A comprehensive University whose genesis dates back to the XVIII century, born in a historical old City, Capital of the most industrialised Region of Portugal – The North Region

An University nationally at the top of all quality indicators, in all main interrelated areas of its mission:

- Education
- Research
- Third Mission of valorisation of knowledge

An university at the top of international cooperation in ERASMUS programmes for mobility of students, faculty and staff
But Equally,

- An University fully committed to Society in Social Dimension and Social Responsibility
- An University fully committed to promoting Culture and Sports

In All,

- An University consistently ranked between the 50-150 best universities in Europe, globally and in field specific evaluations
THE OLDEST WESTERN COUNTRY OF THE EUROPEAN CONTINENT...
AND THE OLDEST IN STABILITY OF BOUNDARIES

- PORTO – PORTUGAL

NORTH REGION OF PORTUGAL

- 3,7 million people
- 3 Universities + several Polytechnics
  - ≈ 124,000 students
- The most industrialized region of Portugal
- 1/3 of Portuguese GDP
- Strategic location
### Strategic Location

<table>
<thead>
<tr>
<th>Region</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northwest of Iberia</td>
<td>9 Million</td>
</tr>
<tr>
<td>Portugal</td>
<td>10 Million</td>
</tr>
<tr>
<td>Iberia</td>
<td>50 Million</td>
</tr>
<tr>
<td>Europe</td>
<td>500 Million</td>
</tr>
<tr>
<td>Portuguese Spoken Countries</td>
<td>250 Million</td>
</tr>
</tbody>
</table>

### Competitive Infrastructures

- **Airport Francisco Sá Carneiro | Porto**
  - Excellent facilities
  - ≈ 6 million passengers / year
  - ≈ 80 destinations

- **Port of Leixões**
  - ≈ 15 million tons/year
  - 25% of external Portuguese trade
  - New cruise terminal

A dense network of motorways, covering all the territory
Porto: The Capital of the North Region of Portugal

- Figures and Facts
  - 16 Municipalities
  - ~1.700.000 inhabitants

- Porto brands - assets and attractions
  - Industry and trade
  - University of Porto
  - Architecture - 2 Pritzker award winners
  - History and Culture
    - World Heritage Site
    - The Bridges of Porto,

- Excellent internal mobility - the light Metro System
UNIVERSITY OF PORTO
GENERAL OVERVIEW

1762 - Nautical Class
1769 - Sketching and Drawing Class
1825 - Royal Medical School
1837 - The Polytechnic Academy - the teaching of engineering in Portugal started in this building, in 1837
1911 - The University - its Rectorate was installed here

An old Comprehensive University in a historical ancient City
14 Faculties
13 Interface Institutes, of which U.Porto is the main partner
1 Associated Business School – association between the University and 33 major companies

Faculty of Architecture
Faculty of Fine Arts
Faculty of Sciences
Faculty of Nutrition and Food Sciences
Faculty of Sport
Faculty of Law
Faculty of Economics
Faculty of Engineering
Faculty of Pharmacy
Faculty of Arts
Faculty of Medicine
Faculty of Dental Medicine
Faculty of Psychology and Education Sciences
Institute of Biomedical Sciences Abel Salazar
CIIMAR - Centre of Marine and Environmental Research
ICETA - Institute for Agrarian and Agri-Food Science and Technology
INEGI - Institute of Mechanical Engineering and Industrial Management
INESC-TEC - Institute of Information Technologies, Telecommunications and Electronics
I3S - Institute for Innovation and Health Research
REQUIMTE - Chemistry and Technology Network

The Second Largest Portuguese University

30,066 Students (2014/2015)
2,291 Teaching staff and researchers (Dec. 31st 2015)
1,750 Full Time Equivalent
87% Teaching staff and researchers (FTE) with PhD
1,563 Technical and Administrative staff
270 M€ Annual consolidated budget
BOLOGNA STRUCTURE

<table>
<thead>
<tr>
<th>3rd Cycle – PhD</th>
<th>180/240 ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd Cycle</td>
<td>Master</td>
</tr>
<tr>
<td>120 ECTS</td>
<td></td>
</tr>
<tr>
<td>1st Cycle</td>
<td>Bachelor</td>
</tr>
<tr>
<td>180/240 ECTS</td>
<td></td>
</tr>
<tr>
<td>1st + 2nd Cycle</td>
<td>Integrated Master</td>
</tr>
<tr>
<td>300/360 ECTS</td>
<td></td>
</tr>
</tbody>
</table>
**663 TRAINING PROGRAMMES (2014/15)**

