



**universidade do minho** | [www.uminho.pt](http://www.uminho.pt)



Universidade do Minho







**Braga**  
the ancient and 3<sup>rd</sup> Portuguese city



**Guimarães**  
the cradle of the Portuguese Nation  
UNESCO Human Heritage





universidade do minho / university of minho







**Universidade do Minho**







Universidade do Minho



people

- **19 100 students**
- **1 300 faculty**
  - 900 as full-time academic staff (96% PhD)
- **850 technical and administrative staff**
  - 250 grant-holding researchers working in R&D projects and units
  - 900 students holding research grants working in the University's Research Centres
  - 30 tenured full time researchers
  - 50 post-doctorate scholarship researchers







## infrastructures

2 main *campi*

- Campus of Gualtar (38 ha)  
Braga  
3<sup>rd</sup> Portuguese city
- Campus of Azurém (27 ha)  
Guimarães  
cradle of the Portuguese Nation



Gualtar Campus , Braga



Azurém Campus , Guimarães





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## 4 multi-functional complexes

- Rectorate  
Historical building, Braga
- *Congregados*  
Historical building, Braga  
Music
- *AveParque*  
Science & Technology Park  
Laboratories; Incubator
- *Couros*  
Guimarães,  
Post-graduation Centre  
Design Institute







Couros Campus , Guimarães



AvePark





## schools / faculties

- Architecture
- Arts and Humanities
- Economics and Management
- Education
- Engineering
- Law
- Medicine
- Nursing
- Psychology
- Sciences
- Social Sciences







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## Mission

The University's mission shall be the creation, dissemination and application of knowledge, under the spirit of freedom of thought and plural critical judgments, through the promotion of higher education and the construction of a society paradigm based on humanistic principles, and having knowledge, creativity and innovation as cornerstones for growth, sustainable development, welfare and solidarity





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## teaching

- 55 undergraduate and integrated master degrees
- 110 master courses
- 40 doctoral courses
- advanced training courses
- 19 100 students
  - 8 000 undergraduate students
  - 4 500 integrated masters degree students
  - 4 500 master students
  - 2 100 doctoral students







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## Inter-institutional teaching projects

- Students mobility (700 in/out, 300 protocols worldwide)
- 25 joint programs at master and doctoral level
  - Europe
  - EUA (MIT and CMU) and China
  - Brazil, Angola, Mozambique, Cape Verde and East-Timor
- Erasmus Mundus / Erasmus+ Masters
- Double diplomas (Portugal and Europe)
- European doctorate and master degrees







## Confucius Institute @ UMinho 葡萄牙米尼奥大学孔子学院

founded in 2005 成立于2005年

with Nankai University as partner 中方合作院校为南开大学







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**UNU**  
**Operating Unit**

