

IT is not what it used to be. It is far better.

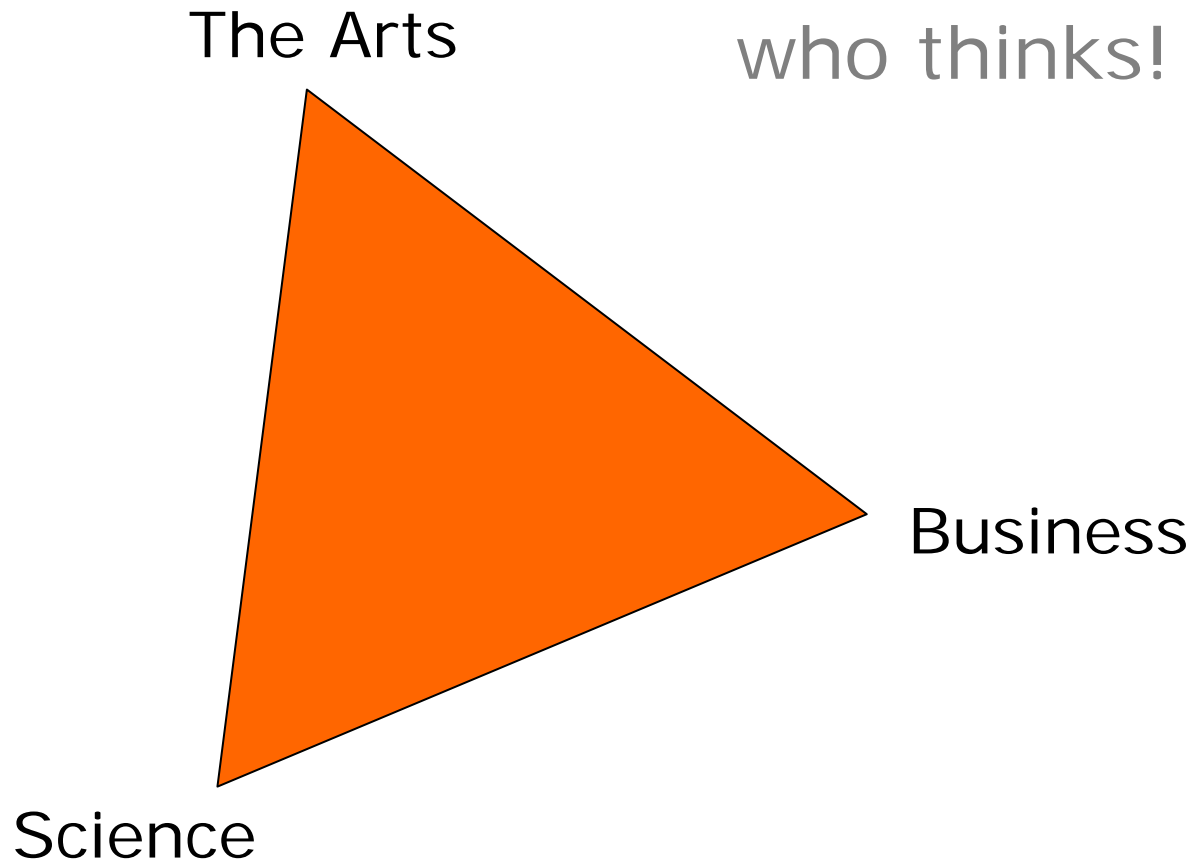
Mads Tofte, October 16, 2006