- 1st Cycle / Bachelor courses: 35
- 2nd Cycle / Master courses: 141
- 3rd Cycle / PhD courses: 93
- Integrated Master courses: 18
- LifeLong Learning Courses: 376

**30.066 Students, 11% of which are international (2014/15)**

- 1st Cycle / Bachelor Students: 8,713
- Integrated Master Students: 12,544
- 2nd Cycle / Master Students: 5,573
- 3rd Cycle / PhD Students: 3,236
The most sought-after University by Portuguese students (2015/2016)

✓ Just about 2 applicants in 1st choice for each of the 4160 vacancies for 1st cycle and integrated master programmes

Buzzwords –

- Student Centred;
- Fundamentals should represent the core; But...
- Development of attitude, skills and competences valued by Society - Innovation and entrepreneurship;
- Job related skills - Teamwork, Communication, Leadership;
- Blended learning; flexible paths

The IT evolution, the political changes of 1989, the increase of expectancy of life

- The 4th Revolution – Industrial, Economical, Social, Global
The IT revolution in Higher Education - Education without boundaries and without walls

- Tools for collaborative learning and study
- MOOCs - Massive Open Online Courses – Coursera, edX, MIRIADA X...
  - Indeed instruments and platforms for education without boundaries – a political issue and a business

Some Teaching Staff have no digital competency... and ‘no time’ to revisit methods and prepare new dossiers

- Significant investment required in pedagogical support to Teaching Staff
- U.Porto has in place a set of initiatives for discussing and promoting new methods of teaching and learning

---

Millennials' Most Valued Work Benefits = 1) Training & Development 2) Flexible Hours 3) Cash Bonuses

**Which Three Benefits Would You Most Value From an Employer?**

- Training and Development: 22%
- Flexible Working Hours: 19%
- Cash Bonuses: 14%
- Free Private Healthcare: 8%
- Pension Scheme or Other Retirement Funding: 6%
- Greater Vacation Allowance: 6%
- Financial Assistance with Housing: 5%
- Company Car: 4%
- Assistance in Clearing Debts Incurred While Studying: 3%
- Maternity / Paternity Benefits: 3%
- Subsidized Travel Costs: 2%
- Free Child Care: 2%
- Access to Low Interest Loans / Borrowing Options: 2%
- Time Off to Do Community / Charity Work: 1%
- I’d Prefer No Benefits and Higher Wages: 4%

**MILLENIALS value the offer of training by Employers**

Corporate MOOCS offer flexible Life Long Learning

Mobile, on-demand
Scalable and collaborative
Flexible, easy to use
Cost effective
Rich, multimedia experience
Skill-based, practical and engaging

CORPORATE MOOCS

Promote employee engagement
Enable anyone, anywhere to create content
Allow training to be tailored to organizations
Enhance relevance of learning content

Source:
Dennis Yang & Dan Chou, Revolutionizing Corporate Workplace Training with MOOCs, 2014 (http://goo.gl/ImqL9a)
35 R&D Units recognised by the National Foundation for Science and Technology as “Exceptional” (4), “Excellent” (8) or “Very Good” (23)

A top producer of Science in Portugal

15 746 Papers indexed in the ISI Web of Science (2009-2013)
23.1% of the papers produced in Portugal
12% Average annual growth rate since 2009
RESEARCH - GOOD PROSPECTS FOR 2016

- 460 New R&D funding agreements (between 2013-2015)
- 613 R&D projects in progress
- Target for funding through Horizon2020 and Portugal2020 in 2016 - 100 M€... on its way

SOME OUTSTANDING PEOPLE
2 PRITZKER Prize Winners, ARCHITECTURE’S NOBEL
Two architects from the School of Porto, and invited professors of the University of Porto

Eduardo Souto Moura
1992

Álvaro Siza Vieira
2011

Manuel Sobrinho Simões
2015

The most influential pathologist, 2015, by ‘The Pathologist’ Journal
Professor of the Faculty of Medicine, University of Porto

https://thepathologist.com/the-power-list-2015/
Maria João Ramos, 2014

Honorary Doctor in Natural Science by Stockholm University, 2014
Professor at the Faculty of Sciences, University of Porto
Currently Vice Rector for Research

