

Accreditations & Rankings

The experience of Técnico Lisboa

Organization

- Introduction
- Accreditation
- Rankings
- Bringing two worlds together
- Conclusions

Introduction

This presentation aims at:

- providing an overall picture of the institution
- learning about internal models and their contribution to the quest for quality
- demonstrating how Accreditation and Rankings can be brought together internally

Introduction

Facts and figures

<u>1911</u> Foundation as Instituto Superior Técnico	<u>2014</u> Merger with the University of Lisbon; adopts the name Técnico Lisboa	<u>11 412</u> students, among which 42% get a job before graduation
<u>86%</u> of grads get a job within 6 months after graduation	<u>77%</u> of grads employed in their field of study	<u>10646</u> publications, 74 highly cited in field between 2013-2017
<u>All programmes</u> accredited by the Portuguese Accreditation Agency (A3ES)	<u>6th E</u> , <u>28th World</u> , Civil E. <u>10th E</u> , <u>40th World</u> , Mech E. <u>15th E</u> , <u>52nd World</u> , Math in NTU Ranking	<u>53</u> spin-off companies created since 2009

Table 1: Facts and Figures

Source: <http://ep.tecnico.ulisboa.pt/cienciometria/>

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Portuguese Accreditation System

LEGAL REQUIREMENTS

All HEIs must

- adopt quality assurance policies and procedures
- develop a quality culture
- promote and implement a strategy for continuous improvement of quality

The Portuguese Accreditation System

PRIORITIES

Quality Assurance should

- extend the scope of evaluation
- clarify the consequences of evaluation
- internationalize the evaluation process
- require tangible results

SIQuIST (IST Integrated Quality Management System)

The SIQuIST aims at:

- constant improvement of quality within the institution
- evaluation of the level of accomplishment of the mission of Técnico Lisboa

through

Criteria and indicators

SIQuIST

(IST Integrated Quality Management System)

The SIQuIST consists of two components:

- Self evaluation
- External evaluation

SIQuIST Accredited in 2012

- ✓ **Cyclical review of institutional results**
- ✓ **Overall evaluation of the mission and strategic objectives defined by Técnico Lisboa**

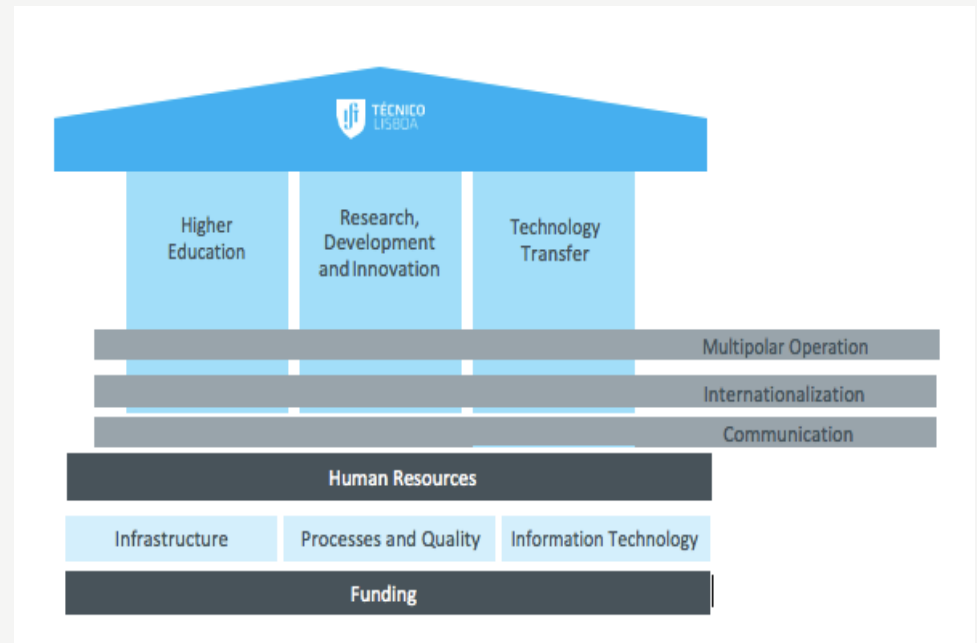
SIQuIST

(IST Integrated Quality Management System)

The SIQuIST comprises:

- Progress and
- Quality indicators

that apply to all 11 strategic areas defined in the Strategic Plan of Técnico Lisboa



Challenges of SIQuIST

The SIQuIST should

- ensure updated information
- make quality enhancement processes have tangible effects over time

