INSTITUTO SUPERIOR TÉCNICO

Alameda Campus

INSTITUTO SUPERIOR TÉCNICO

Lisbon-Portugal

Taguspark Campus

"A School of the 21ST Century "

Prof. Carlos Matos Ferreira
President of IST

Summary

- History
- IST Campuses
- Mission
- Internal Organisation
- Education
- Facts and Figures
- Research & Development
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- Internationalisation

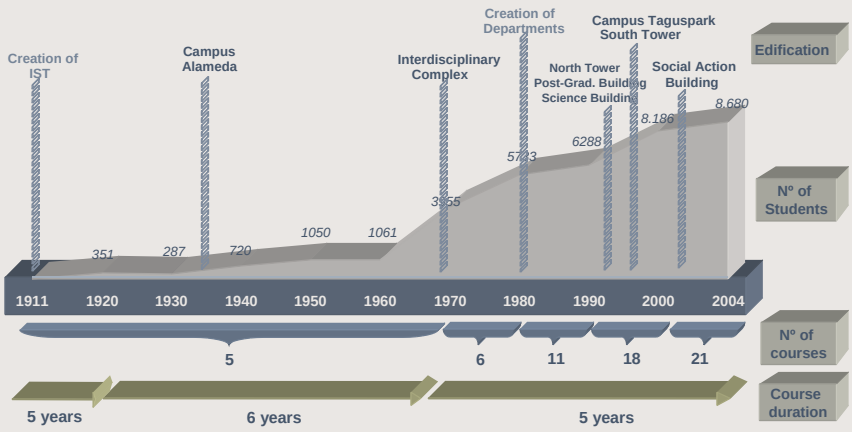
IST HISTORY

*The **INSTITUTO SUPERIOR TÉCNICO** was established with the objective of providing the country with Engineers with know-how and the necessary skills to succeed in their professional lives, while simultaneously contributing to the economic development of the country.*

Alfredo Bensaúde
First Director of IST, 1911

IST HISTORY

CHRONOLOGY



The IST Campuses

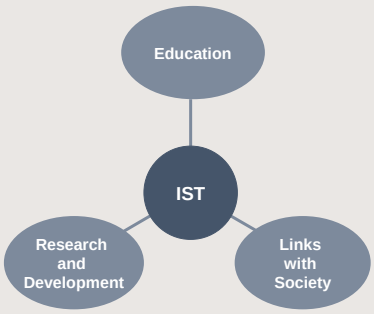
Alameda Campus

Taguspark Campus

84 338 m2	Campus Total Area	116 000 m2
9 941 m2	Classrooms and Lecture Halls	1 526 m2
4 050 m2	Study Rooms and Libraries	1 346 m2
24 475 m2	Labs, Workshops and Computer Rooms	1 315 m2
24 360 m2	Offices, Secretariats, Services and Meeting Rooms	2 467 m2

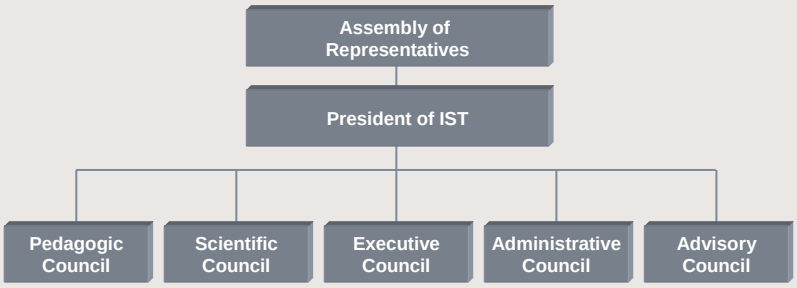
Mission

The **MISSION OF IST** is to contribute to the development of society by providing quality higher education in the areas of Engineering, Science and Technology, at undergraduate and postgraduate levels as well as life-long learning, and by carrying out Research and Development activities in accordance with the highest international standards.



