

Strategies, Trends and New Challenges Related to Economic Issues of IPRs

Academic perspective

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Economic Aspects of Intellectual Property Rights

Economic Issues = competitiveness



Innovation



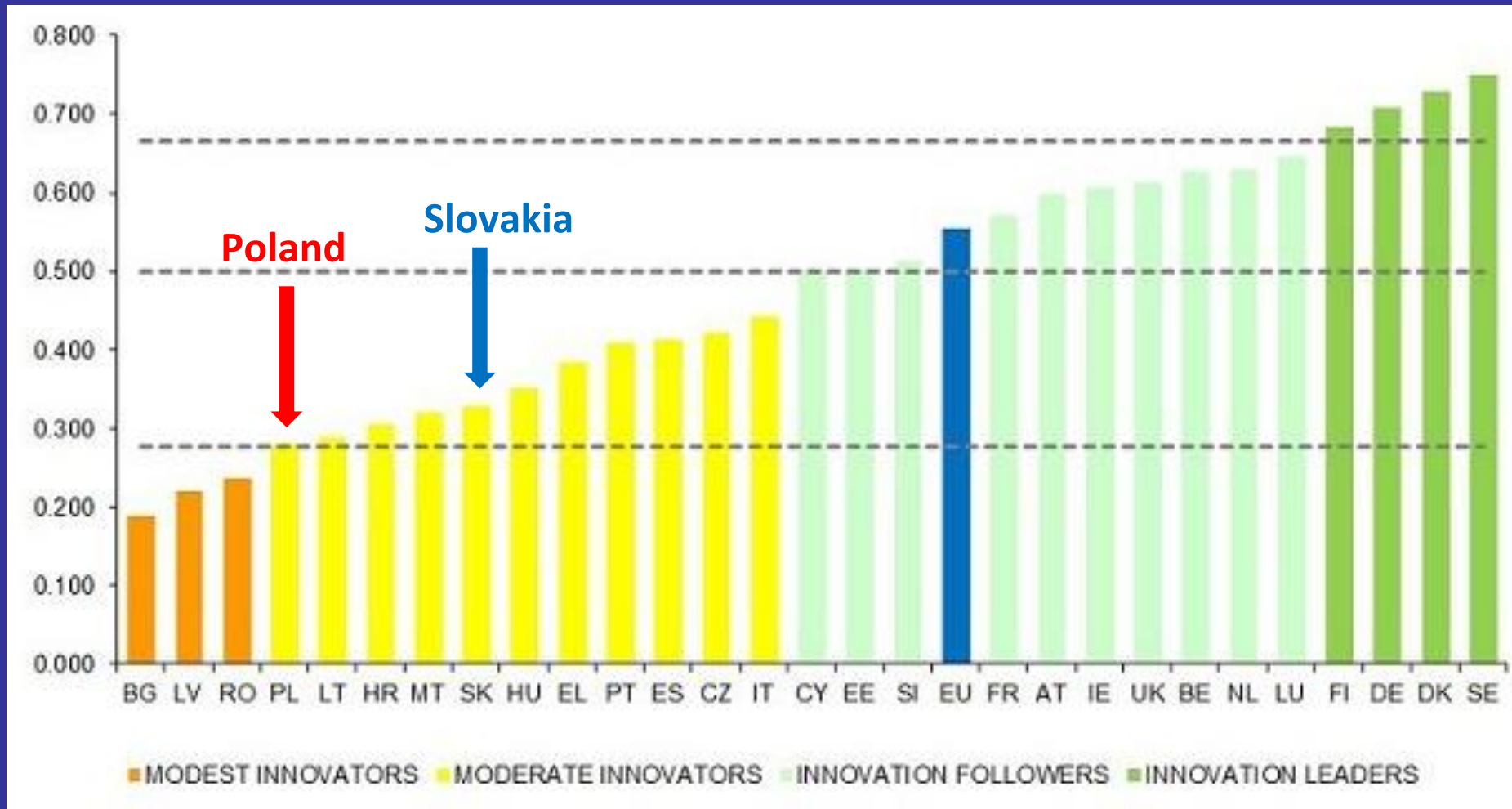
Invention



Research & Development

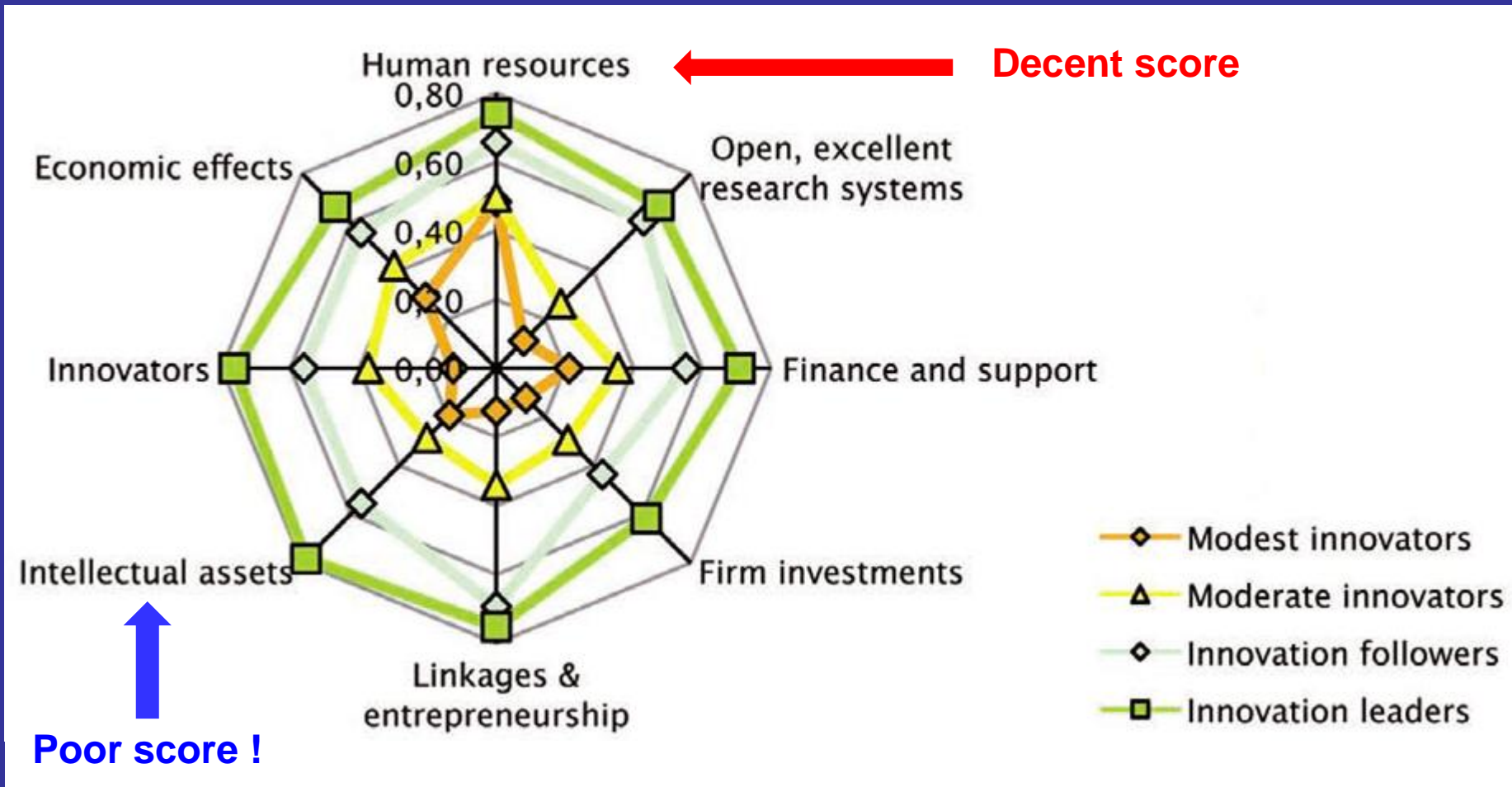
Key issue: the structure of the process and cooperation of the stakeholders ?

