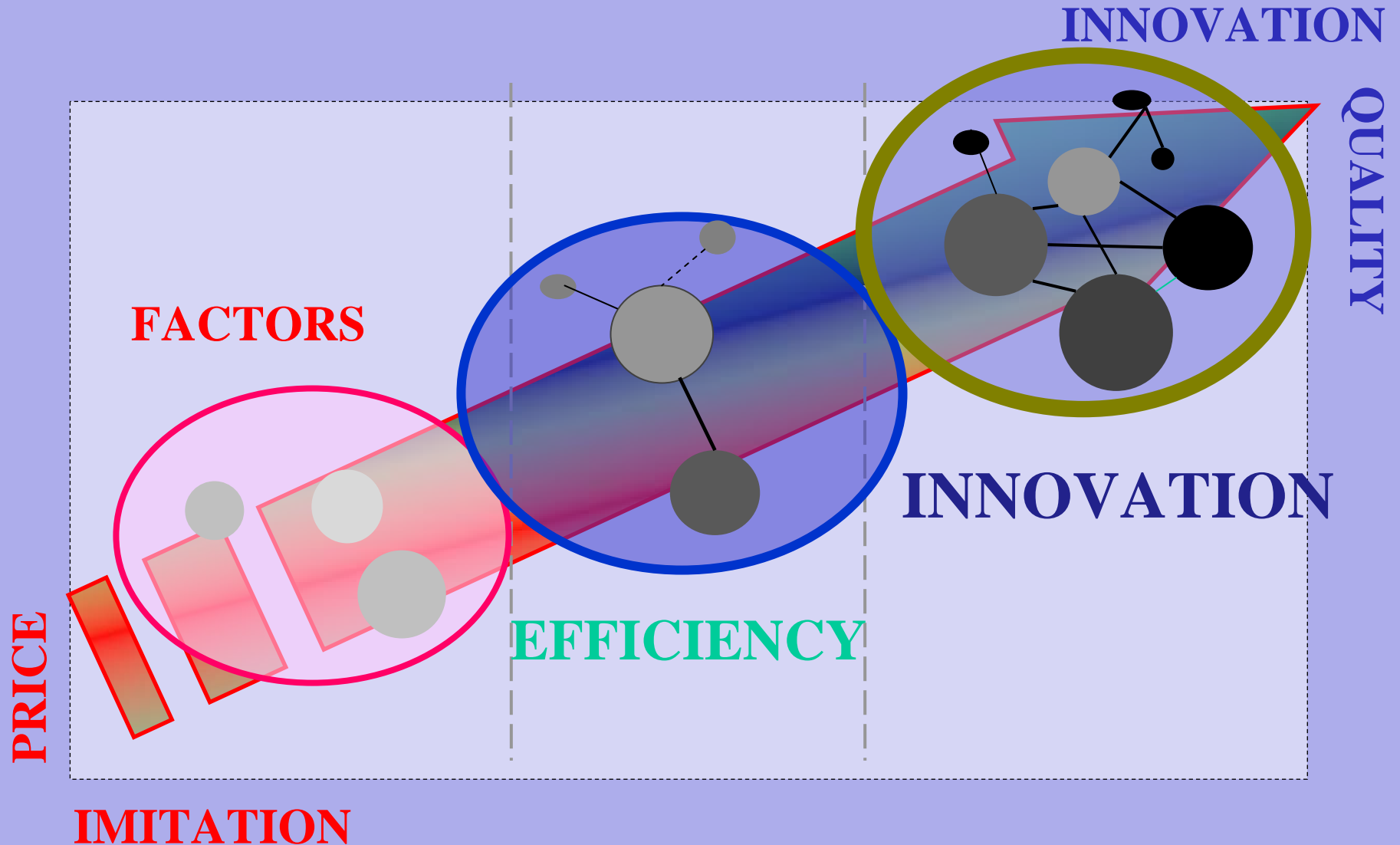


Science base and industry
competitiveness - challenges for policy
support in the Czech Republic