Internal Organisation

Organogram



Internal Organisation

Academic Units

Departments

- Civil Engineering and Architecture
- Mechanical Engineering
- Electrical and Computer Engineering
- Chemical Engineering
- Mining Engineering and Earth Resources
- Materials Engineering
- Physics
- Mathematics
- Information Systems Engineering
- Engineering and Management

Autonomous Section

- Naval Architecture and Marine Engineering

Education

39 Other Postgraduate Courses

21 Undergraduate / Graduate Programmes

31 Master's Programmes

22 Doctoral (PhD) Programmes

Education

Undergraduate Programmes

7719 students

Alameda Campus

- Aerospace Engineering
- Applied Mathematics and Computation
- Architecture
- Biological Engineering
- Biomedical Engineering
- Civil Engineering
- Chemical Engineering
- Chemistry
- Electrical and Computer Engineering
- Environmental Engineering
- Information Systems and Computer Engineering
- Materials Engineering
- Mechanical Engineering
- Mining and Geological Engineering
- Naval Architecture and Marine Engineering
- Physics Engineering
- Territorial Engineering

961 students

Taguspark Campus

- Electronics Engineering
- Industrial Engineering and Management
- Information Systems and Computer Engineering
- Information and Communication Networks Engineering

Education

39 Other Postgraduate Courses

21 Undergraduate / Graduate Programmes

31 Master's Programmes

22 Doctoral (PhD) Programmes

Education

Master's (MSc) Programmes

- Aerospace Engineering
- Biotechnology (Biochemical Engineering)
- Chemical Engineering (Applied Chemistry)
- Construction
- Earth Resources
- Ecology, Management and Modelling of Marine Resources (inter-institutional)
- Electrical and Computer Engineering
- Design Engineering
- Engineering Policy and Management of Technology
- Geographical Information Systems
- Geotechnics for Civil Engineering
- Hydraulics and Water Resources
- Information Systems and Computer Engineering
- Logistics (inter-institutional)
- Materials Engineering (inter-institutional)
- Materials Science and Engineering
- Mathematics and Applications
- Mechanical Engineering
- Naval Architecture and Marine Engineering
- Operational Research and Systems Engineering
- Physics Engineering
- Physics
- Rehabilitation and Conservation of the Built Heritage
- Safety and Health in the Workplace
- Statistics
- Strategic Management and Development of Tourism
- Structural Engineering
- Surface Science and Engineering (inter-institutional)
- Technological Innovation and Industrial Management
- Transportation
- Urban Studies and Territorial Management

Education

Doctoral (PhD) Programmes

- Aerospace Engineering
- Biotechnology
- Chemical Engineering
- Chemistry
- Civil Engineering
- Electrical and Computer Engineering
- Engineering Sciences
- Environment
- Industrial Engineering and Management
- Information Systems and Computer Engineering
- Materials Engineering
- Mathematics
- Mechanical Engineering
- Mining Engineering and Earth Resources
- Naval Architecture and Marine Engineering
- Physics Engineering
- Physics
- Systems Engineering
- Technological Physics Engineering
- Territorial Engineering
- Transportation
- Urban and Regional Planning

Education

Education

IST Position on the Bologna Process

Cycle	Duration	Degree	Obs.
1st	3 years	Bachelor in Engineering Sciences	Scientific-based teaching oriented towards conceptual engineering
2nd	2 years	Master (Engineering Diploma)	
3rd	3 years	Ph. D.	

Specialisation	Specialisation courses of specific scope to complement 1st and 2nd cycle training
Mobility	"Bridging Programmes" for vocational 1st and 2nd cycle students to carry on scientifically oriented programmes

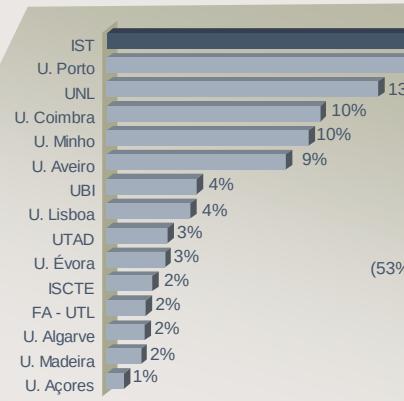
Facts and Figures

Students & Staff

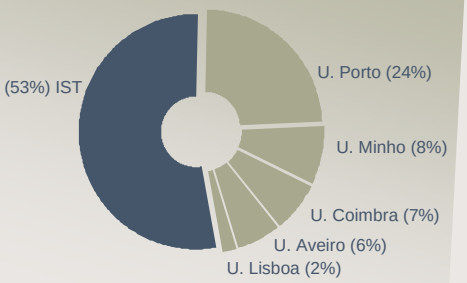
Undergraduate Students	8 680
Master's Students	1 089
Doctorate Students	596
Total Students	10 365
Professors	774
Non-teaching staff	565