Innovation Index of the EU countries 2013



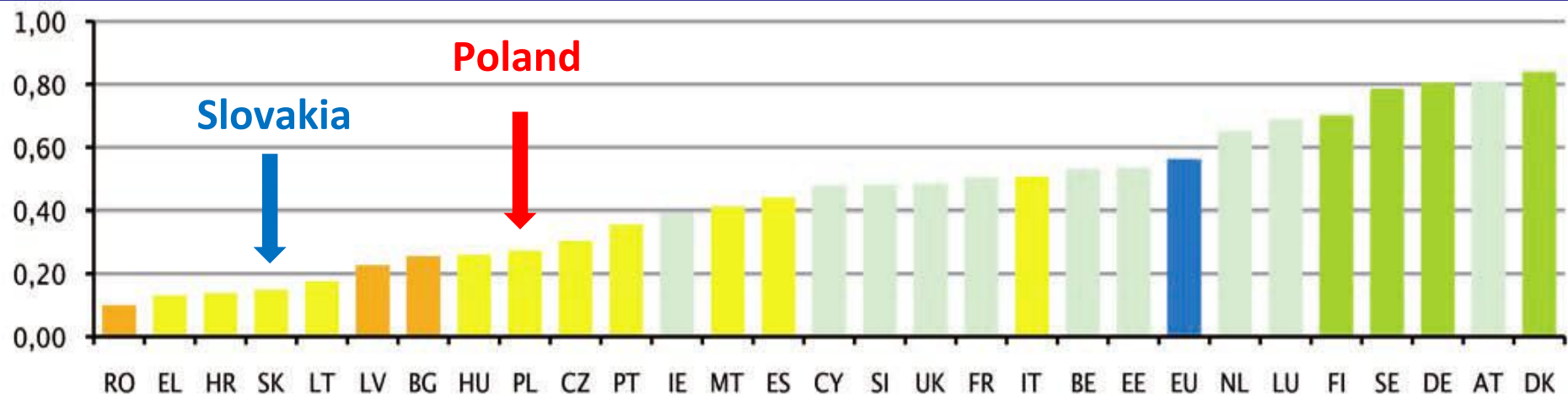
Innovation Index of the EU countries 2013

Country groups: innovation performance per dimension



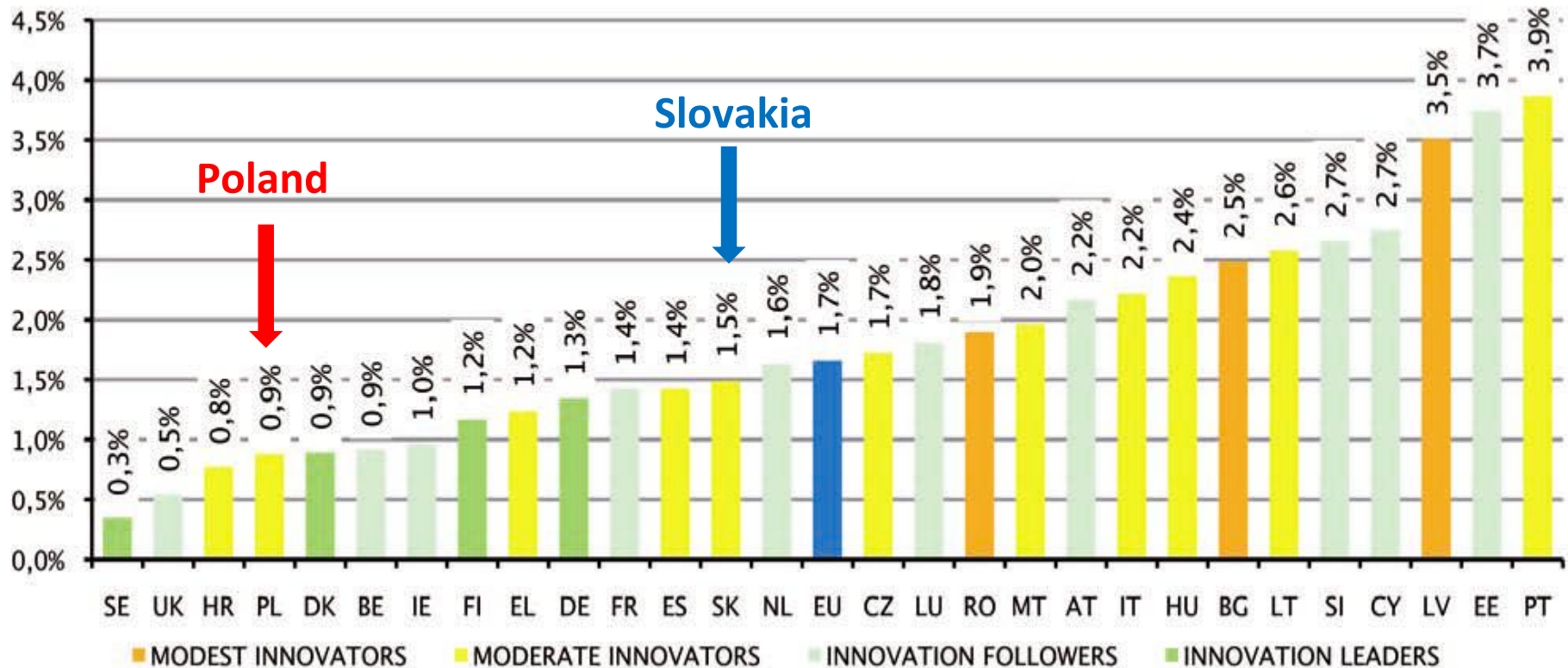
Innovation Index of the EU countries 2013