Anna Kaderabkova
Centre for Economic Studies, Prague
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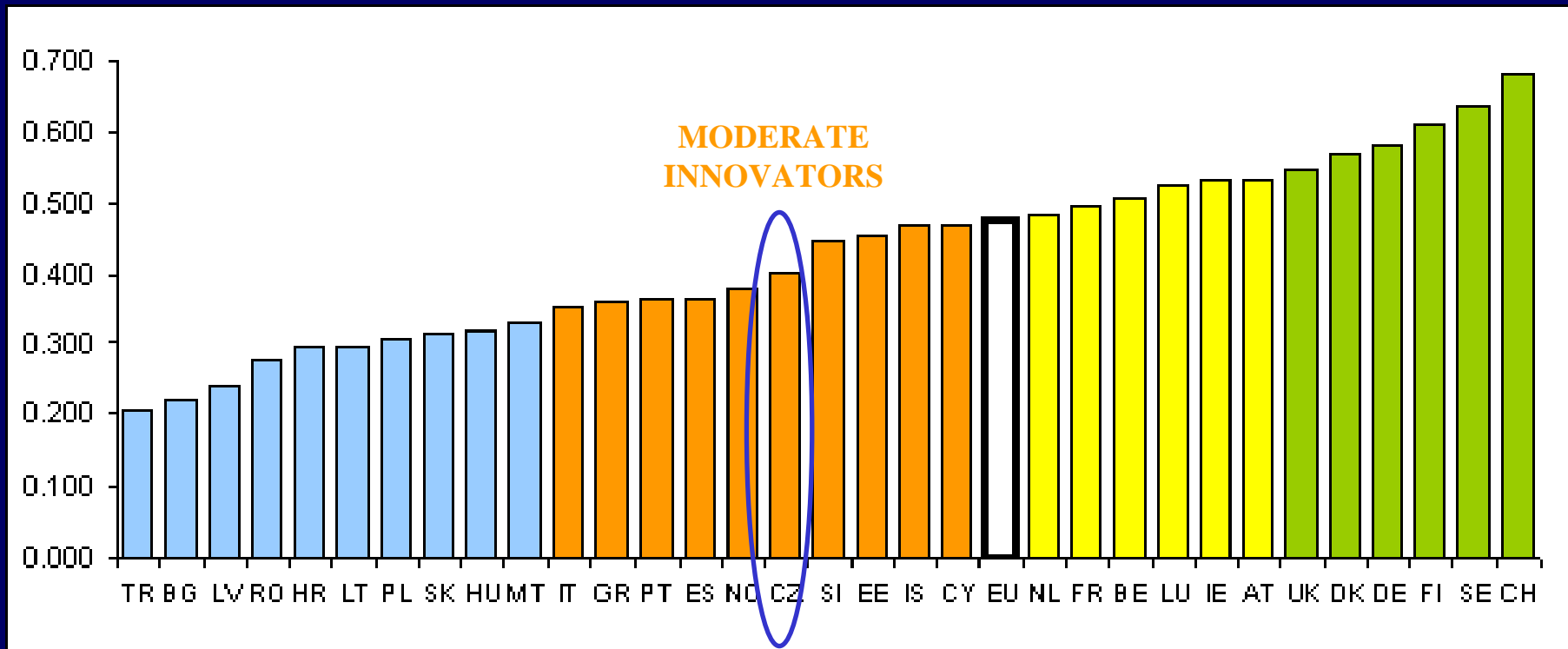
Innovation for competitiveness