**e-governance**



**UNITED NATIONS UNIVERSITY**

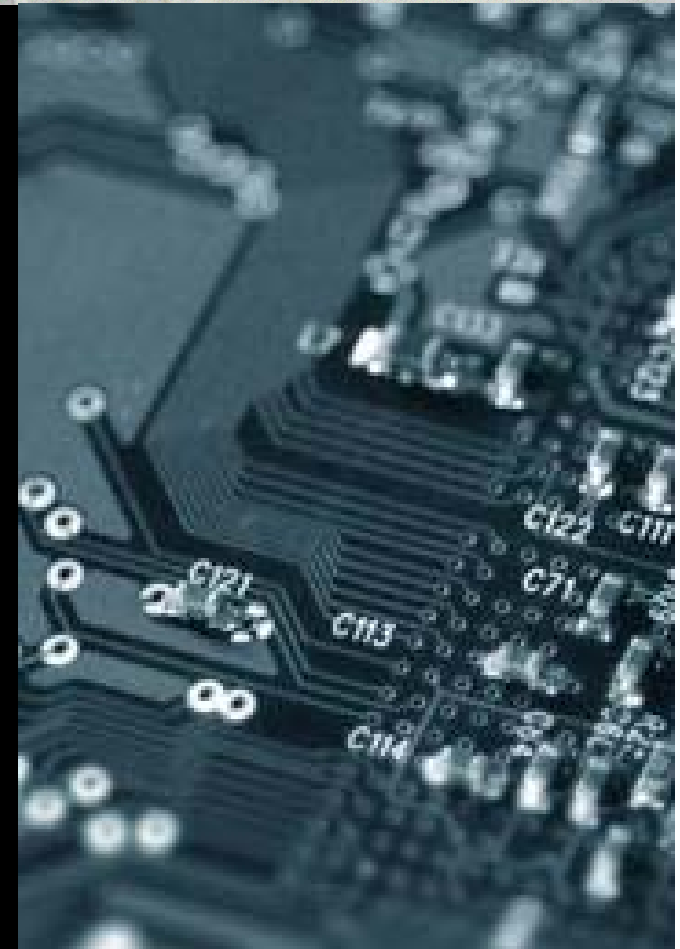




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## research units

- 31 Research Centres
- 22 ranked as *Outstanding, Excellent or Very Good* (70% researchers)
- Associated Labs: bioengineering  
computing  
medicine & biomaterials  
particle physics  
polymers & nanomaterials
- 2 ERC Research Grants
- European Institute of Excellence in Tissue Engineering and Regenerative Medicine







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## research results

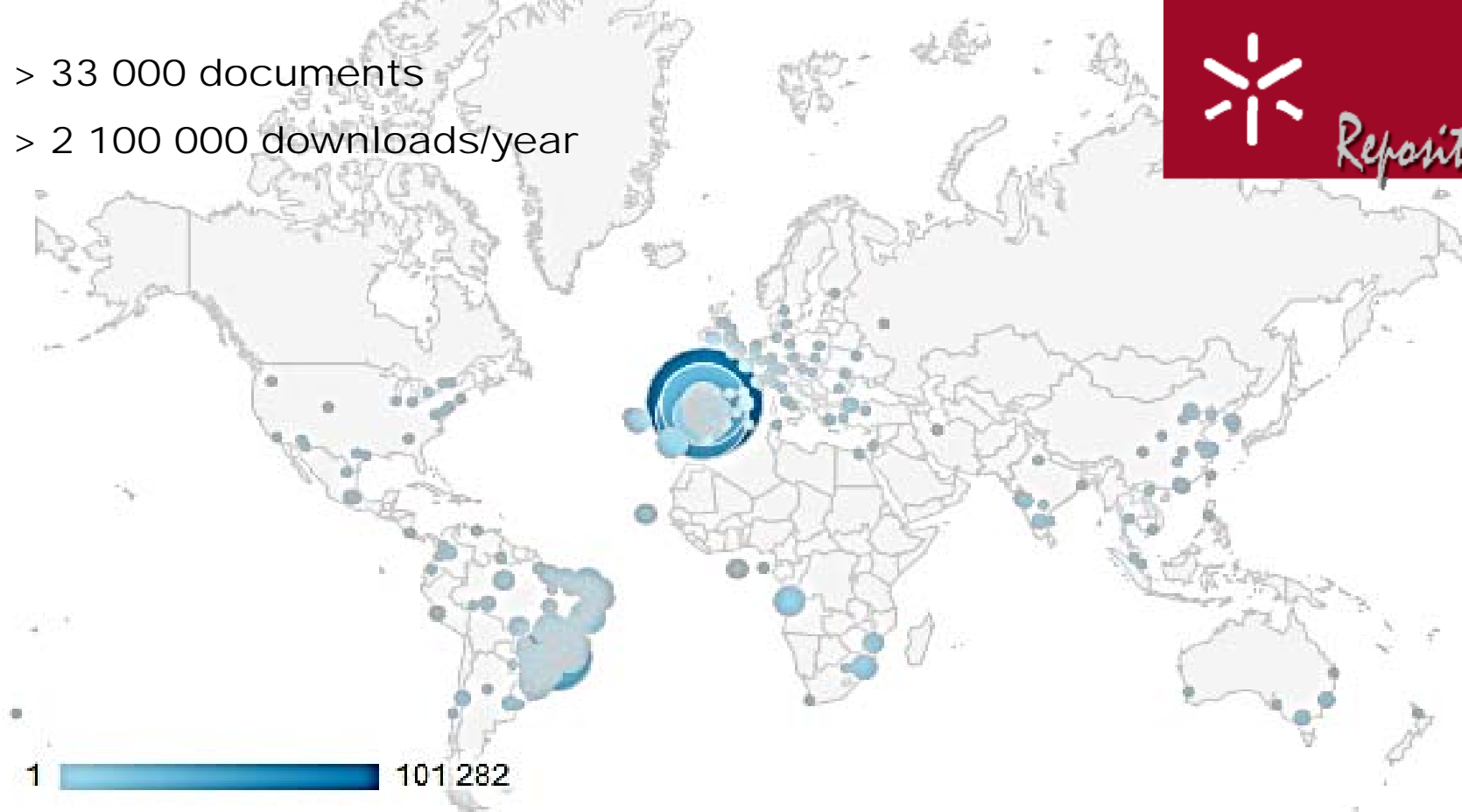
- > 22 000 scientific papers produced at UMinho:
  - 1 512 ISI-WoS in 2014
  - 1 900 Scopus in 2014
- > 33 000 academic publications in **RepositoriUM** (Open Access Institutional Repository)
  - > 2 100 000 downloads/year
- 150 registered patents since 2000
  - 2014: 35 applications