Member States' performance in Intellectual assets



Innovation Index of the EU countries 2013

EU Member States' growth performance



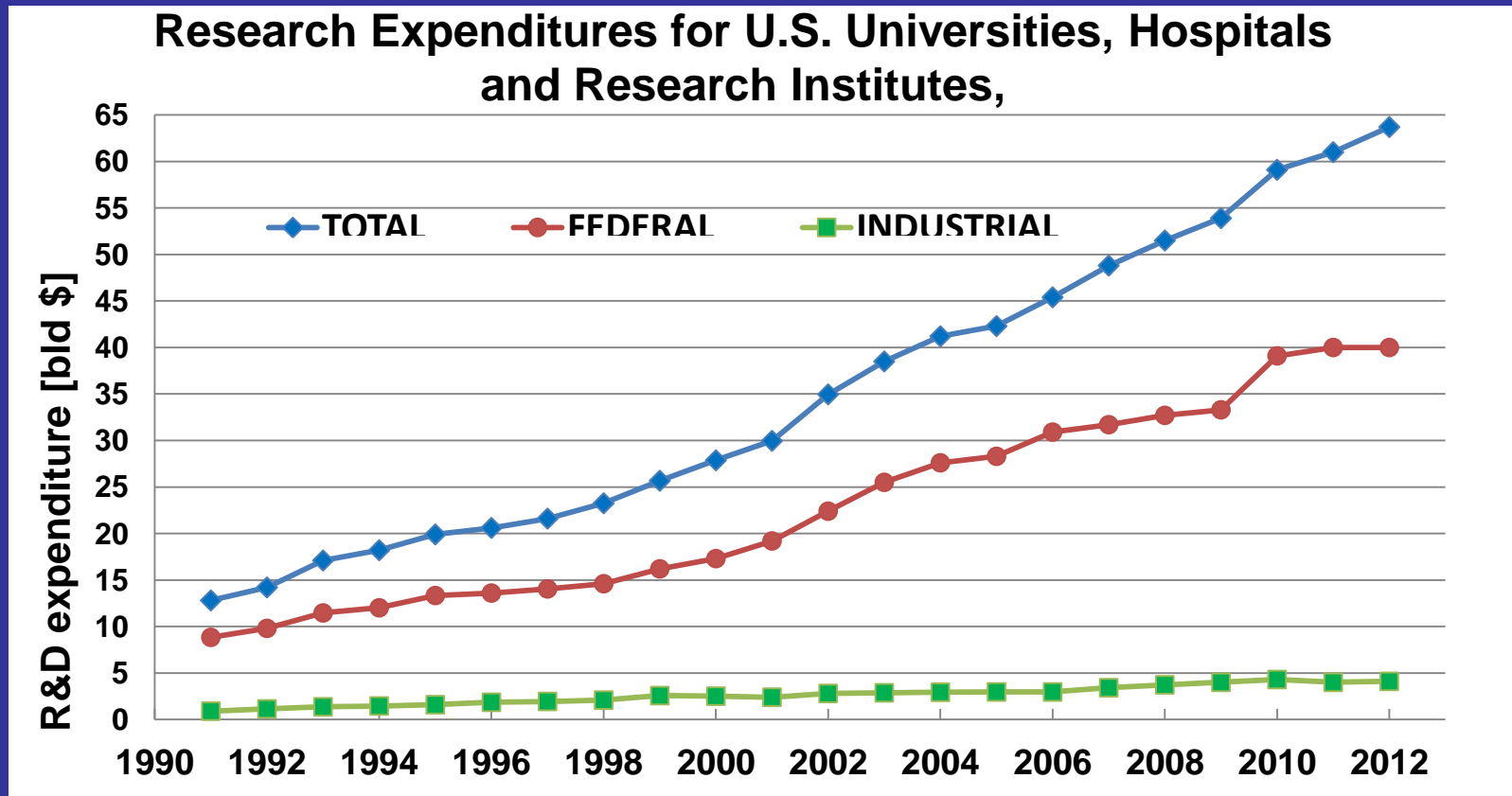
Average annual growth rates of the innovation index over the period 2006-2013

