

# PROTON

E U R O P E

Innovation from Public Research

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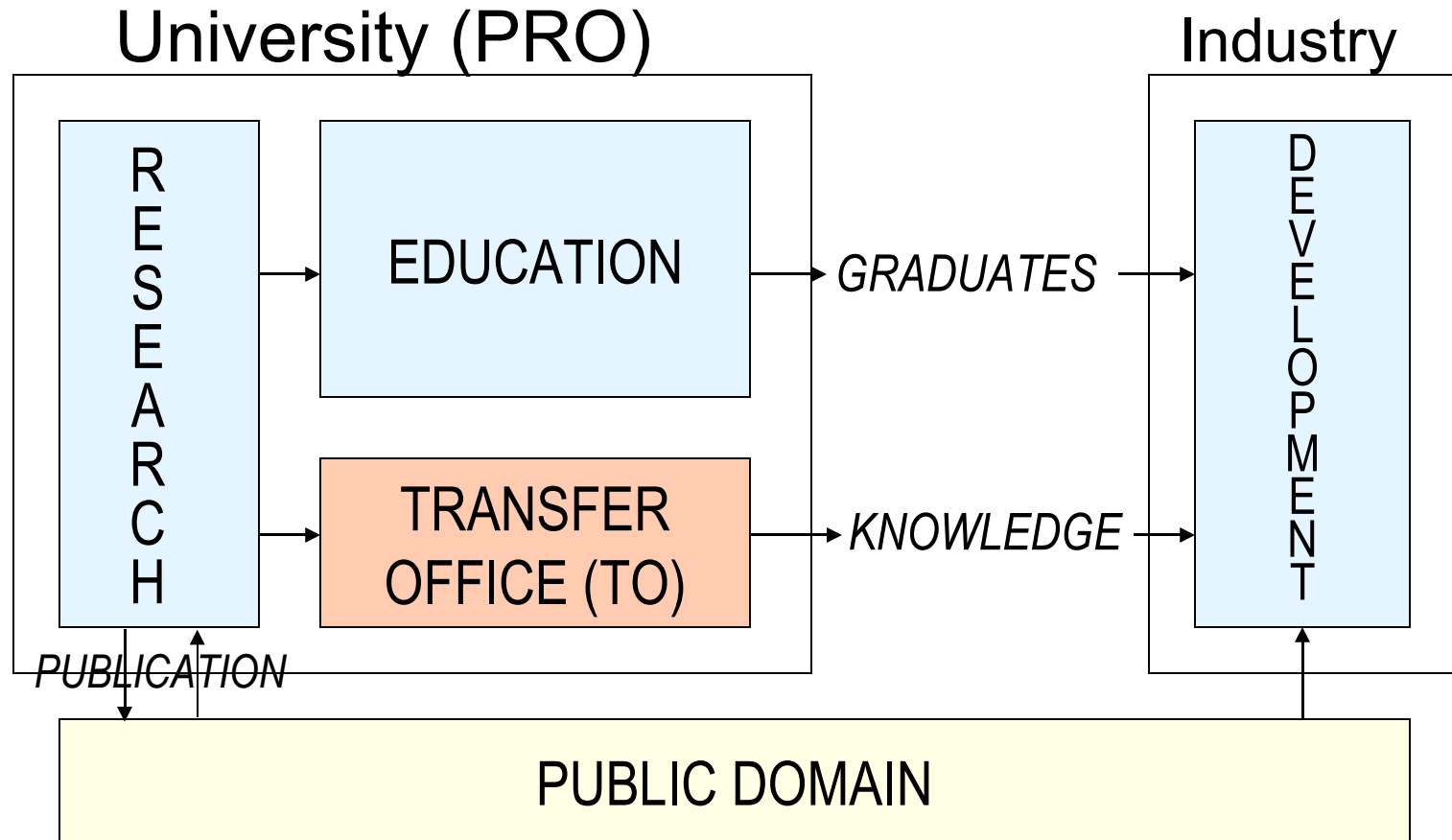
# Representative European KT Association

- Independent not-for-profit association of Knowledge Transfer Offices (KTOs) from Public Research Organisations (PROs)
- Represents professional KT in Europe
- 260 members, 32 countries (growing)
- Partnerships with 10 national assoc. : S, Pl, D, I, F, UK, Irl, B, DK, Pt, reaching 600+ KTOs...
- Additional affiliations with partner organisations

# Vision and Missions

- 1- Represent the profession** of KT from public research at European level, complement existing national assoc., support the creation of new ones;
- 2- Contribute to the development and recognition** of the KT function within PROs in Europe;
- 3- Boost knowledge transfer** by providing a comprehensive range of services and benefits and by facilitating trans-European knowledge transfer;

# How is knowledge transferred?



# Innovation from Public Research

- 1- Most pre-competitive research is performed by PROs;
- 2- In the USA, more than **70% of all patents** are based on university discoveries!
- 3- More than **30% of value 3,200 NASDAQ** companies attributed to academic technology transfer!