> 33 000 documents  
> 2 100 000 downloads/year







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innovation and knowledge valorisation

**AvePark** - Science and Technology Park

**Spinpark** - Technology-based Incubator

- Valorisation of knowledge
- 50 companies in the areas of communication and information technologies, biotechnology/environment and new materials
- 500 people involved
- Customised training for enterprises; support and protection of industrial property, patent registration
- **TecMinho**: intellectual property management and entrepreneurship promotion







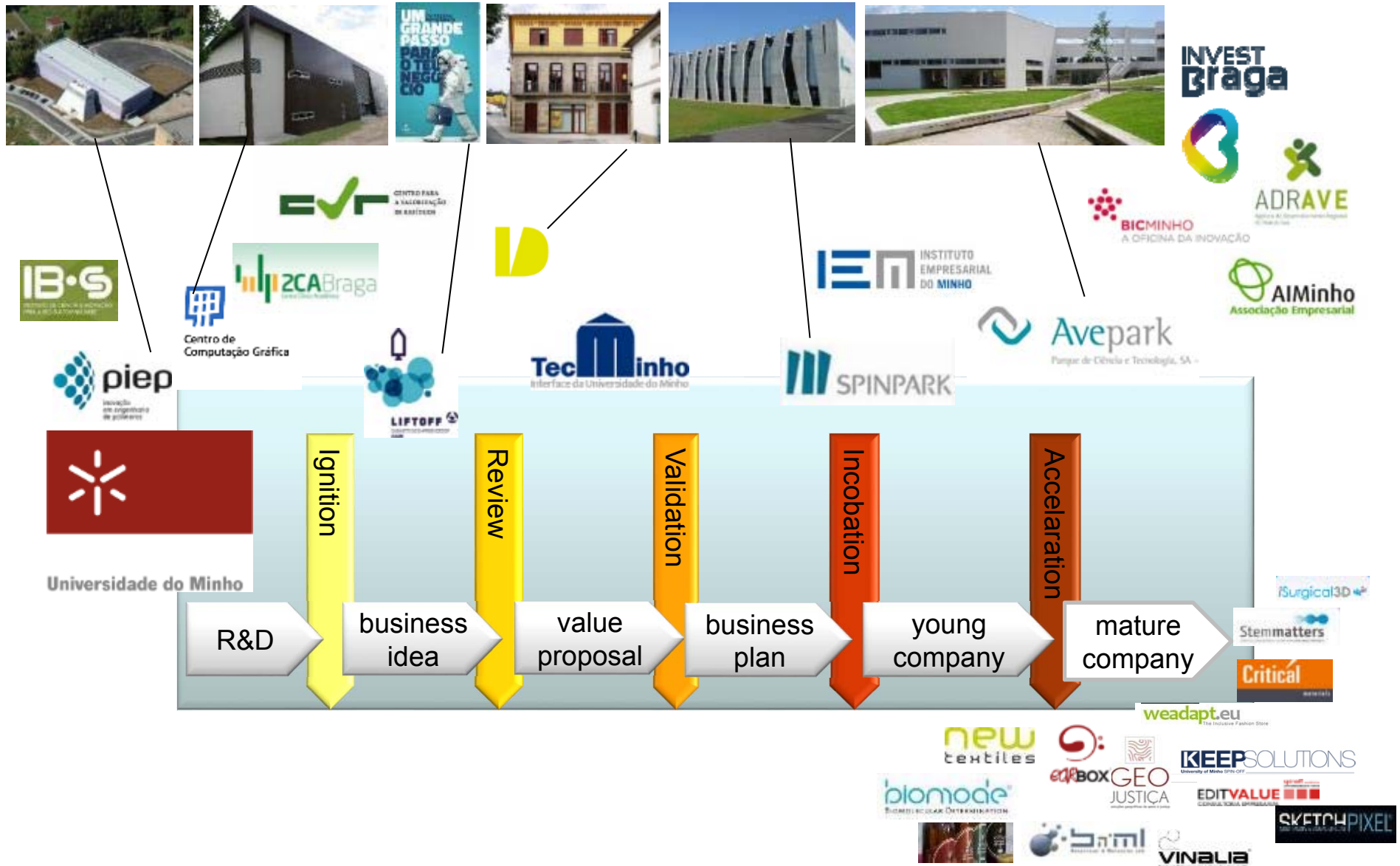
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## interface units

