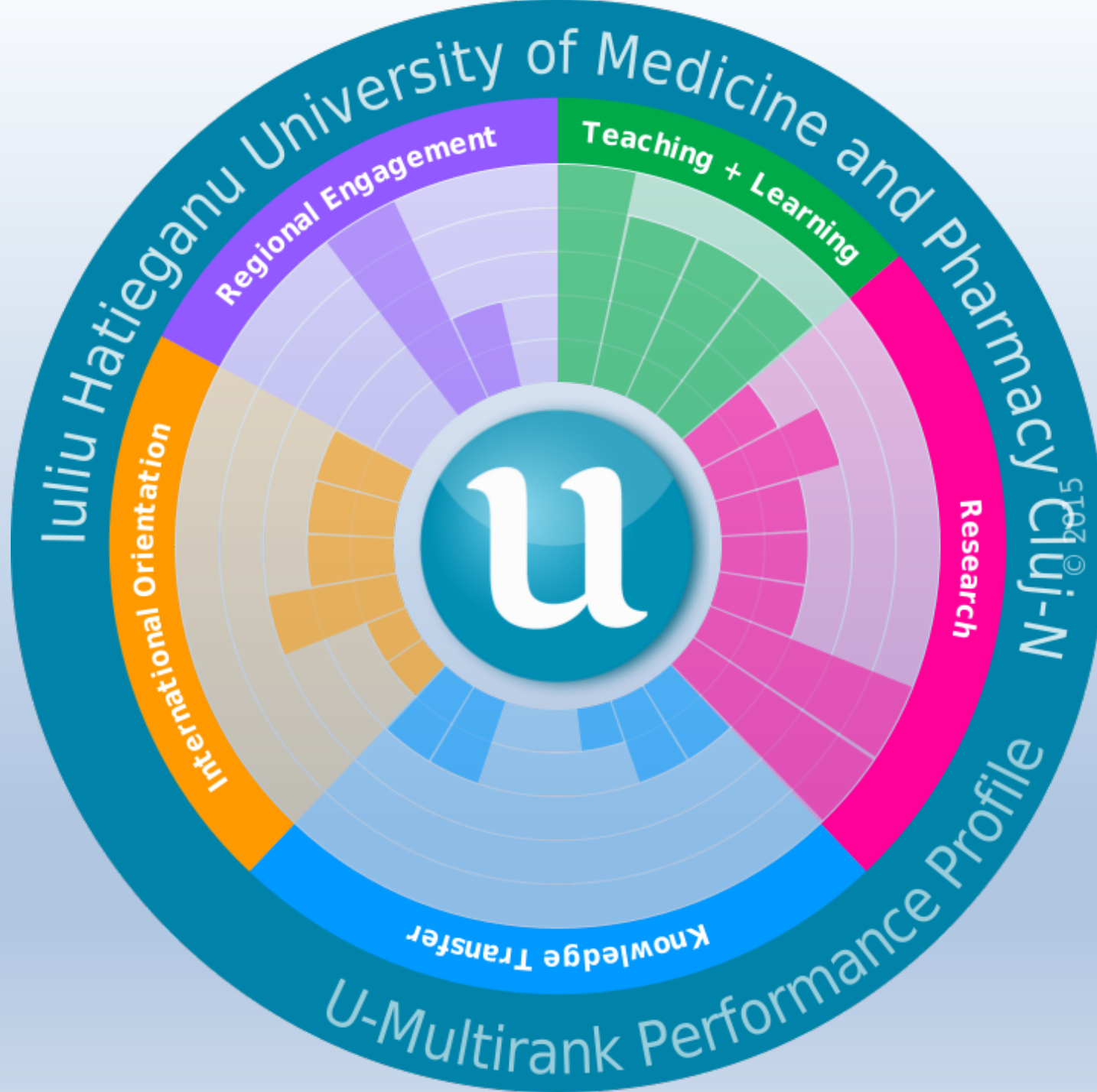
Faculty of Mechanics ▼

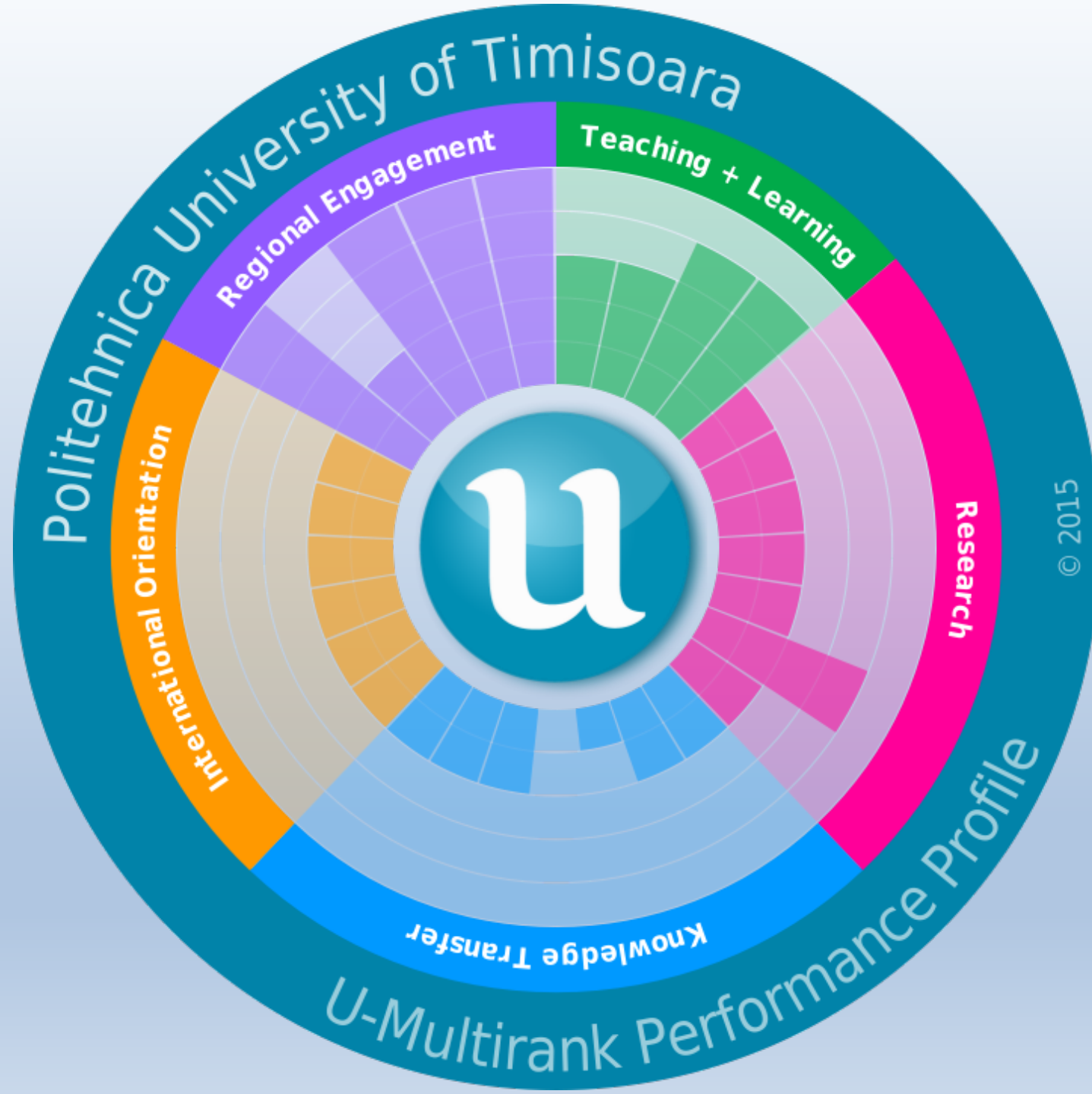
Faculty of Material and Envir... ▼

Computer Science ▼

Faculty of Automation and C... ▼