**ERCs - EUROPEAN RESEARCH COUNCIL GRANT HOLDERS**

Nuno Santos
CAUP
Starting Grant 2009

Helder Maiato
IBMC - UP
Starting Grant 2010

Adélio Mendes
FEUP
Advanced Grant 2012

Manuel Alves
FEUP
Starting Grant 2012

Reto Gassmann
IBMC - UP
Starting Grant 2013

Ana Xavier de Carvalho
IBMC - UP
Starting Grant 2014

Nuno Alves
IBMC - UP
Starting Grant 2014

José Bessa
i3S - UP
Starting Grant 2015
UNIVERSITY OF PORTO
THE THIRD MISSION
CHALLENGES AND STRATEGY

Challenges

To create employment opportunities for the students

To create value based on knowledge
Our Strategy

to foster the creation of technology based companies and creative business and attract innovation centers

Our Strategy

supporting an effective knowledge and technology transfer between academia and the market;
The Third Mission of the University

VALUE CHAIN

Teaching  Research  Knowledge Transfer  New Ventures  Training  Incubation

Valorisation of Knowledge

Teaching  Research  Knowledge Transfer  New Ventures  Training  Incubation

Valorisation of Knowledge

UPTEC
UPin Technologies
UPin Ventures
UPin Corporate

2015
180 active patents
24 active licensed technologies
6 editions
620 participants
11 spin-offs

26 sessions
782 researchers
Science and Technology Park

INNOVATION - KNOWLEDGE VALORISATION

Science and Technology Park - UPTEC

Technology Center
Creative Industries Center
Sea Center
Biotechnology Center

30,000 square meters
## Business Projects (31 Dec 2015)

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>167 Projects</td>
<td></td>
</tr>
<tr>
<td>Em Pre-Incubation</td>
<td>30</td>
</tr>
<tr>
<td>Start-ups</td>
<td>88</td>
</tr>
<tr>
<td>Anchor Companies</td>
<td>8</td>
</tr>
<tr>
<td>Innovation Centres</td>
<td>31</td>
</tr>
<tr>
<td>Graduates in the market</td>
<td>36</td>
</tr>
<tr>
<td>All, responsible for / Involving</td>
<td>1800+</td>
</tr>
<tr>
<td>Highly qualified jobs</td>
<td></td>
</tr>
<tr>
<td>Hundreds of training projects</td>
<td></td>
</tr>
<tr>
<td>Contribution to the GDP</td>
<td>60+ M€/y</td>
</tr>
</tbody>
</table>

### Start-ups

- Odiso Technologies
- Kinematix
- Veniam
- OSTV
- Sphere
- Microsoft
- Vodafone

### Innovation Centres

- Efacec
- Fraunhofer
- CIN
- Portonovo
Award for Smart Growth

UPTEC Award Winner 2013

UPTEC as a successful European Case Study

The European Commission presents UPTEC as a case of success in applying European Funds to promote employment and growth

UPTEC Award Winner 2015

November 2014
BIN@ - BUSINESS & INNOVATION NETWORK

CONNECT | SHARE | GROW
businessandinnovation.net

Founded by the University of Porto, together with the University of S. Paulo and the University of Sheffield

BIN@ is an international network of engaged academic and industry partners, supporting the creation of a sustainable forum for sharing good practice and opportunities in Innovation.

Open innovation
Added value
Real impact

+1730 International Delegates
“When I think about Porto, I think about Innovation...”

Violeta Bulc, EU Commissioner for Transport, addressing the public at BIN@Porto, 2/11/2015
3,458 international students (2014/15)
(11% of the total) - from 115 countries

International Cooperation

- 1,867 students in mobility programmes
- 174 1st cycle/Bachelor students
- 179 integrated master students
- 588 2nd cycle/Master students
- 650 3rd cycle/PhD students

124 nationalities
Overview
U.Porto Incoming Mobility Students (2014/15)

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country</th>
<th>Faculty/Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>Brazil</td>
<td>Faculty of Arts</td>
</tr>
<tr>
<td>2nd</td>
<td>Spain</td>
<td>Faculty of Engineering</td>
</tr>
<tr>
<td>3rd</td>
<td>Italy</td>
<td>Faculty of Economics</td>
</tr>
<tr>
<td>4th</td>
<td>Poland</td>
<td>Faculty of Fine Arts</td>
</tr>
<tr>
<td>5th</td>
<td>Germany</td>
<td>Faculty of Psychology and Education Sciences</td>
</tr>
</tbody>
</table>