# Innovation from Public Research

*From the 36 finalists of the Inventor of the Year 2006 selected by EPO (most successful patents nineties):*

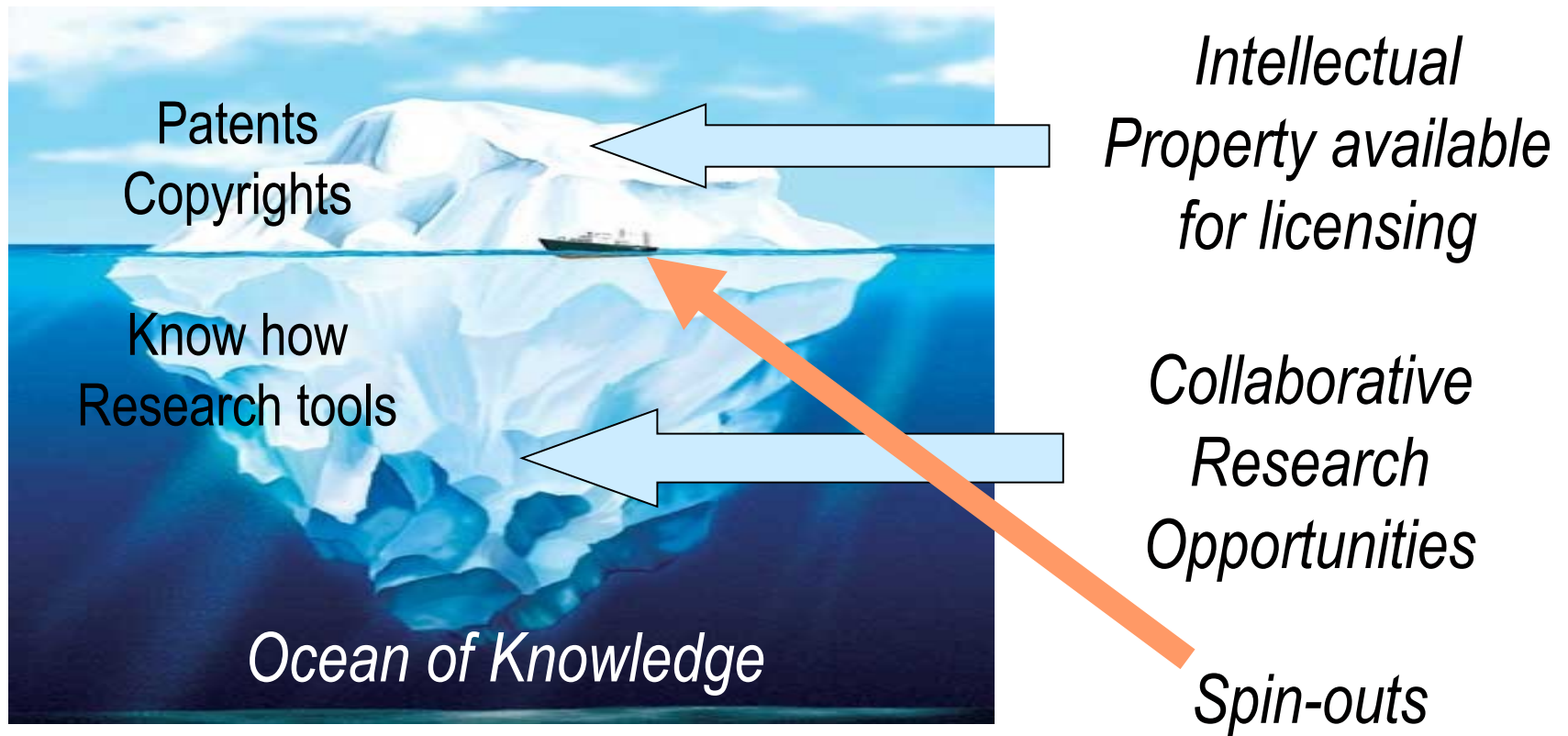
1- **50% based on university**  
inventions or discoveries!

2- Additional **25% proof-of-practice**  
in collaboration with **PRO!**

# New roles for universities

- 1- **Long term investment** in excellence in scientific disciplines (*industry will not do it any more...*)
- 2- Efficient kT with industry in a sustainable way: ***building bridges*** = the Responsible Partnering initiative
- 3- Support **entrepreneurship**, incubator services, training, education, ...mostly at regional level.

# Potential mainly lies under water



# Many forms of cooperation enhancing knowledge transfer

- 1- **R&D projects** – *sponsored by firms because university/RTO has special expertise or IPR*
- 2- In-licensing or **acquisition** – *of IPR for new product or technology*
- 3- Investing in **spin-off** companies
- 4- Training & **EDUCATION!**

# Conclusions-1

- 1- The **knowledge economy** is leading to products and services combining many technologies to serve higher level needs;
- 2- We can **compete** if we succeed in **partnering** between:
  - 1- Societal needs & business
  - 2- Public & private organisations
  - 3- Universities, RTOs, SMEs, ...
  - 4- Education, Education & Education!

# Conclusions-2

- 3- University-Industry **collaboration** is required
- 4- **Academic spin-outs** are important as knowledge transfer mechanisms to rejuvenate the economy
- 5- **Attract** students/researchers
- 6- **Intellectual Property** provided a vehicle for KT
- 7- KT deals and new company creations help **innovation growing** to significant scale
- 8- Structural measures from **governments** accommodate the innovation process