Innovation generators:

- Universities, research institutions
- R&D in business sector
- Individuals

What should be the optimal sharing which stimulates competitive growth based on innovations ?

USA – B+R funding in the research institutions



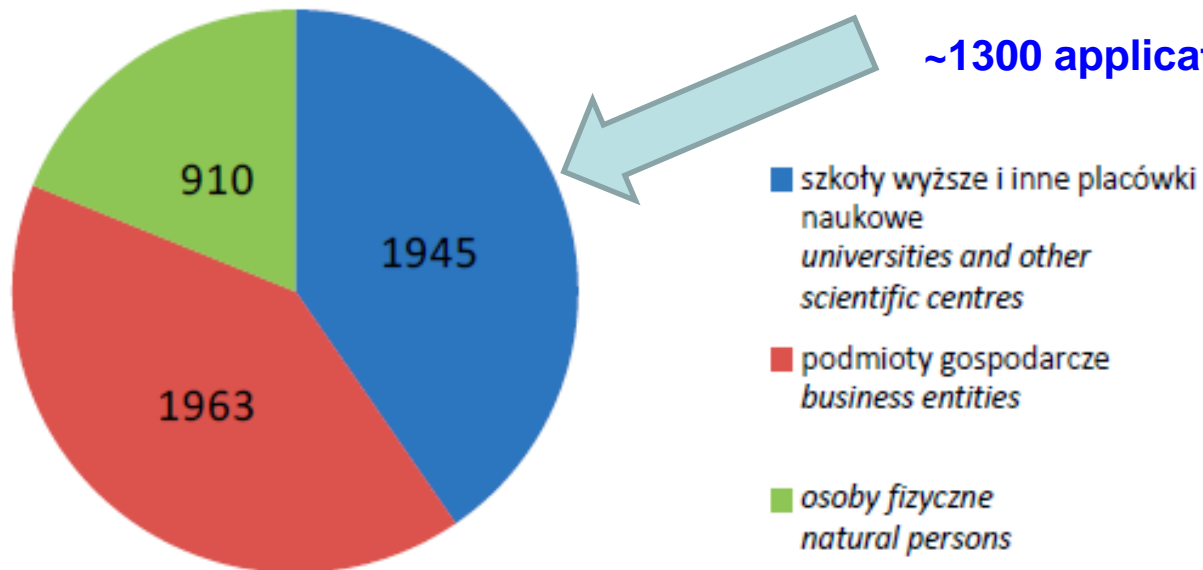
Association of University Technology Managers (AUTM)

- 22 750 U.S. patent applications filed by research organizations in USPTO in 2012
- 2.6 bln \$: license income
- 266 243 – total # of patent applications by US entities in 2012
- 284 bln \$ total B+R expenditure in USA in 2011 (OECD)

Invention score in Poland

Zgłoszenia wynalazków i wzorów użytkowych
wg krajowych podmiotów zgłaszających w 2011 r.

Patent applications and utility model applications
broken down by domestic entities in 2011



Leaders: universities !