- Centro Clínico Académico, **2CA**  
*Academic Clinic Centre* 
- Centro de Computação Gráfica, **CCG**  
[www.ccg.pt](http://www.ccg.pt) *Centre for Computer Graphics and Virtual Reality* 
- Centro para a Valorização de Resíduos, **CVR**  
[www.cvresiduos.pt](http://www.cvresiduos.pt) *Centre for Residue Valorisation* 
- Instituto para Bio-Sustentabilidade, **IB-S**  
*Sustainable solutions* 
- Instituto de Design, **IDG**  
*Design Institute* 
- Inovação em Engenharia de Polímeros, **PIEP**  
[www.piep.pt](http://www.piep.pt) *Innovation in Polymer Engineering* 

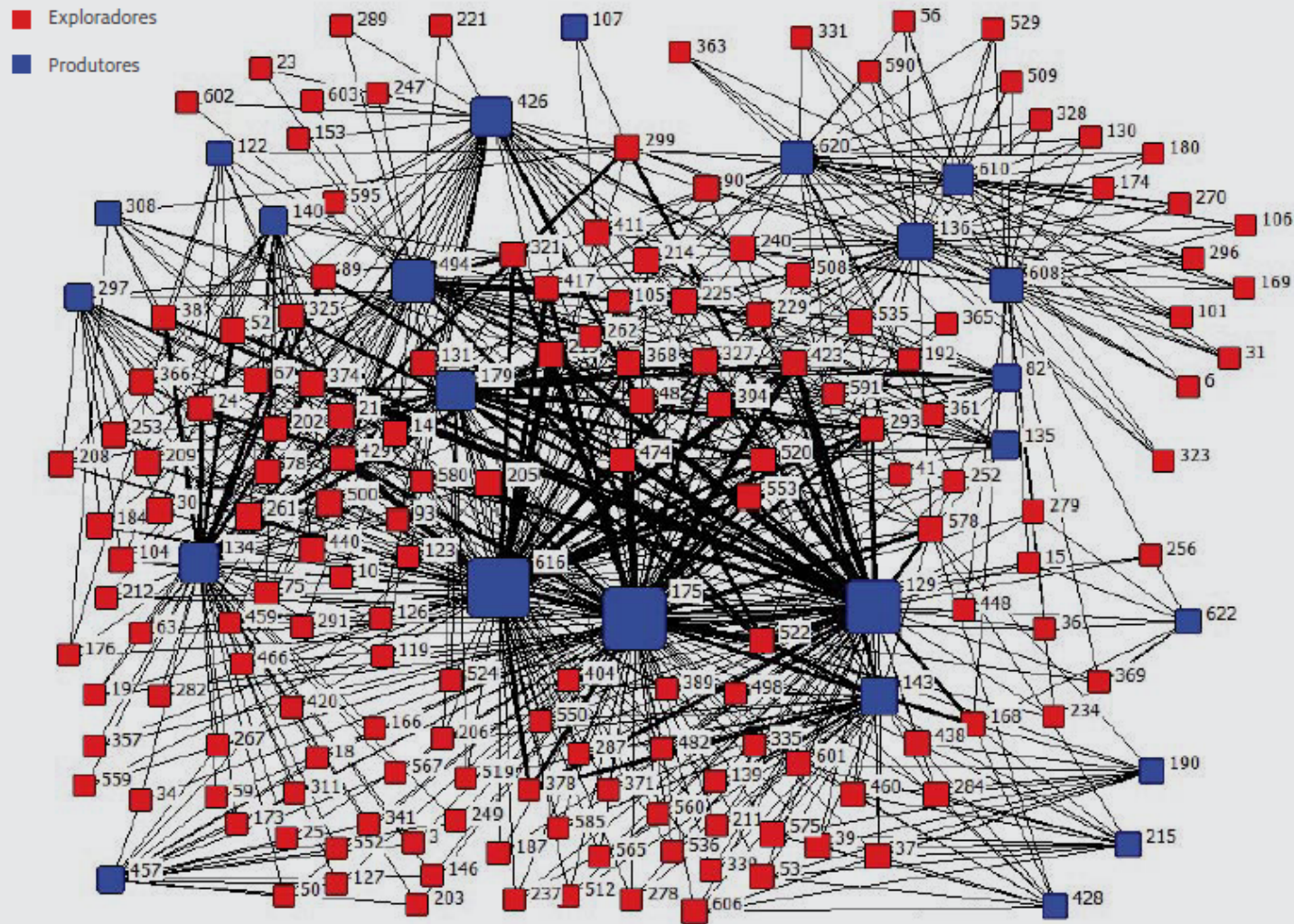


# UMinho ecosystem for entrepreneurship and innovation





### Rede de Exploradores e Produtores



As entidades com maior centralidade na rede são a **Universidade do Minho** (175), a Faculdade de Engenharia da Universidade do Porto (616) e a Universidade de Aveiro (129). Fazendo um segundo círculo, mais alargado, de centralidade na rede, encontramos ainda a Universidade de Coimbra (143), a Universidade da Beira Interior (179), o Centi – Centro de Nanotecnologia e Materiais Técnicos, Funcionais e Inteligentes (494) e o Instituto Superior Técnico (134).