Business studies ▼

Faculty of Economics and B... ▼

Physics ▼

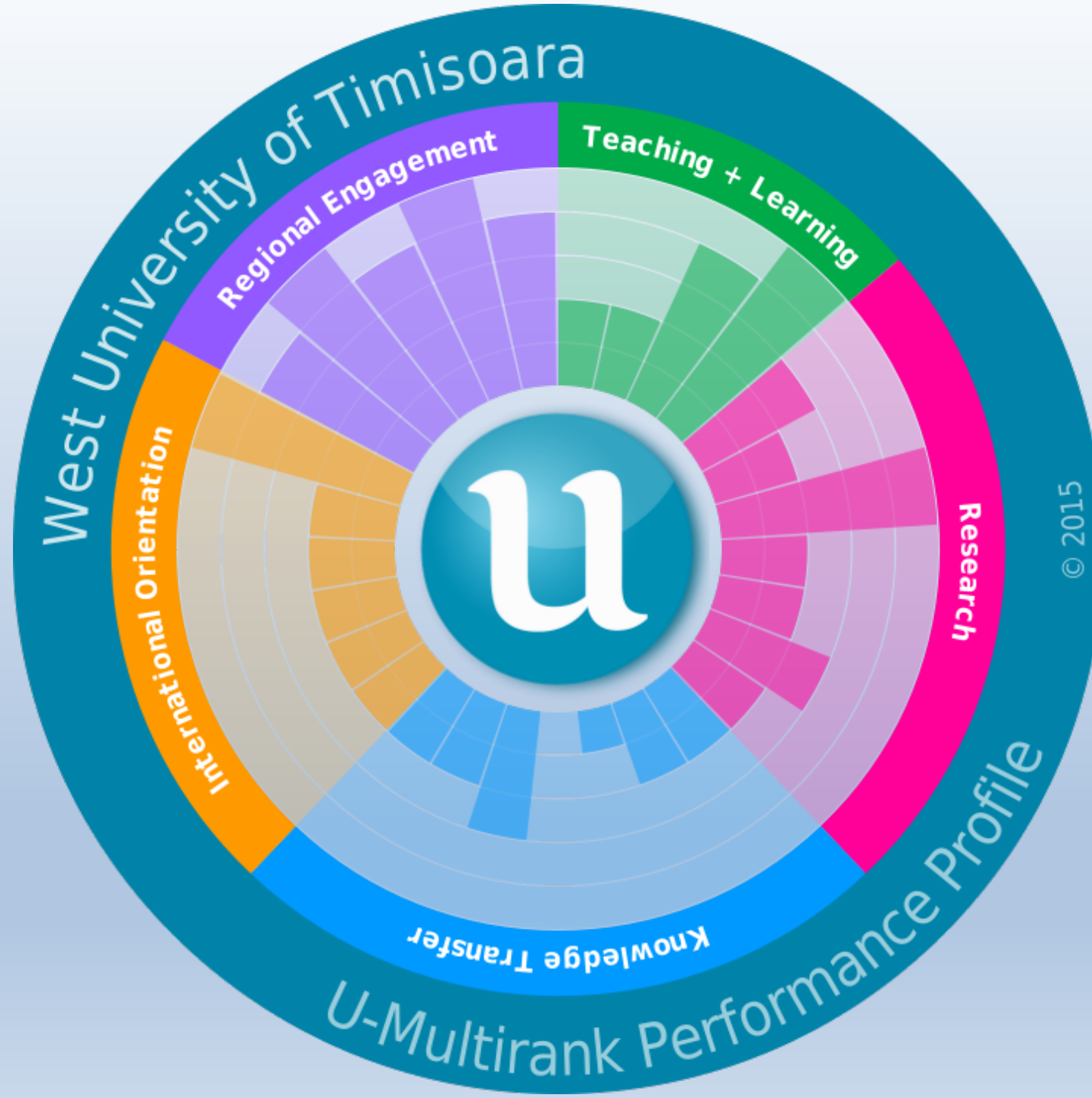
Faculty of Physics ▼

Computer Science ▼

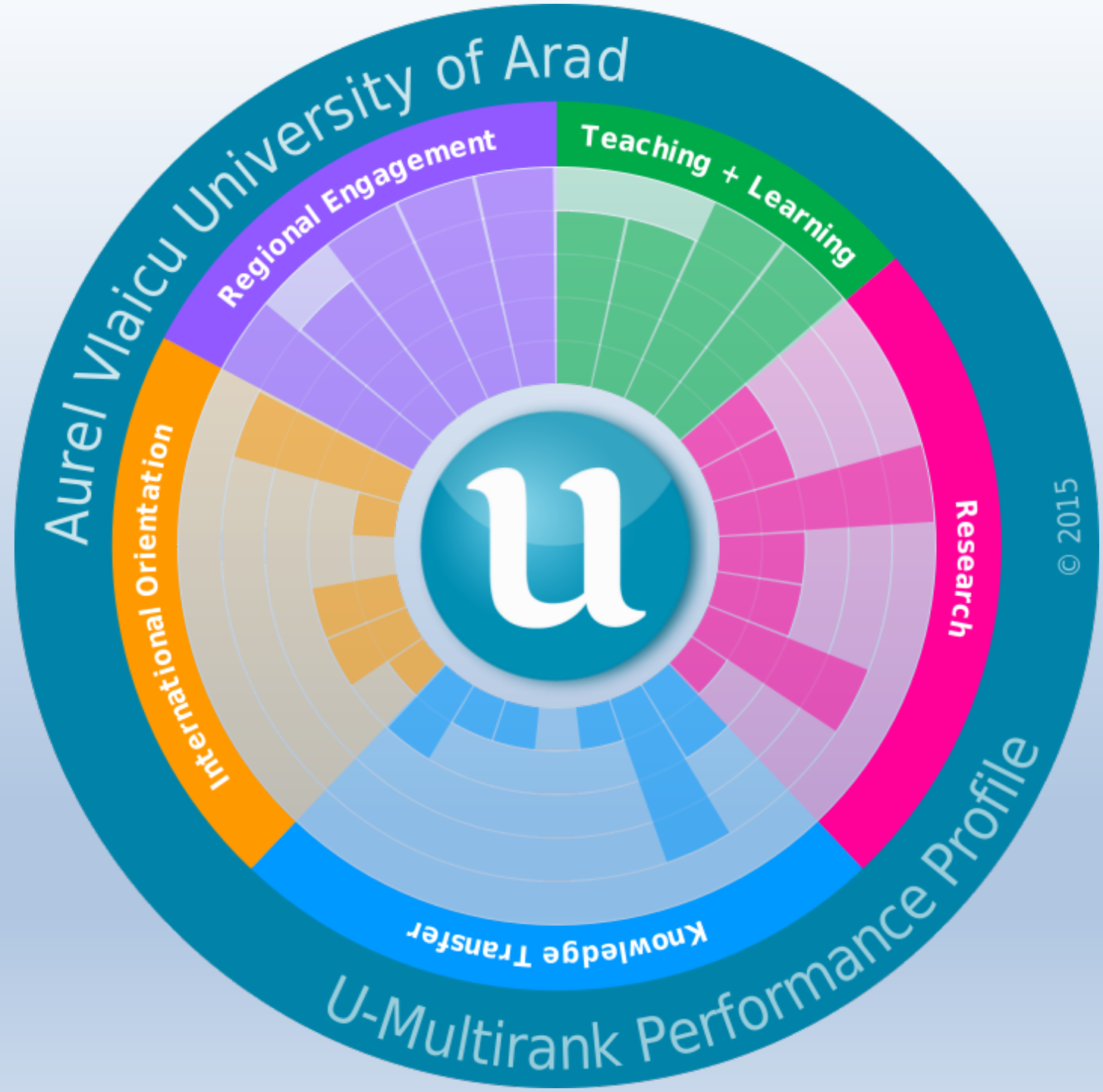