~1300 applications

Patent applications in Polish Patent Office in 2011

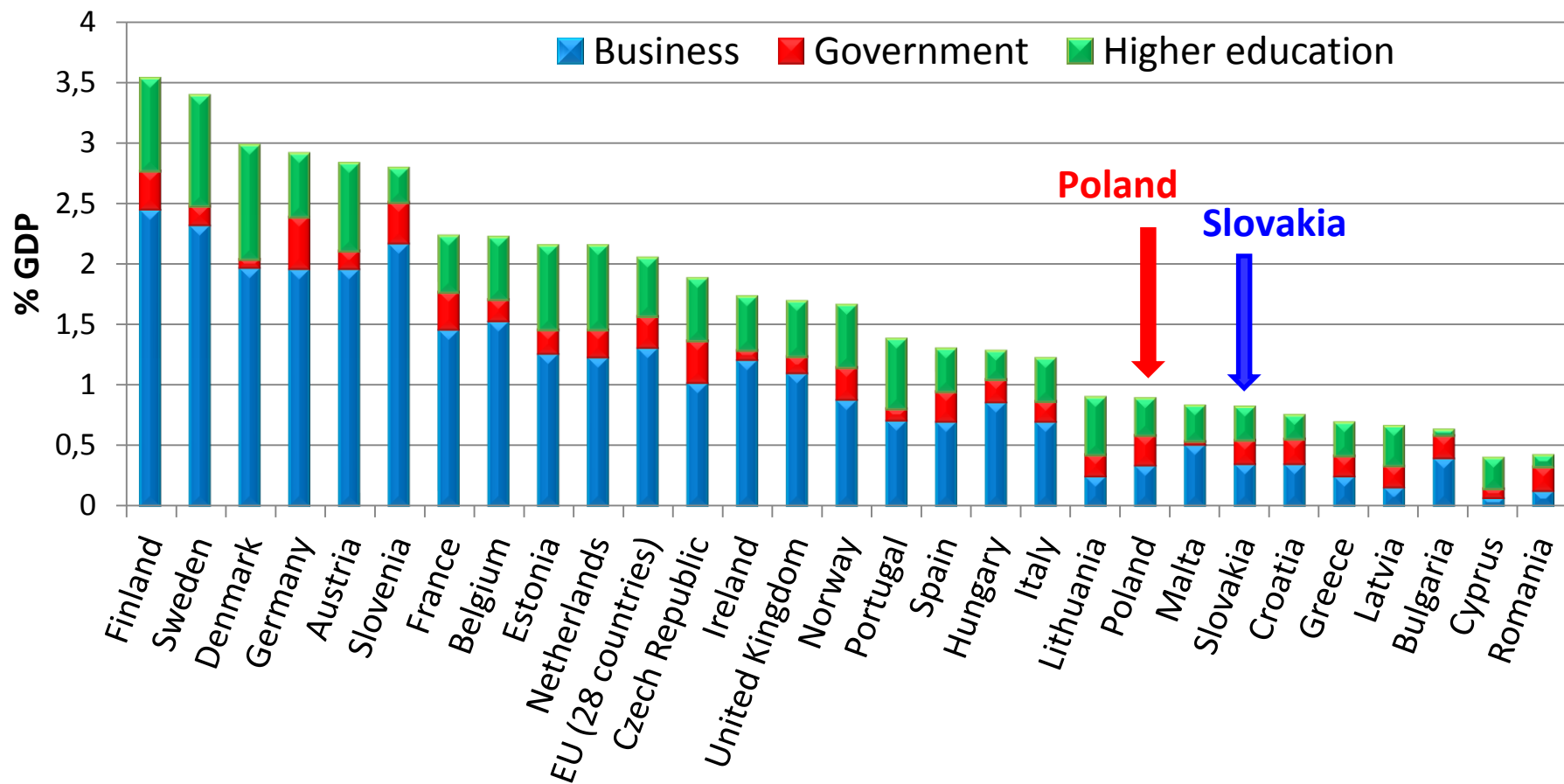
Total: 4818 applications

The most active patent applicants in DPMA in 2011

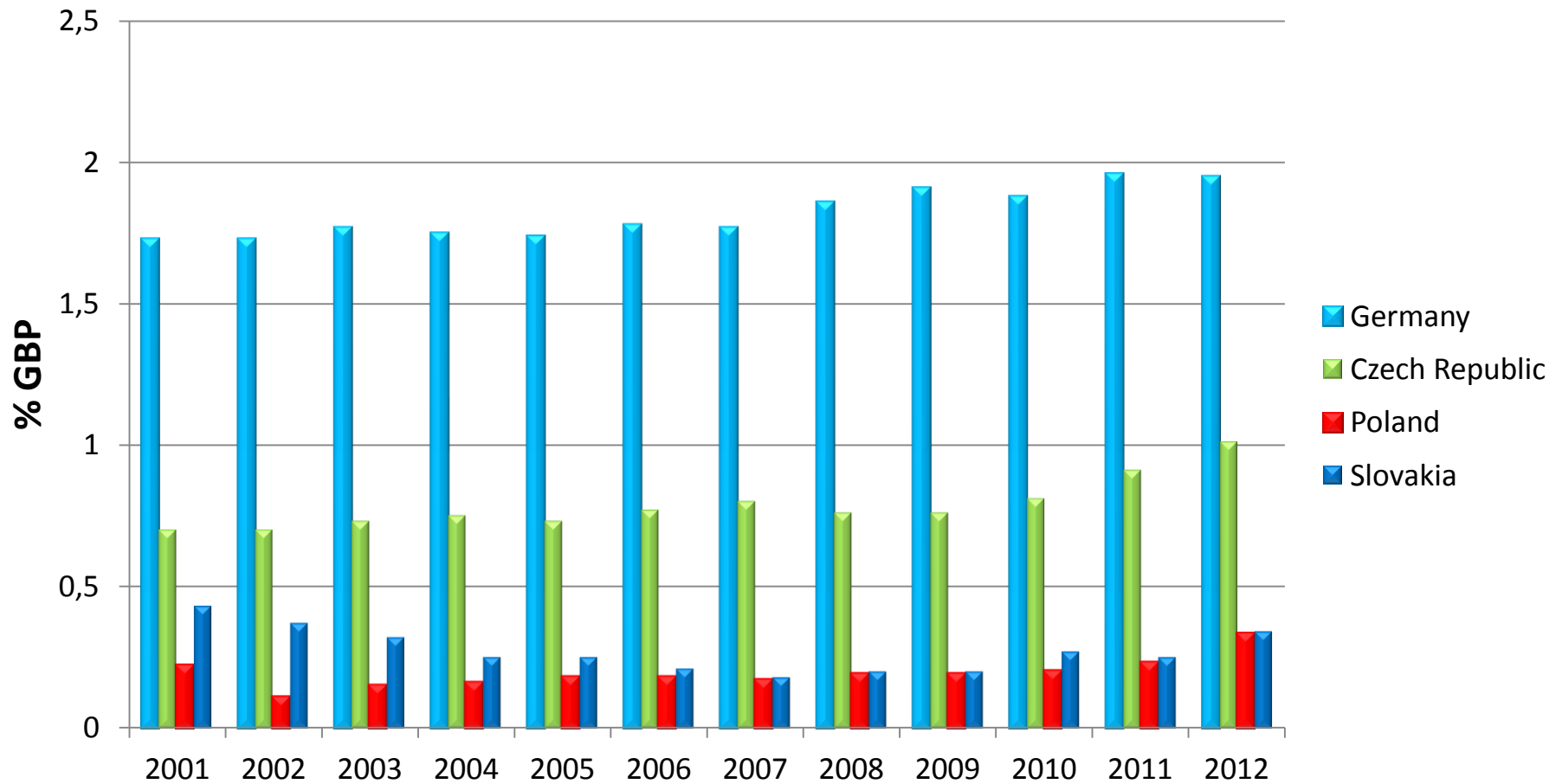
	Applicants	Seat	Applications
1	Robert Bosch GmbH	DE	3 602
2	Daimler AG	DE	2 014
3	Siemens AG	DE	1 910
4	Schaeffler Technologies GmbH & Co. KG	DE	1 832
5	GM Global Technology Operations LLC	US	1 566
6	BSH Bosch und Siemens Hausgeräte GmbH	DE	884
7	Volkswagen AG	DE	730
	Universities in Germany		672
8	ZF Friedrichshafen AG	DE	669
9	Audi AG	DE	661
10	Bayerische Motoren Werke AG	DE	658
11	Denso Corp.	JP	512
12	Continental Automotive GmbH	DE	424
13	General Electric Company	US	418
14	Dr. Ing. h.c.F. Porsche AG	DE	405
15	Ford Global Technologies LLC	US	394