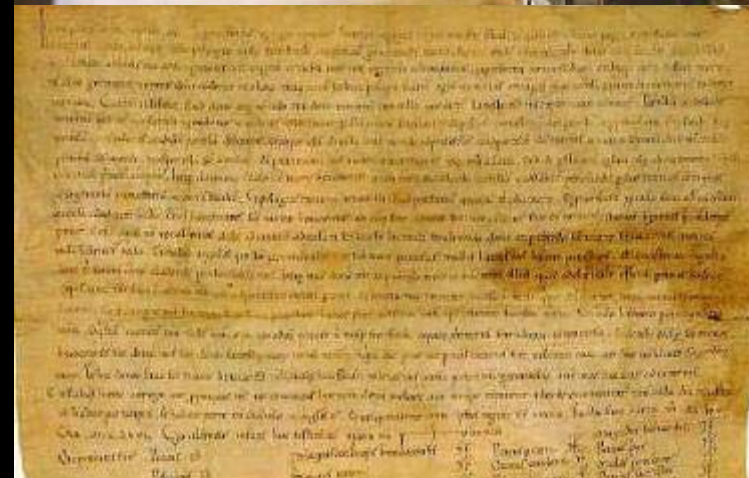


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## cultural and special units

- the District Archive of Braga
- the Public (historical) Library of Braga
- the House Museum of Monção
- the *Lusíadas* Study Centre
- the Nogueira da Silva Museum
- the Archaeology Unit
- the Adult Education Unit
- **Lúcio Craveiro da Silva Library**
  - partnership with the Braga City Council
  - > 1 300 visitors/day







University Orchestra





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## sports

- 471 students won medals
- 112 medals in national championships
- European champion in University Handball (2012, 2013 and 2014)
- > 7 000 students enrolled in sport activities
- > 140 sport events in the university each year

(2014 figures)







Universidade de Coimbra

## Quality assurance

- **Quality Assurance System**

**SIGAQ-UM**

**A3ES Certified**



**Política para a  
qualidade**

Estratégia e planos.