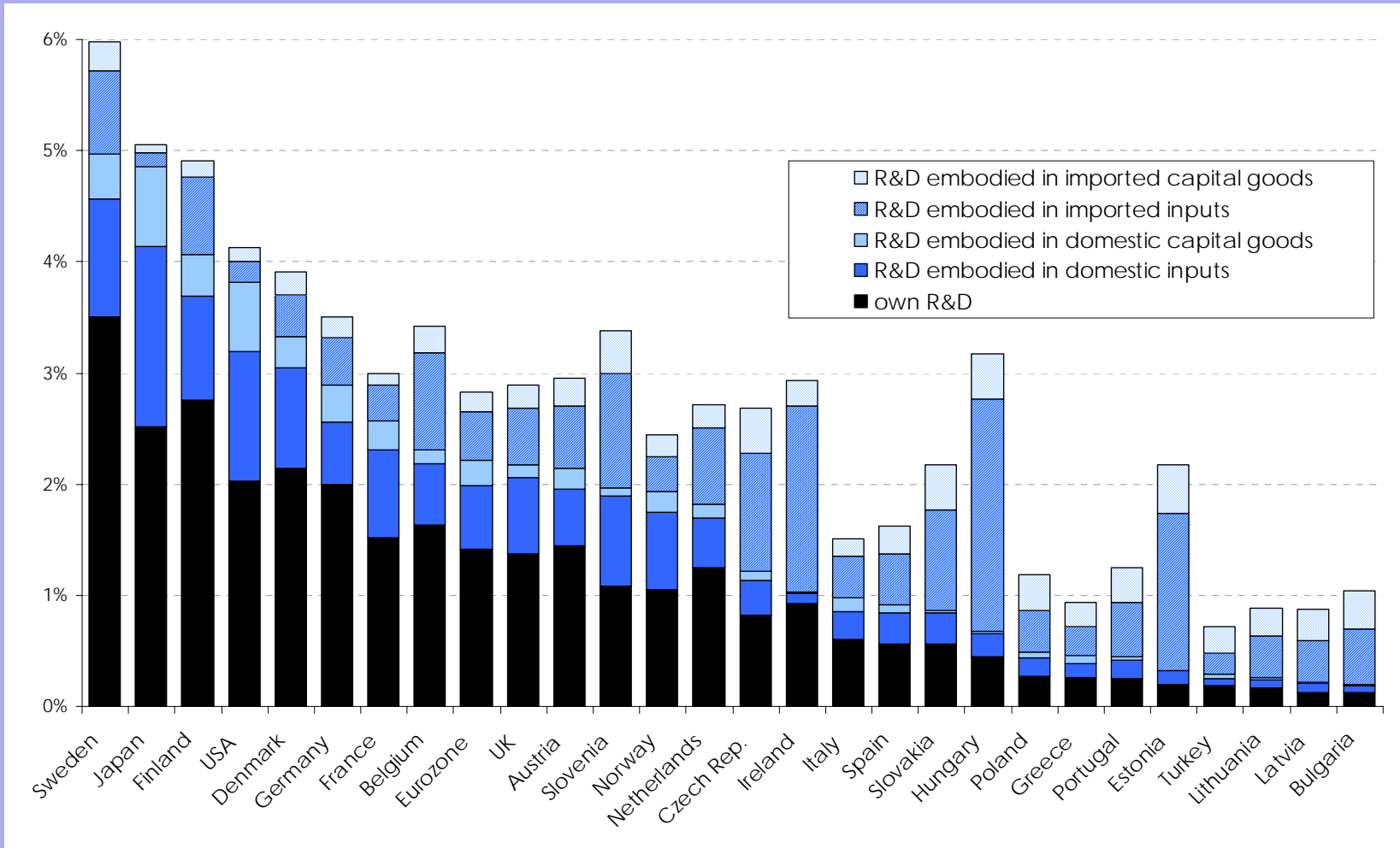
Innovation for Competitiveness (INCOM)

- Prague, 22-23 January 2009 →
- expert group on analytical and political challenges for innovation-based competitiveness in NMS
- growth dynamics, FDI, demand-side, industry-specifics, policy domains, governance quality (institutions)
- Action points

EIS: Diverse innovation performance – SII 2008 (comprehensive view)



