CoLab,
Portugal and
University of Texas, Austin

António Câmara

New University of Lisbon

March 2, 2007

"Open your eyes and look within,
are you satisfied with the life you are living?"

Bob Marley, Exodus

In 2007

Portuguese Universities +

- Tremendous progress in the last twenty years
- Scientific research became normal
- More than 15.000 students received high level graduate training
- More than 40.000 students were Erasmus students

Portuguese Universities +

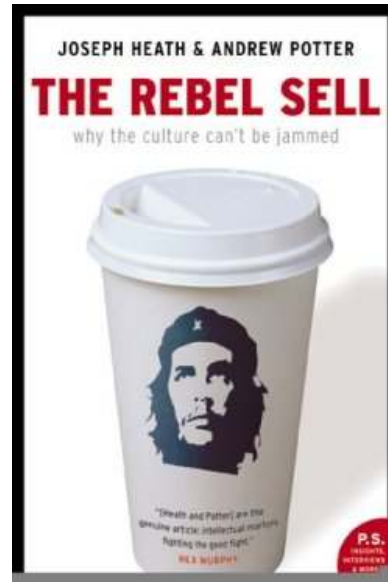Portuguese Universities generated companies that now compete worldwide

Portuguese Universities -

- Faculties are aging
- Brain drain of promising students
- Critical mass still lacking for osmosis based information exchange in several areas
- Anemic creation of knowledge companies
- Support infrastructure lacking for those companies

Portuguese Universities -

Portuguese Universities
are not exciting enough

In 2015

We will be of course celebrating
our win at the World Cup in soccer in 2014

Blueprinting 2015
(source: Luke W)

Deductive
- Reasoning from general principles to particular examples
- If 5+4=9 AND 6+3=9 THEN 5+4=6+3

Inductive
- Observing patterns and using those to make generalizations
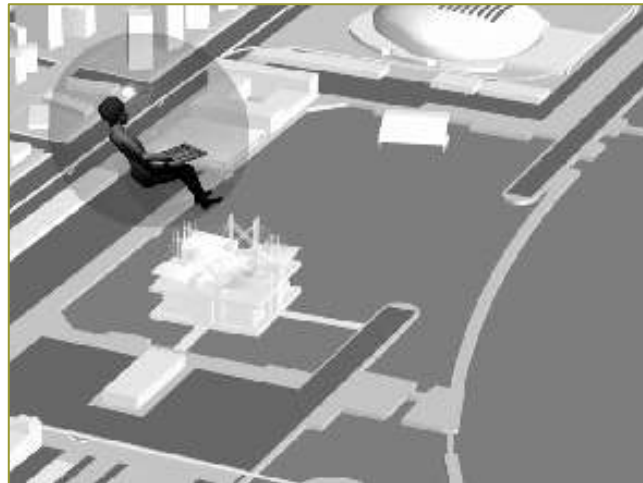- See tire tracks in snow; a car was here

Abductive
- Reasoning based on what might be
- Blueprint for a future state
- Critical to creative process

MOOVIE. PEUGEOT DESIGN COMPETITION WINNER

Blueprinting 2015

Portuguese Universities will be the most exciting places to learn, do research and generate new companies in Europe

CoLab

Portugal-University of Texas, Austin

CoLab

- Interdisciplinary research, education and training
  - Digital Media (Mediaground)
  - Advanced Computing
  - Mathematics

- University Technology Enterprise Network (UTEN)

CoLab

- MediaGround
  - Developing a pioneer new media networked center
  - Masters, PhD and other advanced programs
  - Subjects will include communication, advertising, video-gaming, digital arts and education

CoLab

- **Advanced Computing**
  - Leverage existing PhD Programs
  - Develop research in computational science, computer systems and applications
  - Contribution to Portugal's National Grid Computing initiative

CoLab

- Mathematics
  - Foster student and faculty mobility
  - Promote joint research
  - Optimize resources by creating joint PhD programs

CoLab

- University Technology Enterprise Network
  - Promote technology transfer from the Universities to industry
  - Promote entrepreneurship
  - Developing the support environment for new knowledge based companies

CoLab

- Rejuvenate faculties
- Provide an exciting learning and research environment in both sides of the Atlantic
- Stimulate partnerships between the academia and industry
- Facilitate the creation of new knowledge based companies

CoLab

- CoLab will involve from the Portuguese side
  - Our main Universities
  - World class research centers
  - Major governmental agencies and technological parks
  - Leading companiies

CoLab

- The University of Texas at Austin will be the main partner
- Austin based companies will be also involved
- And hopefully we will learn from Austin itself

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