**UMinho**

**best  
Portuguese  
university**

**2014**



**THE** WORLD UNIVERSITY RANKINGS 2014-15



CWTS Leiden Ranking 2014



**THE**

TIMES HIGHER EDUCATION  
100 UNDER 50  
2014







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the future

**Challenges**

**Opportunities**

**Strategy**







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# the future

- UMinho 2020,  
Strategic Plan

*Sustainable growth  
to win the future*

## PLANO ESTRATÉGICO UMINHO 2020

*crescimento sustentado para cumprir o futuro*

[Versão VP1]





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# UMinho strategy 2020

objectives

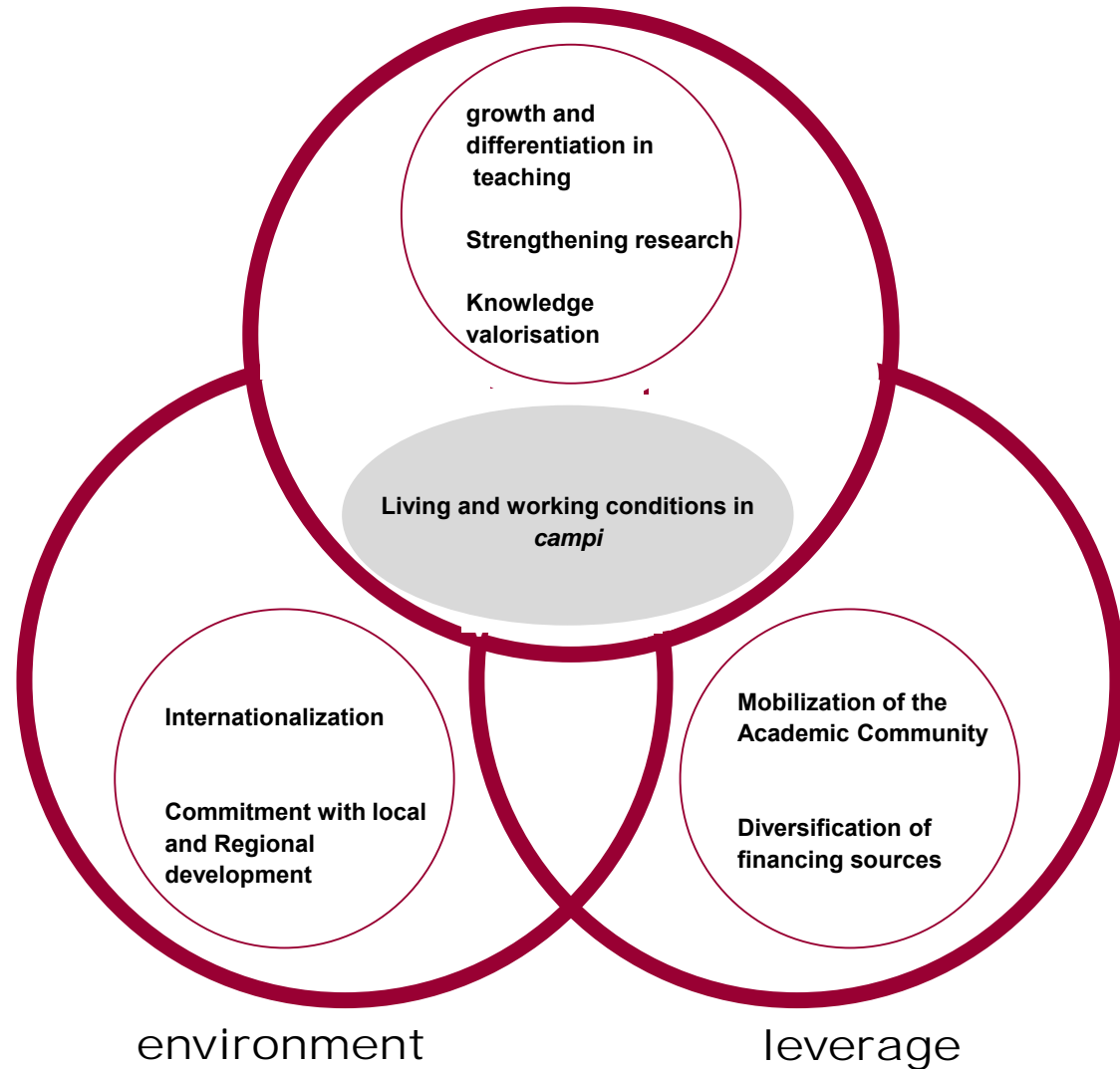
## Objetives UMinho 2020

25.000 students  
(45% Msc & PhD)  
development on-line  
teaching