Facts and Figures

Percentage of Vacancies

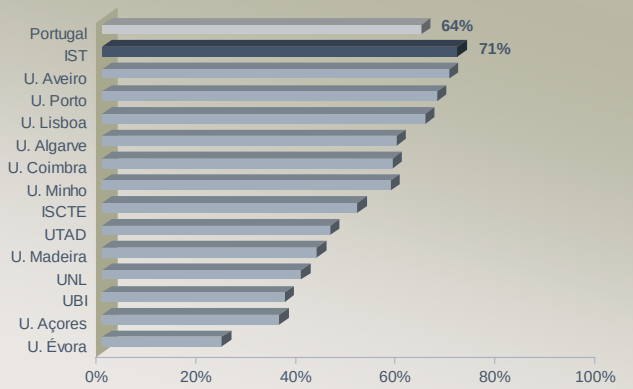


Destination of the 100 Best Students in S&T



Facts and Figures

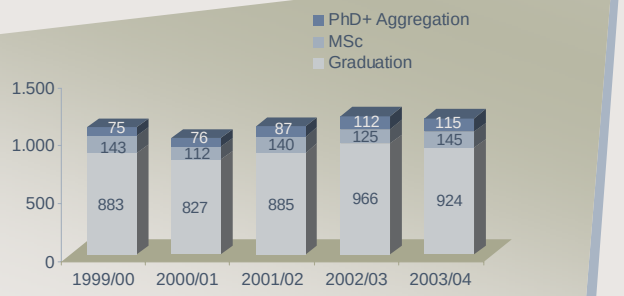
Survival Rate (OECD)



Source: National Observatory for Science and Higher Education (*Ministry for Science, Innovation and Higher Education*)

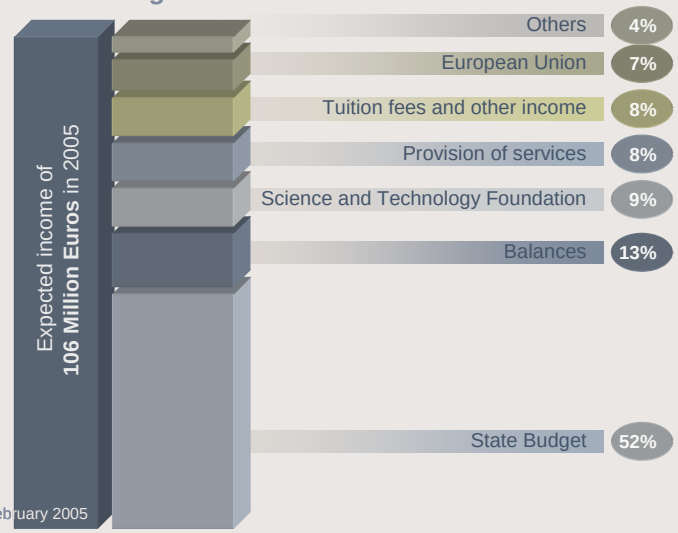
Facts and Figures

Number of Diplomas from IST per Year



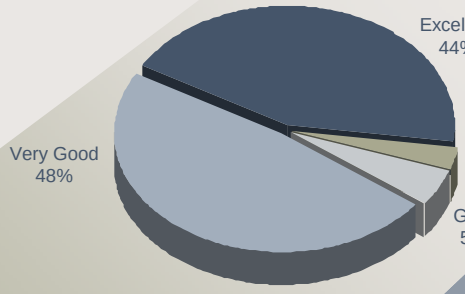
Facts and Figures

Sources of Financing



Research & Development

Distribution of PhD Holders According to the Rate of their Research Units



78% of the research units rated **excellent** or **very good**

Research & Development

R&D Units Rated as Excellent

Mathematics

Centre for Mathematical Analysis, Geometry and Dynamical Systems

Physics

Centre for Physics of Fundamental Interactions (CFIF)
Centre for Plasma Physics (CFP)
Centre for Nuclear Fusion (CFN)

Chemistry

Centre for Structural Chemistry (CQE)
Center for Molecular Chemical Physics (CQFM)