Teaching: The ITU triangle of IT

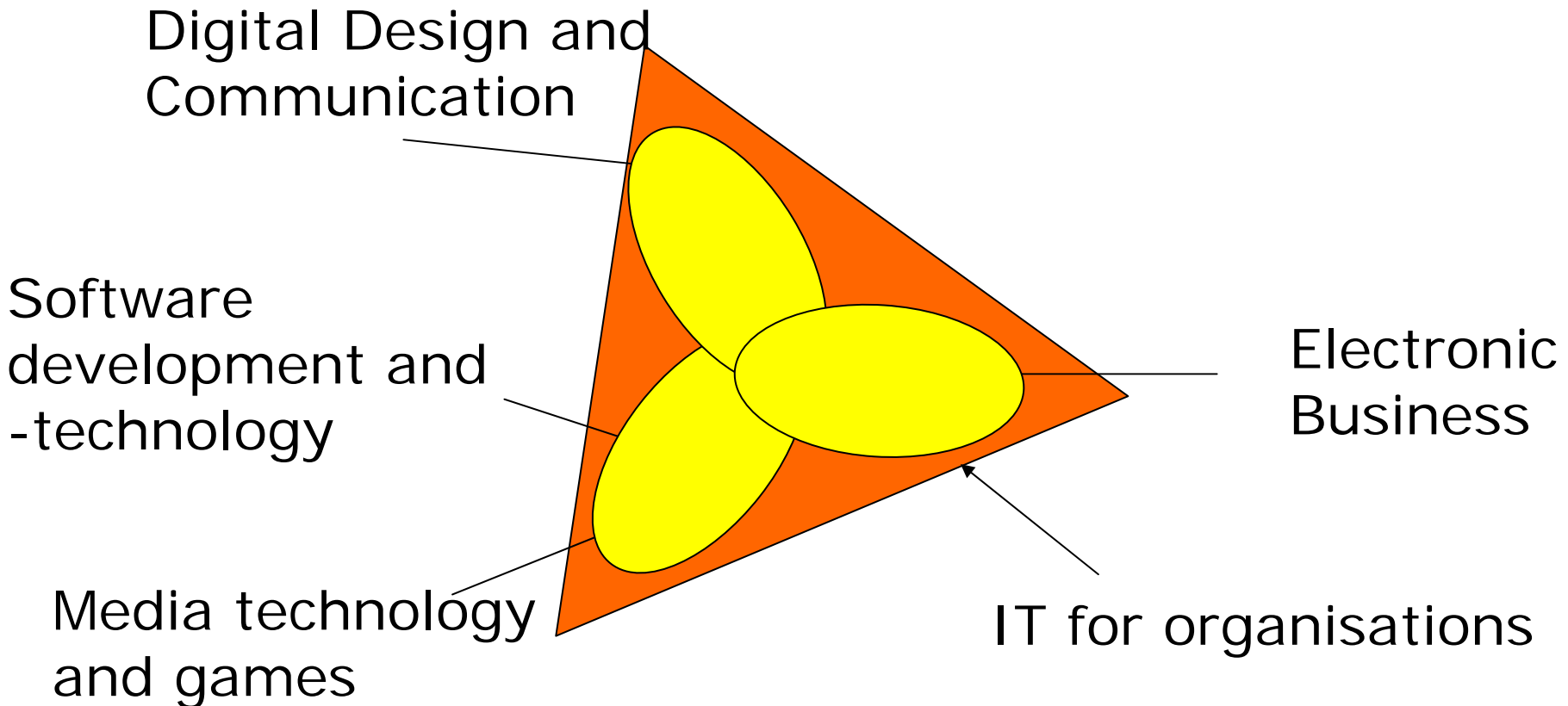
IT is for everyone
who thinks!