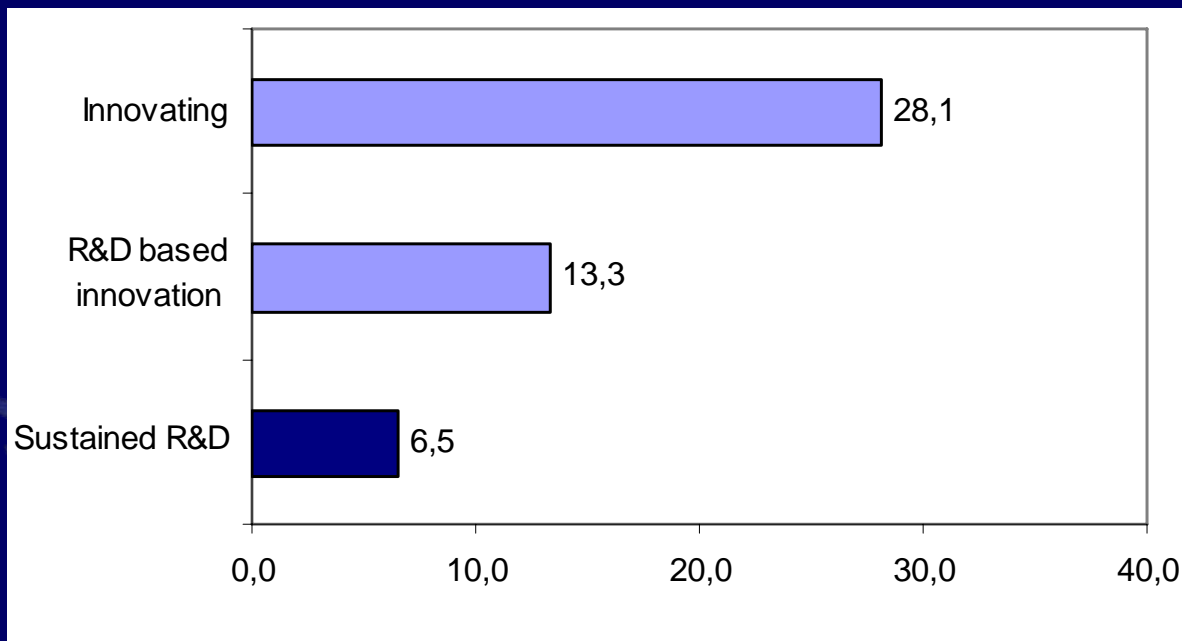
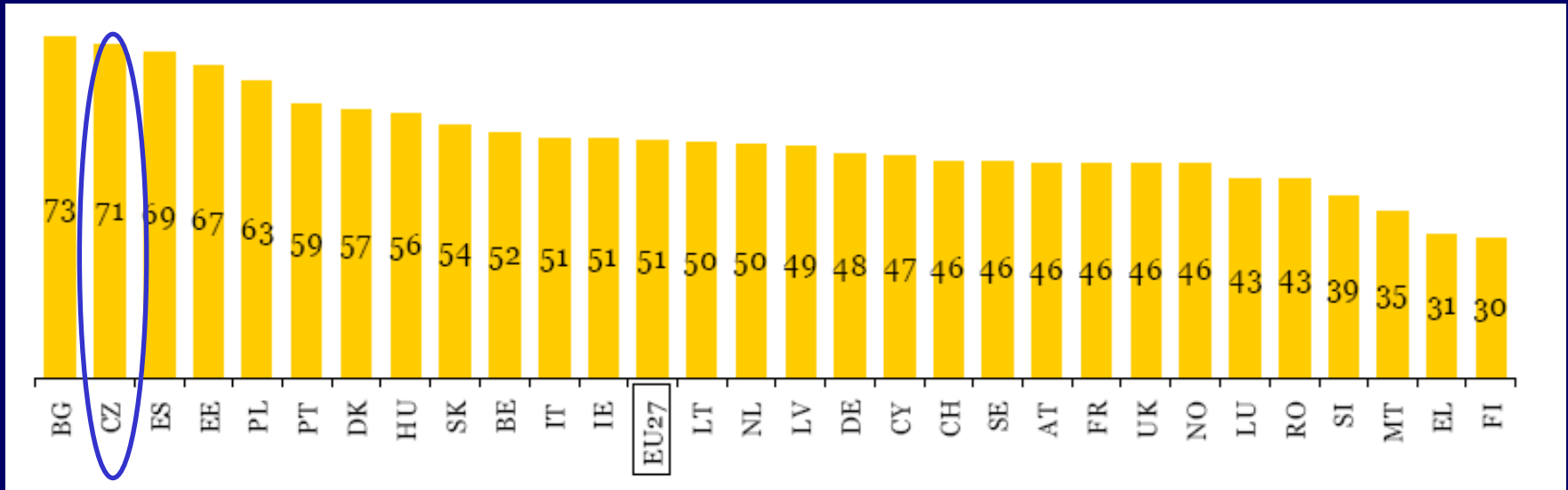
Direct/indirect R&D intensity