46370 – patent applications filed in DPMA

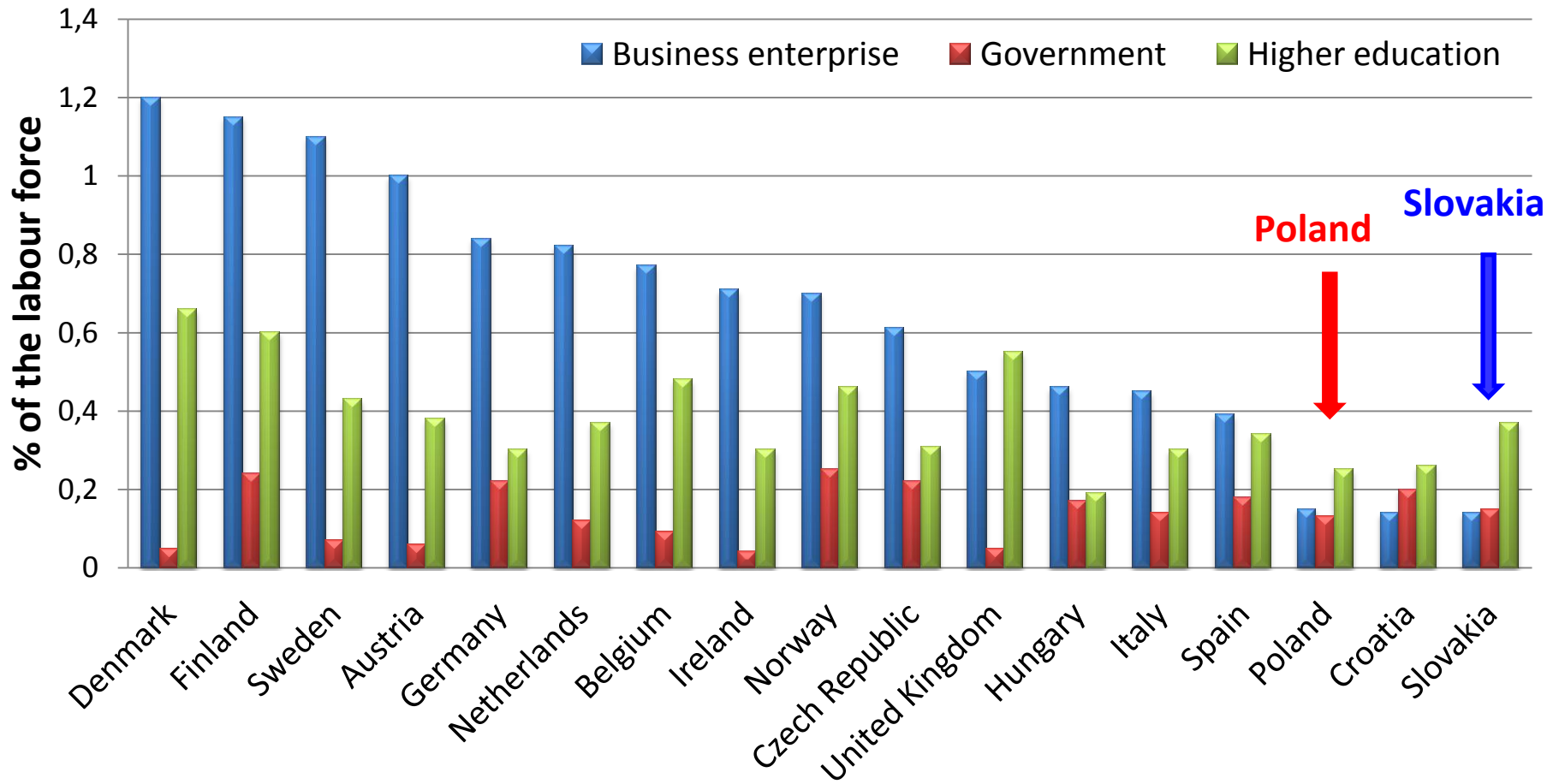
Research and development expenditure, by sectors of performance, 2012



Research and development expenditure in business enterprise sector



Research and development personnel, by sectors of performance, 2012



Intellectual assets and IPR are fundamental for innovative and competitive economy

Business sector has fundamental role to play in the IP creation leading to an innovative growth

- SMEs contribution based on academic inventions
- Leadership in R&D and innovation of large companies
- Universities' role : education, R&D personnel formation, new challenges in research

Current dilemma of Poland:

- Ownership of the IP generated within university research should belong by default to researchers ?
- Professor's privilege as a driving force of the innovations ?

Thank you !

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