Department of Computer Sc... ▼

Psychology ▼

Psychology ▼







Computer Science ▼

Faculty of Exact Sciences ▲

Computer science

Applied IT in Sciences, Tec..



Medicine ▼

Department of General Med... ▼

General Medicine in Roma...

General Medicine in French

General Medicine in English

Balneo-, physio-, kineothe...

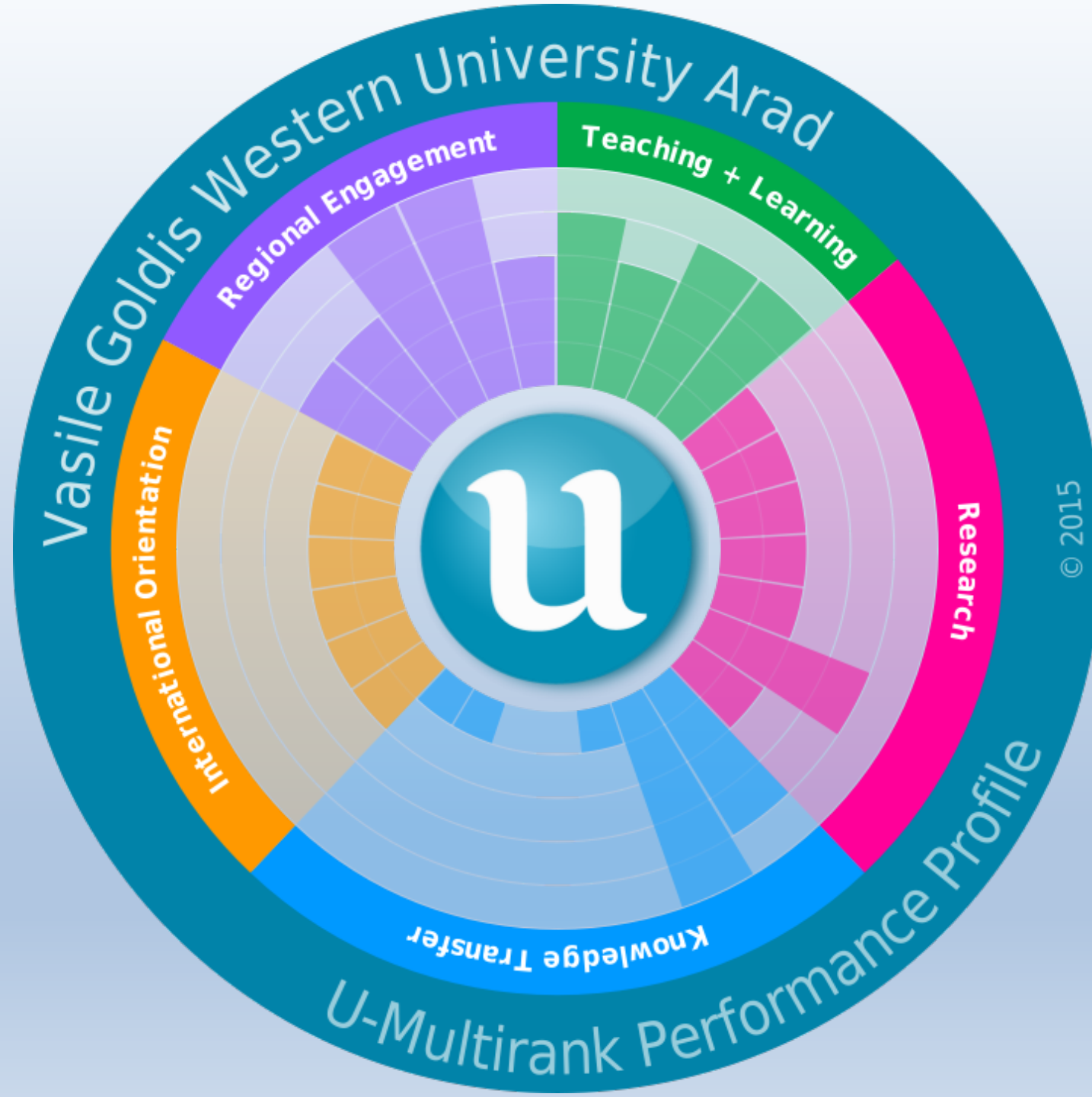
Social Medicine and Sanita...