INternational Cooperation
THE U.PORTO IN THE ERASMUS MUNDUS PROGRAMME (ACTION 2) - 2009-2014

1st Project Coordinated with Brazil, 2008

48 Consortia

2014 Rankings: U.Porto is a leading Institution in Europe:
- 3rd European University with more coordinated projects (9)
- 5th European University with higher participation in Partnerships (39)
THE U.PORTO IN THE ERASMUS MUNDUS PROGRAMME (ACTION 2) - 2009-2014

9 Coordinations
39 Partnerships

5 Continents
142 Countries
792 Institutions involved
7.612 Mobility flows
151 Million euros in total
36 Million euros managed by U.Porto

Certificate for International Student Satisfaction

Awarded to

University of Porto

For Excellent International Student Satisfaction based on 38 student reviews on the StudyPortals website StudyXX.eu
THE U.PORTO IN THE ERASMUS+ PROGRAMME 2015-2020

4 Continents
60 Countries
140 Institutions involved
1148 Awarded Scholarships (225 for non EU Countries)
13 Million euros in total
5 Million euros managed by U.Porto

INTERNATIONAL COOPERATION - THE FUTURE, TODAY

A concerted effort to expand International Cooperation

University networks with Latin America - through Universia Network

University networks with Asia - ASEF, The ASIA-Europe Foundation, a non-profit intergovernmental organization funded by the 53 members of the Asia-Europe Meeting (ASEM) Process.

University networks with Asia - ASIA UNINET - European and South-East Asian universities with the goal of promoting the continuous internationalisation of education and research. Consists today of more than 70 universities from 16 countries.
U.Porto Education Fair presenting to the Public works from Research Labs

- 15,000+ Participants in the 14th Edition (2016)
- 96 Schools involved
- 115 School Visits
- 6,470 Visitors integrated in those School Visits

http://mostra.up.pt
COMMITMENT TO SOCIETY

Junior University 2015 - June - July

5833 Students in U.Porto Jr
*1203 with accommodation

Participants aged between 11 and 17
*International Participants from more than 15 Countries: Brazil, Spain, The Netherlands, France, Mozambique, Angola, S. Tome and Principe, Belgium, East Timor, USA, Italy...

39 Partnerships established with Municipalities

http://universidadejunior.up.pt

COMMITMENT TO SOCIETY - PROMOTING EMPLOYABILITY

FINDE.UP Initiative - UNIVERSITY INTERNATIONAL JOB FAIR
"Opening doors to your future"

Universidade do Porto
Universidade de Trás-os-Montes e Alto Douro
Universidade de Vigo

1st Job Fair - Porto, 3-4 November 2015

80+ Business Companies
Cooperation with 30 Municipalities
3000+ participants

1st Virtual JOB Fair - 30 May - 3 June 2016 *

2 International JOB Fairs

2 - 3 November, 2016, Porto
7 - 8 November, 2016, Vigo, Spain

* In cooperation with EURES Network
COMMITMENT TO SOCIETY - EVENTS

Nr. of Participants in Scientific, Cultural and Artistic Activities organized by U.Porto

- 2009: 30,000
- 2010: 35,000
- 2011: 59,073
- 2012: 51,820
- 2013: 60,856
- 2014: 70,896

COMMITMENT TO SOCIETY - VOLUNTEERING

Nr. of Participants in Volunteering Projects

- 2010: 707
- 2011: 1,011
- 2012: 1,341
- 2013: 1,574
- 2014: 1,773
- 2015: 1,965
SPORTS

Woman FootBall Team - European FootBall 7-a-side Champion (2015)
The FISU Executive Committee nominated the 2014 World University Beach Volleyball Championship for the “Best WUC 2014” award.

The FISU Executive Committee elected the 2014 World University Beach Volleyball Championship as the “Best WUC 2014”.
### QS World University Rankings 2015/2016

<table>
<thead>
<tr>
<th>Region</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portugal</td>
<td>1</td>
</tr>
<tr>
<td>Europe</td>
<td>138</td>
</tr>
<tr>
<td>Ibero-America</td>
<td>17</td>
</tr>
<tr>
<td>World</td>
<td>308</td>
</tr>
</tbody>
</table>