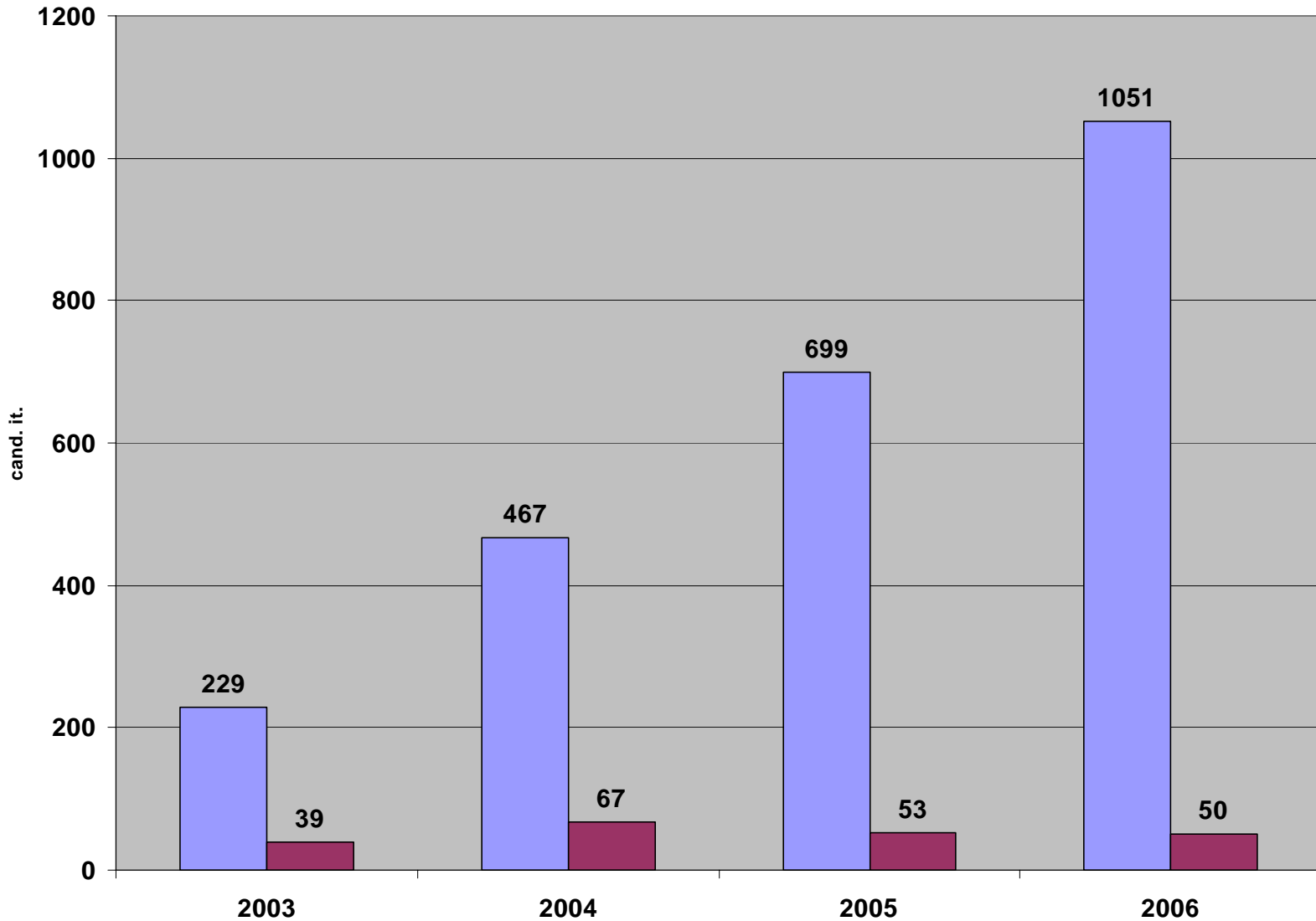
Master of Science in IT (*cand. it.*)



Five study programmes:



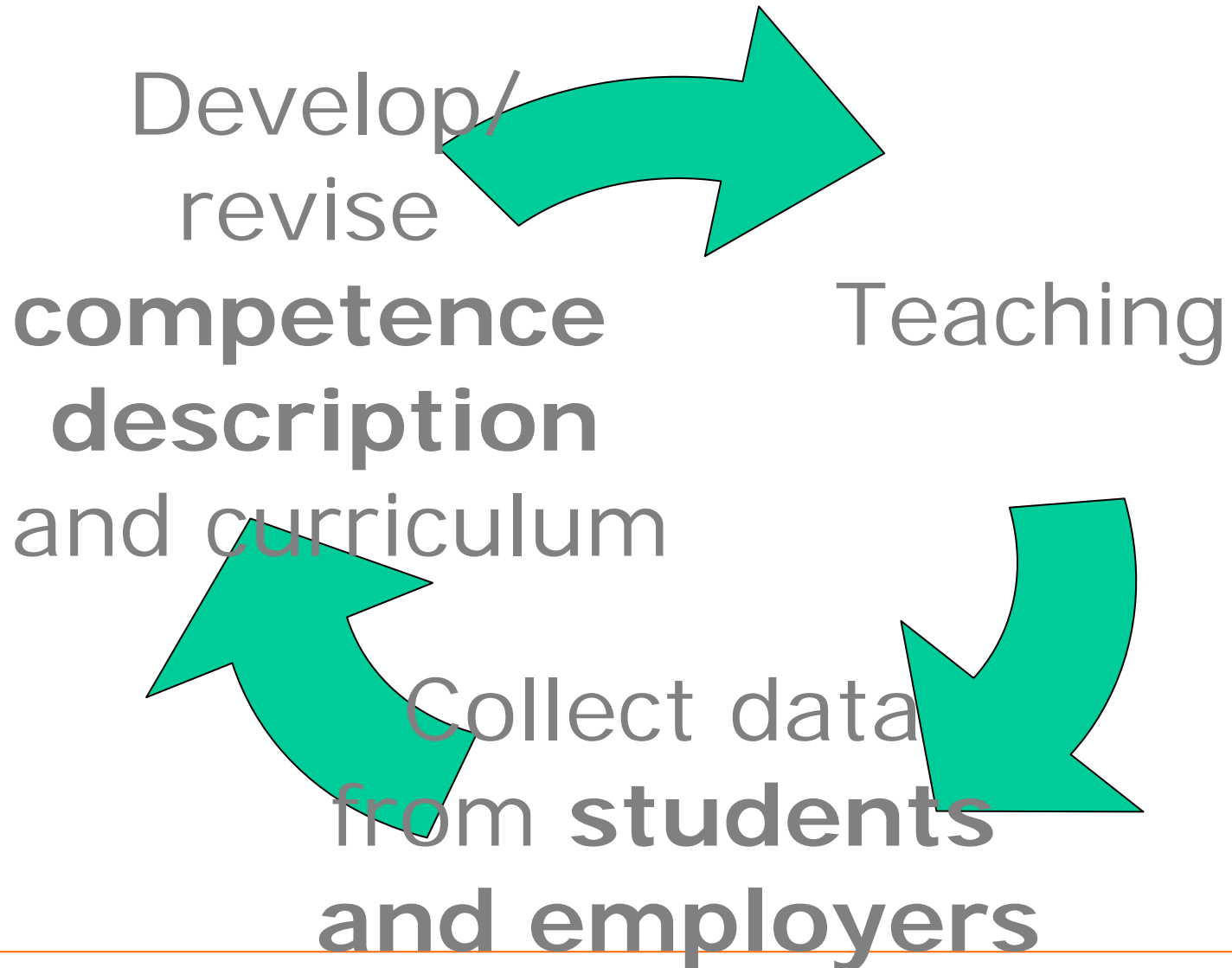
M.Sc. Graduates (accum.)



A few numbers (2005)

- Number of M.Sc. graduates: 265
- 40 % of our graduates are women
- 95 % employment
- Around 100 bachelor degrees represented among our students
- Enrolled M.Sc. Students (two enrollments a year): 381 for the year
- Additional guest students: 174