Advantages of SIQuIST

The systems contributes to

- Constant monitoring/evaluation
- Transparency and communication
- Accreditation (external process)

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The importance of rankings to Técnico Lisboa

- Are part of its Strategic Options:
 - Academic Rankings Observatory
- Critical tool to help:
 - Create a world class environment
 - Attract faculty, researchers and students from all over the world
 - Make Técnico a reference institution nationally and internationally
 - Drive institutional policy towards quality

The Approaches of Técnico Lisboa to Rankings

- Monitoring of key university rankings, in particular their Sector Rankings in ST&E
- The Concept of 'Reverse Engineering':
 - reports by Ranking
 - analysis of indicators and scores
 - hypothetical scenarios against peers
 - recommendations to the governing bodies

Técnico Lisboa Model: An example

	ACADEMIC REPUTATION	EMPLOYER REPUTATION	CITATIONS PER PAPER	H-INDEX
RANK 106 UNIVERSITY OF LISBON	69,7	63,6	78,2	80,2
RANK 10 RWTH AACHEN UNIV	86,9	82,8	82,0	76,6
RANK 25 EINDHOVEN UNIVERSITY OF TECHNOLOGY	82,3	64,8	85,0	79,0

Table 2: Scores by indicator obtained by ULisboa and those of the institutions ranked 10 and 25 in Europe

Source: QS Ranking, latest update: 2017

Técnico Lisboa Model: Recommendations

Indicator	Recommendation	Stakeholders
Academic Reputation	Improve institutional communication	Governing bodies
	Adopt measures to increase reputation	Faculty; researchers
	Adopt a single and normalized signature	
Employer Reputation	Work closely with companies/stakeholders/ to get them involved	Former faculty, researchers and alumni with business activity
	Adopt measures to increase reputation	

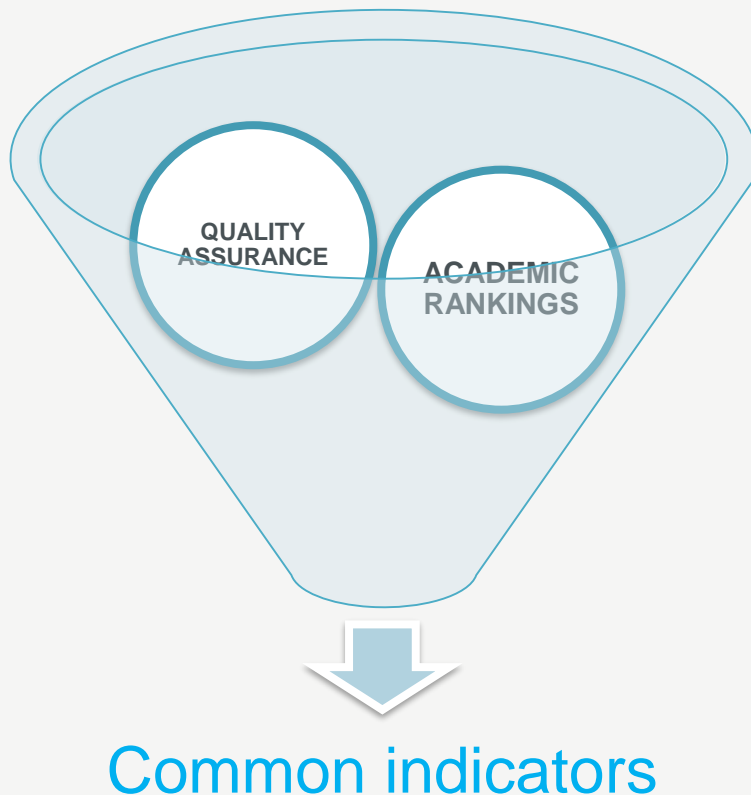
Table 3: Recommendations

Source: QS Report, 2017, published by Técnico Lisboa, Academic Rankings Observatory

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Bringing two worlds together



- definition of lines of action
 - improved standing in rankings
 - continued focus on improving quality
- while*
- optimizing resources and
 - lining up institutions' strategies

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Conclusions: Difficulties

- Different objectives of Quality Assurance and Academic Rankings
- Academic Communities vs Institutional autonomy

Conclusions: *Challenges*

- Rankings as a complementary tool for governments, accreditation authorities and independent review agencies
- Involvement of entire institution
- Long process of communication to create consolidated management models

Conclusions: *Evidence*

- Quality Assurance systems can learn from Academic Ranking indicators
- Definition of objective targets based on “Reverse Engineering” through the analysis of indicators in rankings

THANK YOU!

<http://aepq.tecnico.ulisboa.pt/en/>

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