### ARWU (Shanghai Jiao Tong University) 2015

<table>
<thead>
<tr>
<th>Region</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portugal</td>
<td>2</td>
</tr>
<tr>
<td>Europe</td>
<td>123-158</td>
</tr>
<tr>
<td>Ibero-America</td>
<td>10-16</td>
</tr>
<tr>
<td>World</td>
<td>301-400</td>
</tr>
</tbody>
</table>

### SCImago Institutions Ranking 2015

<table>
<thead>
<tr>
<th>Region</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portugal</td>
<td>2</td>
</tr>
<tr>
<td>Europe</td>
<td>55</td>
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<tr>
<td>Ibero-America</td>
<td>8</td>
</tr>
<tr>
<td>World</td>
<td>169</td>
</tr>
</tbody>
</table>

### Webometrics 2015

<table>
<thead>
<tr>
<th>Region</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portugal</td>
<td>1</td>
</tr>
<tr>
<td>Europe</td>
<td>38</td>
</tr>
<tr>
<td>Ibero-America</td>
<td>5</td>
</tr>
<tr>
<td>World</td>
<td>137</td>
</tr>
</tbody>
</table>
### Rankings by Field - Engineering

<table>
<thead>
<tr>
<th>QS Ranking</th>
<th>NTU Ranking</th>
<th>ARWU Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scope 2015</strong></td>
<td><strong>Scope 2015</strong></td>
<td><strong>Scope 2015</strong></td>
</tr>
<tr>
<td>Portugal</td>
<td>Europe</td>
<td>Ibero-America</td>
</tr>
<tr>
<td>1</td>
<td>55</td>
<td>9</td>
</tr>
<tr>
<td>Europe</td>
<td>Portugal</td>
<td>Europe</td>
</tr>
<tr>
<td>55</td>
<td>2</td>
<td>36</td>
</tr>
<tr>
<td>Ibero-America</td>
<td>World</td>
<td>Ibero-America</td>
</tr>
<tr>
<td>9</td>
<td>5</td>
<td>8</td>
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<tr>
<td>World</td>
<td></td>
<td></td>
</tr>
<tr>
<td>168</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### US News Ranking

<table>
<thead>
<tr>
<th>Scope</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portugal</td>
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</tr>
<tr>
<td>Europe</td>
<td>21</td>
</tr>
<tr>
<td>Ibero-America</td>
<td>3</td>
</tr>
<tr>
<td>World</td>
<td>88</td>
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</tbody>
</table>

### URAP Ranking

<table>
<thead>
<tr>
<th>Scope</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portugal</td>
<td>1</td>
</tr>
<tr>
<td>Europe</td>
<td>16</td>
</tr>
<tr>
<td>Ibero-America</td>
<td>2</td>
</tr>
<tr>
<td>World</td>
<td>78</td>
</tr>
</tbody>
</table>

### Rankings - Engineering by Subject

#### QS Ranking 2015

<table>
<thead>
<tr>
<th>Subject</th>
<th>Portugal</th>
<th>Europe</th>
<th>Ibero-America</th>
<th>World</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Engineering</td>
<td>1</td>
<td>16-30</td>
<td>3-5</td>
<td>51-100</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>1</td>
<td>26-41</td>
<td>3-6</td>
<td>101-150</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>1</td>
<td>48-64</td>
<td>6-9</td>
<td>151-200</td>
</tr>
</tbody>
</table>

#### NTU Ranking 2015

<table>
<thead>
<tr>
<th>Subject</th>
<th>Portugal</th>
<th>Europe</th>
<th>Ibero-America</th>
<th>World</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Engineering</td>
<td>2</td>
<td>14</td>
<td>3</td>
<td>59</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>1</td>
<td>15</td>
<td>3</td>
<td>76</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>2</td>
<td>25</td>
<td>2</td>
<td>80</td>
</tr>
</tbody>
</table>
THINKING OF EUNIS 2018 - PORTO, A HISTORICAL CITY

PORTO

• A historical City, with a wide range of cultural sites, equipment and events
• City Centre - UNESCO world heritage site

THE U.PORTO MUSEUM - 12 MUSEUM DOMAINS

Scale Model of the Natural History and Science Museum
(Rectorate building, to open by the European Congress ECSITE 2017 in Porto)
The Academic Classical Orchestra

The Classical Orchestra of the Faculty of Engineering performs on behalf of the University

Contemporary Art Serralves Museum, Arq. Álvaro Siza, 2005
A modern ‘World Heritage Site’

Avenue of the Allies - Porto’s ‘Visiting Room’, seen from the City Hall
So, come to Porto: City of Innovation