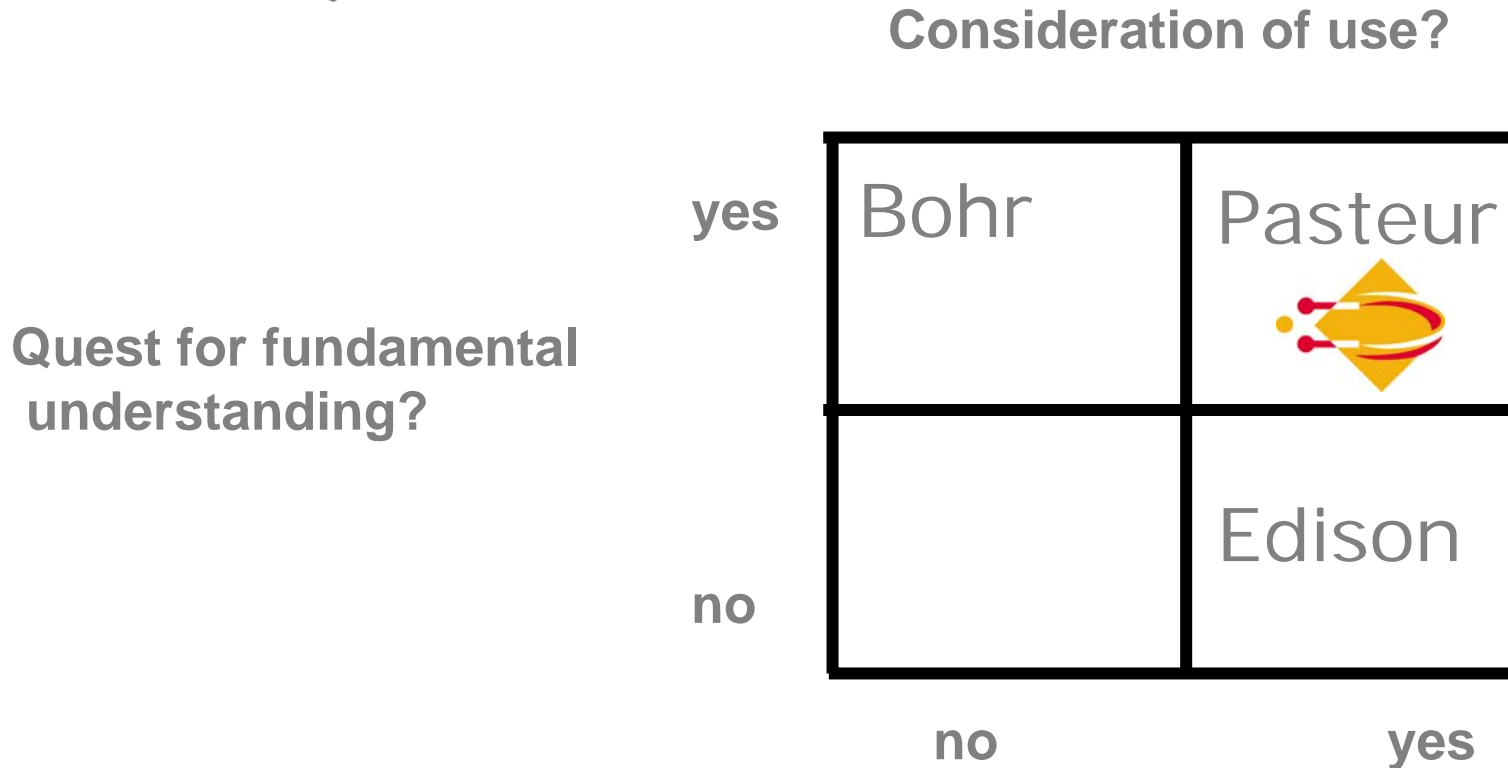
The Life-cycle of ITU Study Programmes



Research at ITU



The IT University aspires towards Pasteur's quadrant (Stokes 1997):



Implications for hiring and promotions

- Influential research contributions
- Strong academic record (as judged by peer communities)
- Ph.D. supervision
- Teaching and curriculum development
- Obtaining external funding and
- Cooperation with external partners in particular industrial partners or institutions

ITU's seven research groups

- **The Image Group**
headed by Mads Nielsen
- **Programming, Logic and Semantics**
headed by Lars Birkedal
- **Software Development Group**
headed by Peter Sestoft
- **Computational Logic and Algorithms**
headed by Henrik Reif Andersen
- **Center for Computer Games Research**
headed by Espen Aarseth
- **Design of Organizational IT**
headed by Finn Kensing
- **Innovative Communication**
headed by John Paulin Hansen

Research in all parts of the triangle



Facts about ITU (2005)

- Independent university, created in 1999
- Income: 20 million euro
- Expenditure: 19 million euro
- Full-time faculty: 45 FTE
- Ph.D. students: 38 FTE
- Part-time teachers: 14 FTE
- Total number of staff: 166 FTE
- Only one faculty, only one research department

Experiences gained

- Students (of both sexes and in considerable numbers) generally like the idea of IT being a very rich field, even though they can only specialize in a tiny part of it.
- Essential to bring together staff from different subjects (computer science is only one of them!)
- The ideas that require the most leadership (and management) are (in order of difficulty, most difficult first):
 - Pasteur's quadrant
 - The life-cycle of ITU study programmes
 - The ITU triangle
- Still, we believe we are on to a good thing. 😊

Next steps for ITU

- Establish collaboration with non-Danish universities about teaching
- Establish collaboration with non-Danish universities about measuring quality and impact of IT research (as distinguished from CS research)