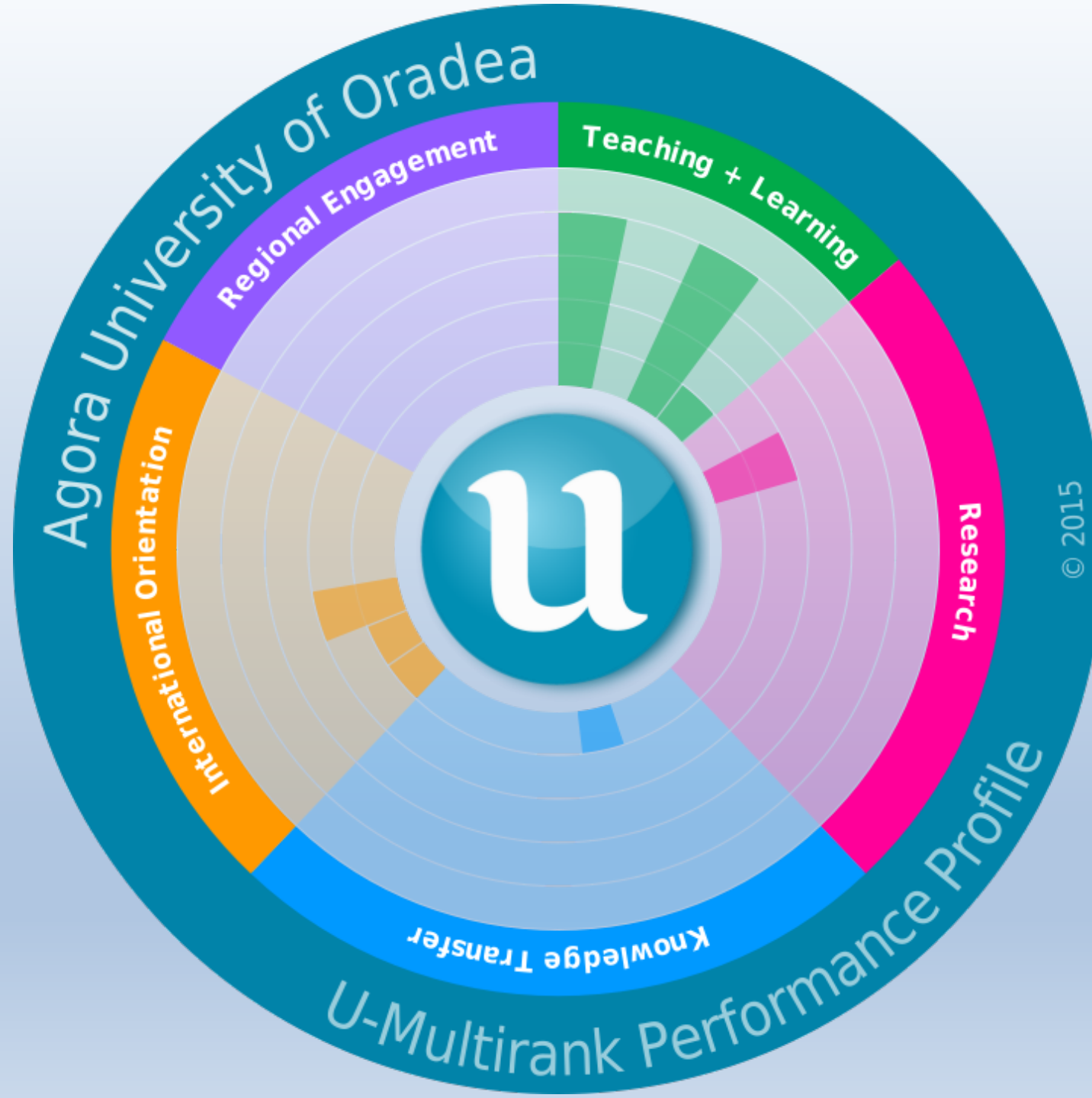
Psychology ▼

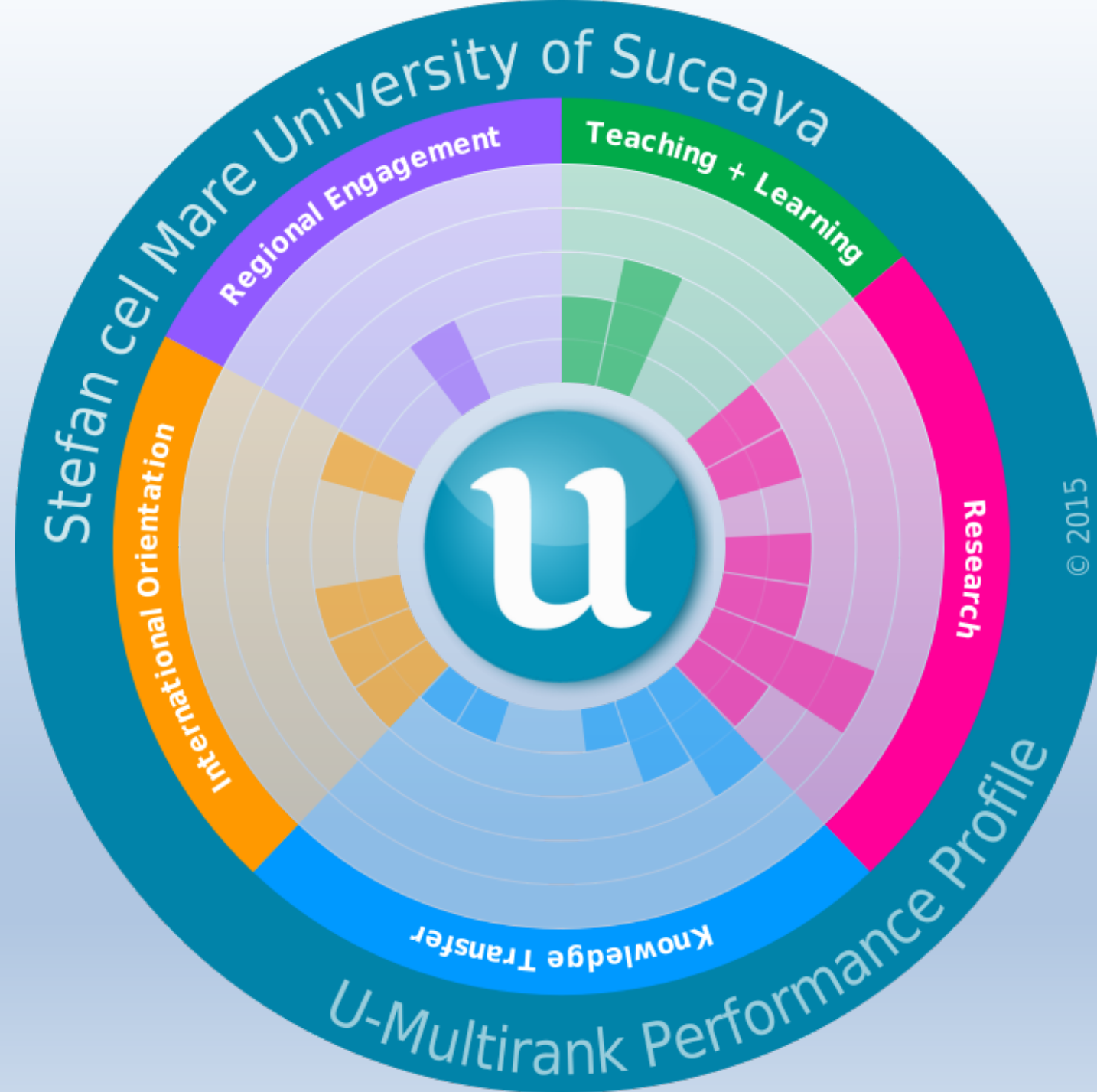
Department of Psycho-pe... ▲

Psychology

Clinical Psychology and Ps...







Computer Science ▼

Faculty of Electrical Engin... ▲

Informatics Management i...

Computer Science and Eng...