international reference  
in research

Portuguese university  
with higher impact in  
social & economic  
development

top Portuguese university  
in major performance  
indicators

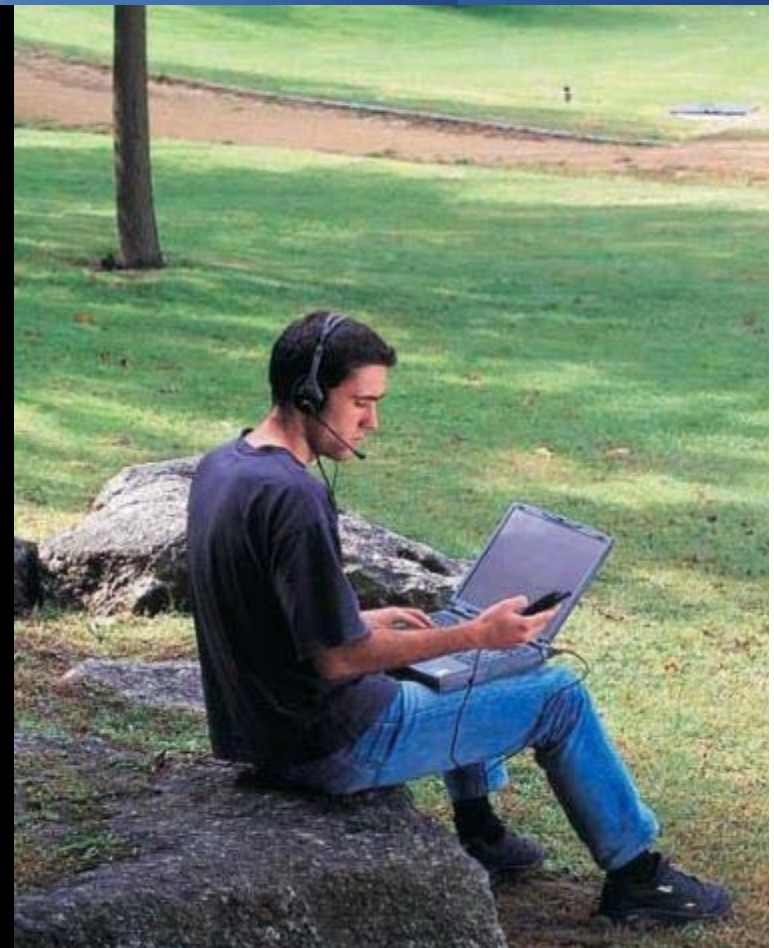




# FUTURE AHEAD

the future (... in teaching)

- **Teaching-research coupling**
- **Internationalization**
- **New publics and e-learning**
- **Emerging areas**
- **Teaching (also) in English**
- **Teaching Support Center**







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the future (... in research)

- **International partnerships**
- **Groups of excellence**
- **Multidisciplinary areas with societal relevance**
- **Mobility of students and researchers**





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FUTURE AHEAD

the future (... of the Region)