Chemical Engineering and Biotechnology

Institute for Biotechnology and Fine Chemistry

Electrical and Computer Engineering

Institute for Systems and Robotics (ISR)
Institute for Telecommunications (IT)

Mechanical Engineering

Center for Innovation, Technology and Policy Research (IN+)

Research & Development

R&D Units Rated as Very Good

Mathematics

Centre for Logic and Computation
Centre for Mathematics and Applications

Physics

Multidisciplinary Centre for Astrophysics (CENTRA)

Materials Sciences and Engineering

Institute for Science and Engineering of Materials and Surfaces (ICEMS)

Information and Computer Engineering

Institute for Systems and Computer Engineering (INESC-ID) – Lisboa

Mechanical Engineering

Institute for Mechanical Engineering (IDMEC) – Lisboa

Naval Architecture and Marine Engineering

Unit for Naval Engineering and Technology (UETN)

Research & Development

R&D Units Rated as Very Good (cont.)

Civil Engineering

Centre for Hydro-systems Studies (CEHIDRO)
Centre for Urban and Regional Centres (CESUR)
Institute for Structural Engineering, Territory and Construction (ICIST)

Earth and Space Sciences

Centre for Petrology and Geochemistry (CEPGIST)
Centre for Geotechnics (CEGEO)
Centre for Geo-systems (CVRM)

Maritime Sciences

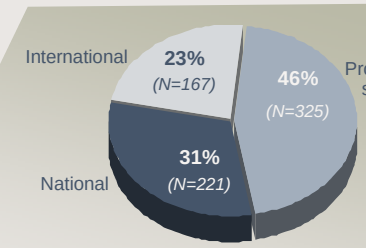
Centre for Environment and Maritime Technologies (MARETEC)

Engineering and Management

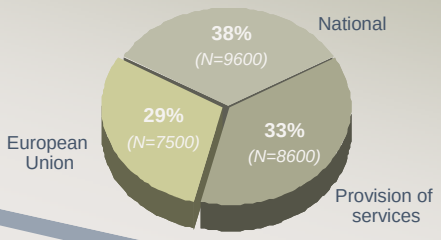
Centre for Management Studies (CEG-IST)

Research & Development

Type of R&D Projects



R&D Projects (Thousands of Euros)



Barcelona, 25th February 2005

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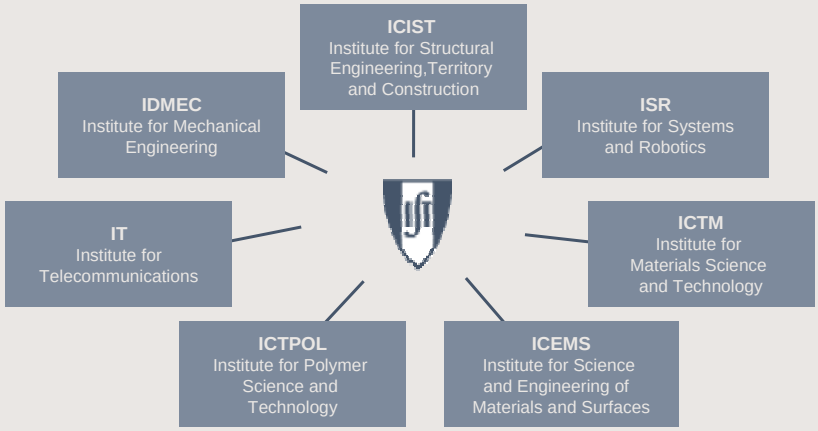
Links with Society

Interface R&D Institutes



Barcelona, 25th February 2005

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Links with Society

S&T Parks	Energy Agencies	Incubation Centres
TAGUSPARK	E-NOVA	CPIN
LISPOLIS	OEINERGE	CINTEC
PTM/A		

Internationalisation

Mobility / Cooperation (2004/2005)

Mobility under SOCRATES/ERASMUS PROGRAMME	
Students Abroad	132
Foreign Students in IST	124
Mobility under ATHENS PROGRAMME	
Students Abroad	40
Cooperation Protocols with universities	
Exchange students/professors	256
Other Cooperation Programmes	
Portuguese Speaking African Countries	190 students enrolled at IST
Latin America & Caribbean	10 students received and 9 sent abroad

Internationalisation

Collaborations with Cluster Universities