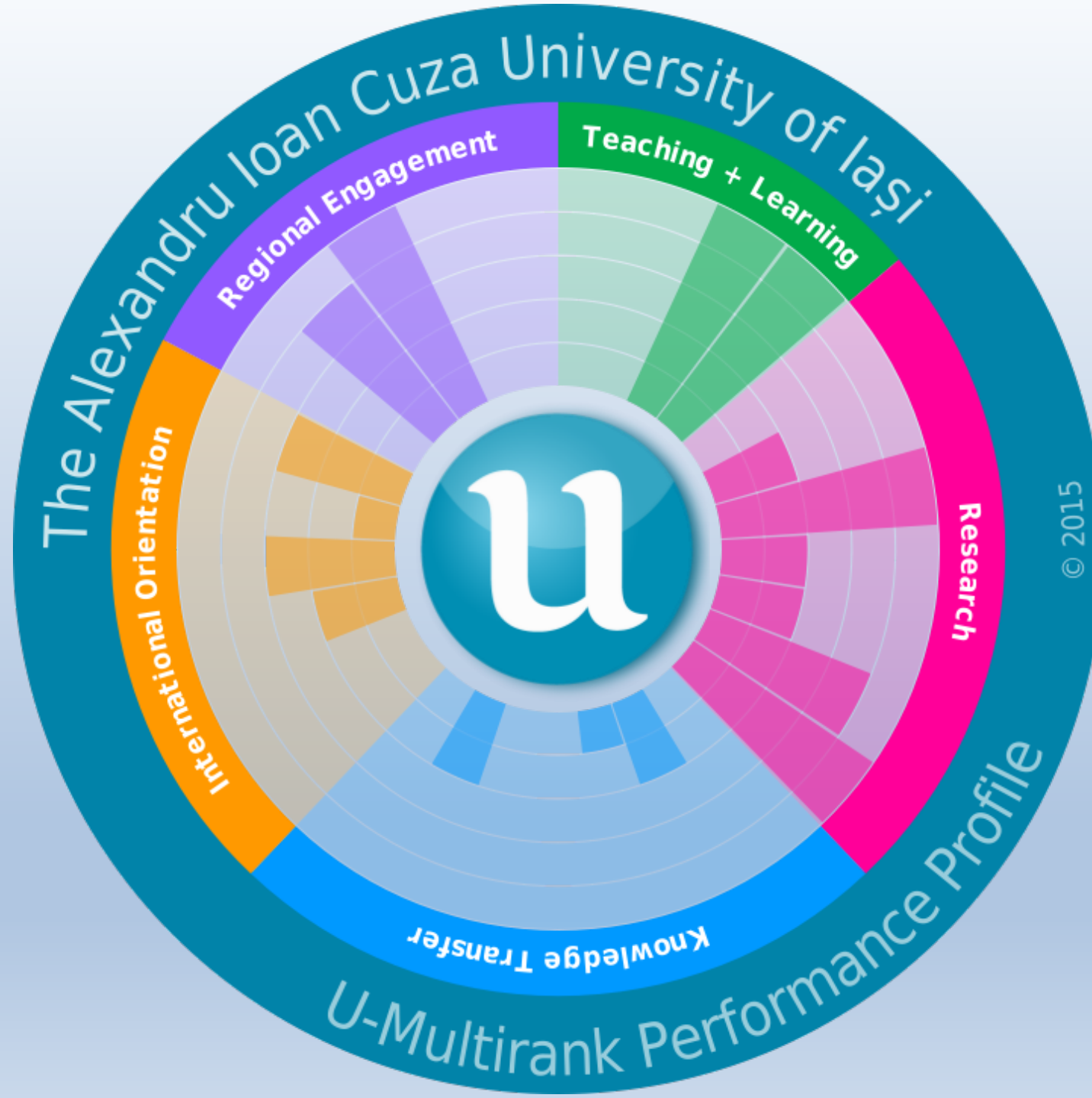
Computers

Automation and Applied C...