- development of UMinho / Regional innovation ecosystem
- engagement in the economy of creativity
- commitment with intelligent specialization strategies .... EU2020 / RIS3
- cultural promotion and production

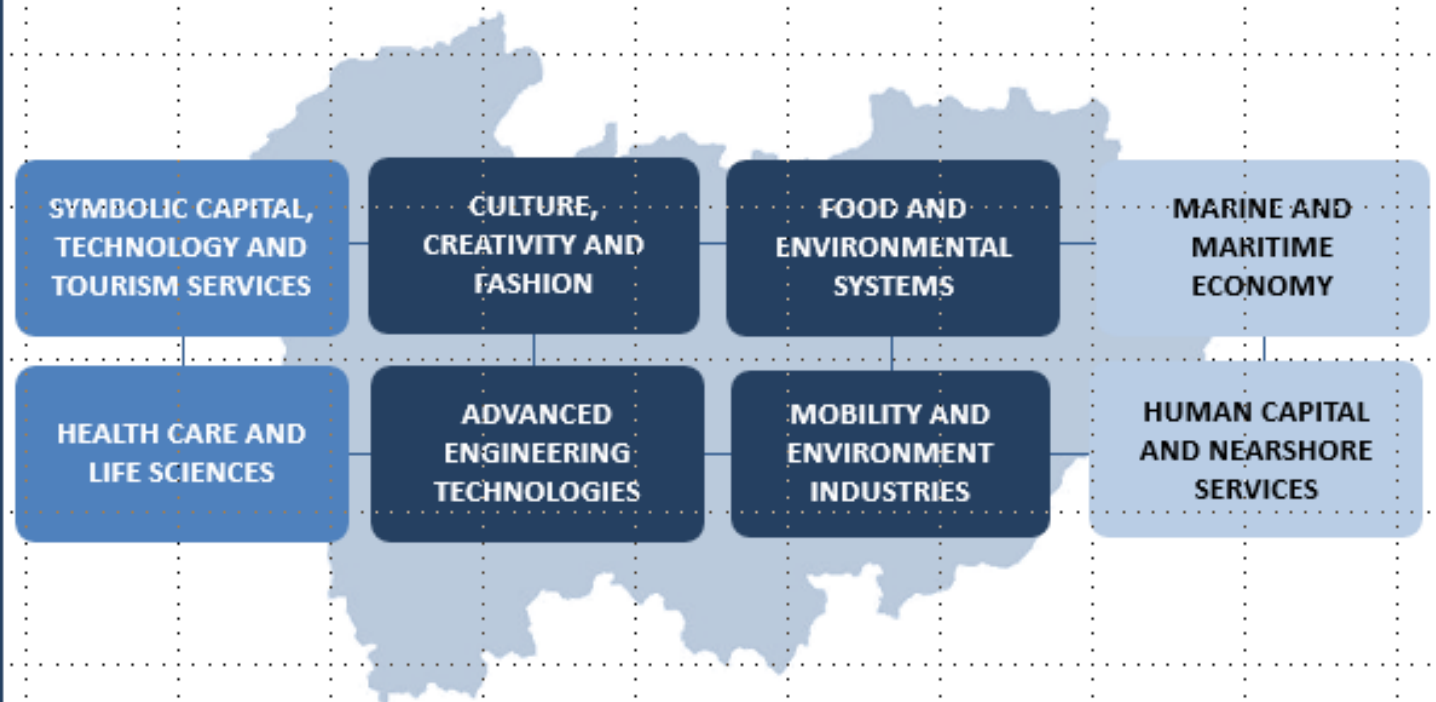
NORTE  
2020





# Smart Specialization Strategy

## *Priority Domains*



## University-Regional partnerships for Smart Specialization

Northern Portugal  
University Consortium

[UNorte.pt](http://UNorte.pt)

- **University of Minho (UMinho)**  
19 000 students
- **University of Porto (UPorto)**  
31 000 students
- **University of Trás-os-Montes e Alto Douro (UTAD)**  
8 000 students







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autonomy

diversity

## key concepts

Openness

- Open access / Open innovation / Open education

International / partnership

Coupling education and research

Creativity

Ethics