Openness and commercialization

an introduction

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Research quadrants

Curiosity

Question

Utility
Research quadrants

- **Curiosity**
- **Utility**
- **Fundamental**
- **Pragmatic**
Research quadrants

- Curiosity
- Utility
- Pragmatic
- Fundamental

Comprehensive Universities

Universities of Technology

Technological Institutes

Industry

CESAER
University Business relations: HOW?

Pragmatic

Curiosity

Comprehensive Universities

Fundamental

Utility

Technological Institutes

Industry

Universities of Technology

PPP

CESAER
OPEN SCIENCE

Towards Open Access

Towards FAIR Data

Citizen Science

SCIENCE 1.0

skills

rewards

metrics

SCIENCE 2.0

Stimulation and support
OPEN DATA and/or FAIR DATA

Towards “as FAIR as possible” and “as open as possible”

FAIR ≡ Findable Accessible Interoperable Reusable
What FAIR is not

• FAIR is not a standard, it’s a guiding principle
• FAIR is not only ‘Semantic Web’
• FAIR does not mean ‘Open’ or ‘Free’
  
  Data are often Open but not FAIR
  Data could be non-Open yet perfectly FAIR
  Many data can never be Open

FAIR principles do not directly prescribe data quality, trustworthiness, ethics or responsibilities.
About FAIR

- FAIR principles do not directly prescribe data quality, trustworthiness, ethics or responsibilities.
- Data cannot be Un-FAIR but Re-useless
- FAIR is more about Stewardship then about management
- FAIR is about Visiting rather then Sharing
Boundary conditions for good PPPs

- **Quality** with respect to Research, Education and Valorisation
- **Respect**, **trust** and friendship; open exchanges
- **Active participation**; the more partners contribute the more they will get out of the relation
Thank you