UNIVERSITATEA  
„ALEXANDRU IOAN CUZA“  
din IAȘI

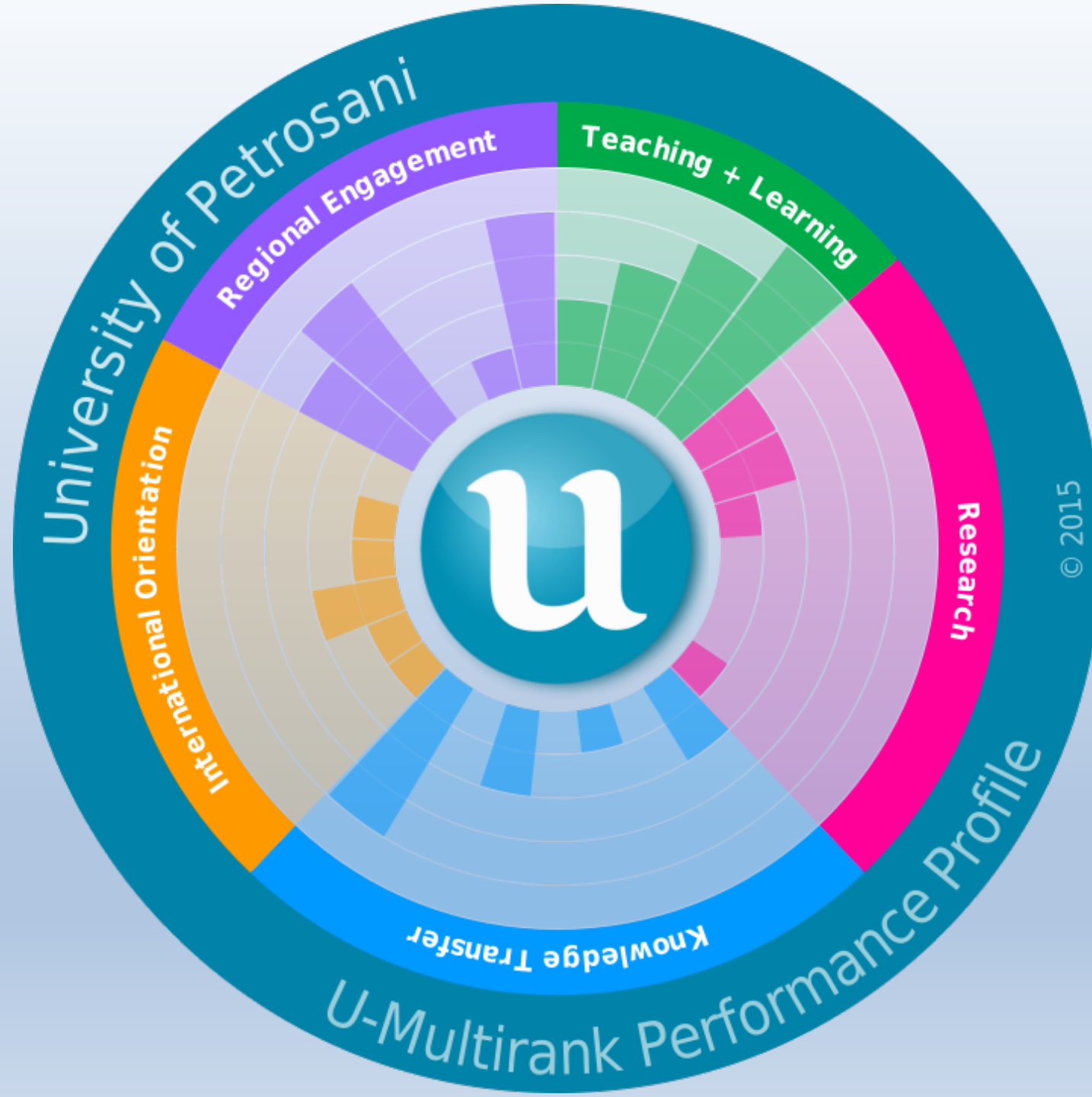


Business studies ▼

Faculty of Economics and B... ▼

Physics ▼

Faculty of Physics ▼



Electrical Engineering ▼

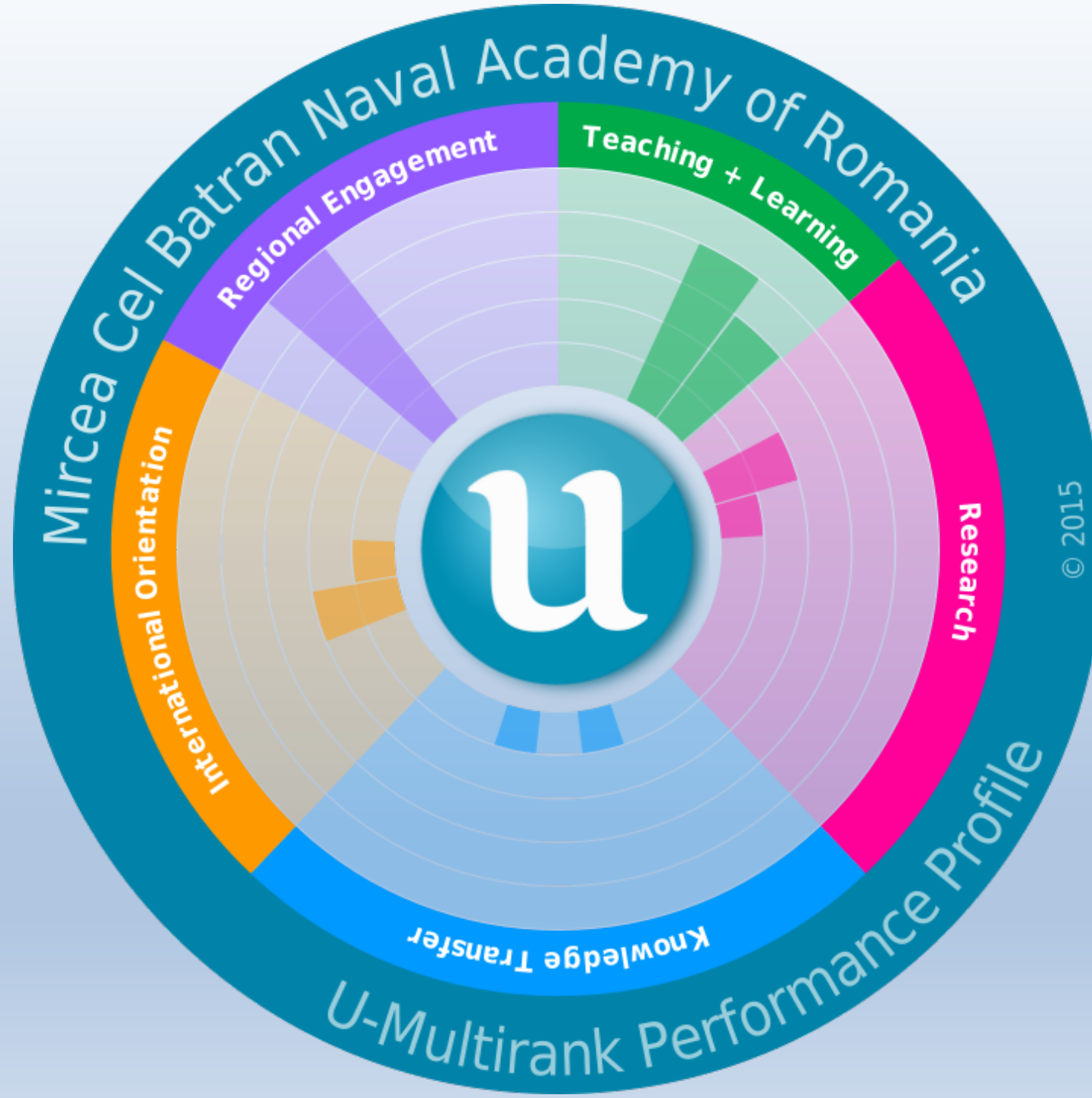
Department of Control Engi... ▼

Mechanical Engineering ▼

Department of Mechanical E... ▼

Business studies ▼

Department of Economics ▼



Business studies ▼

Department of Naval and P... ▼

Electrical Engineering ▼

Department of Naval Electri... ▼

Mechanical Engineering ▼

Department of Marine Engi... ▼

# VĂ MULȚUMESC !



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