Innovation capacity

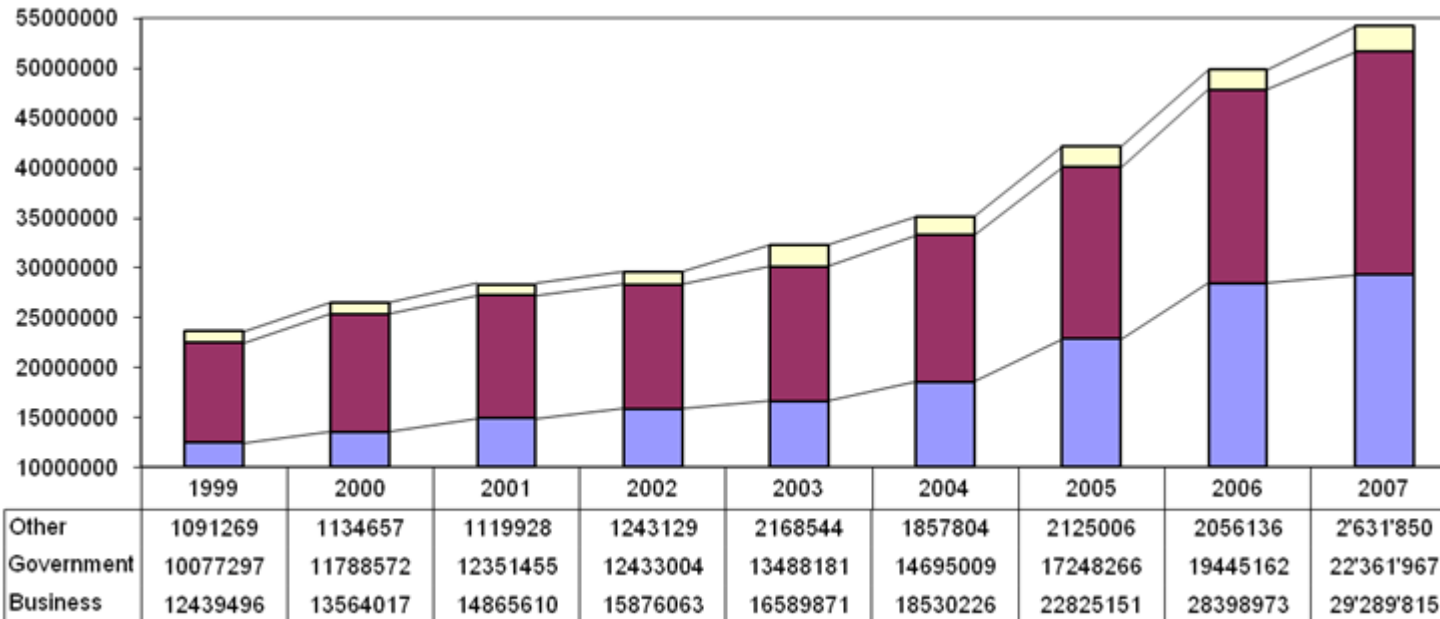
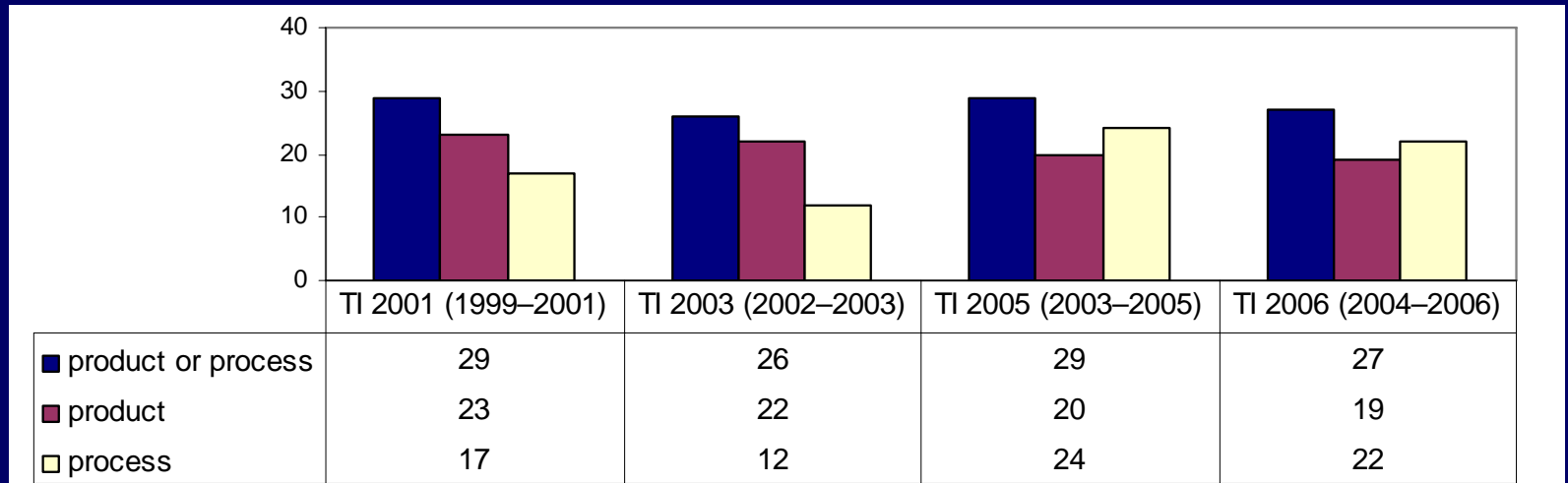
- position vis-a-vis technology frontier
 - level of economic and technology development
 - technology production/innovation/imitation
- diversity of innovation capacities
 - measurement/benchmarking
 - policy effectiveness
 - science-base/knowledge application
- industry structure/specialization specifics
 - R&D intensity (direct/indirect)
 - FDI embeddedness

Innovation without R&D (IB)



R&D based
innovation –
CR (CIS)

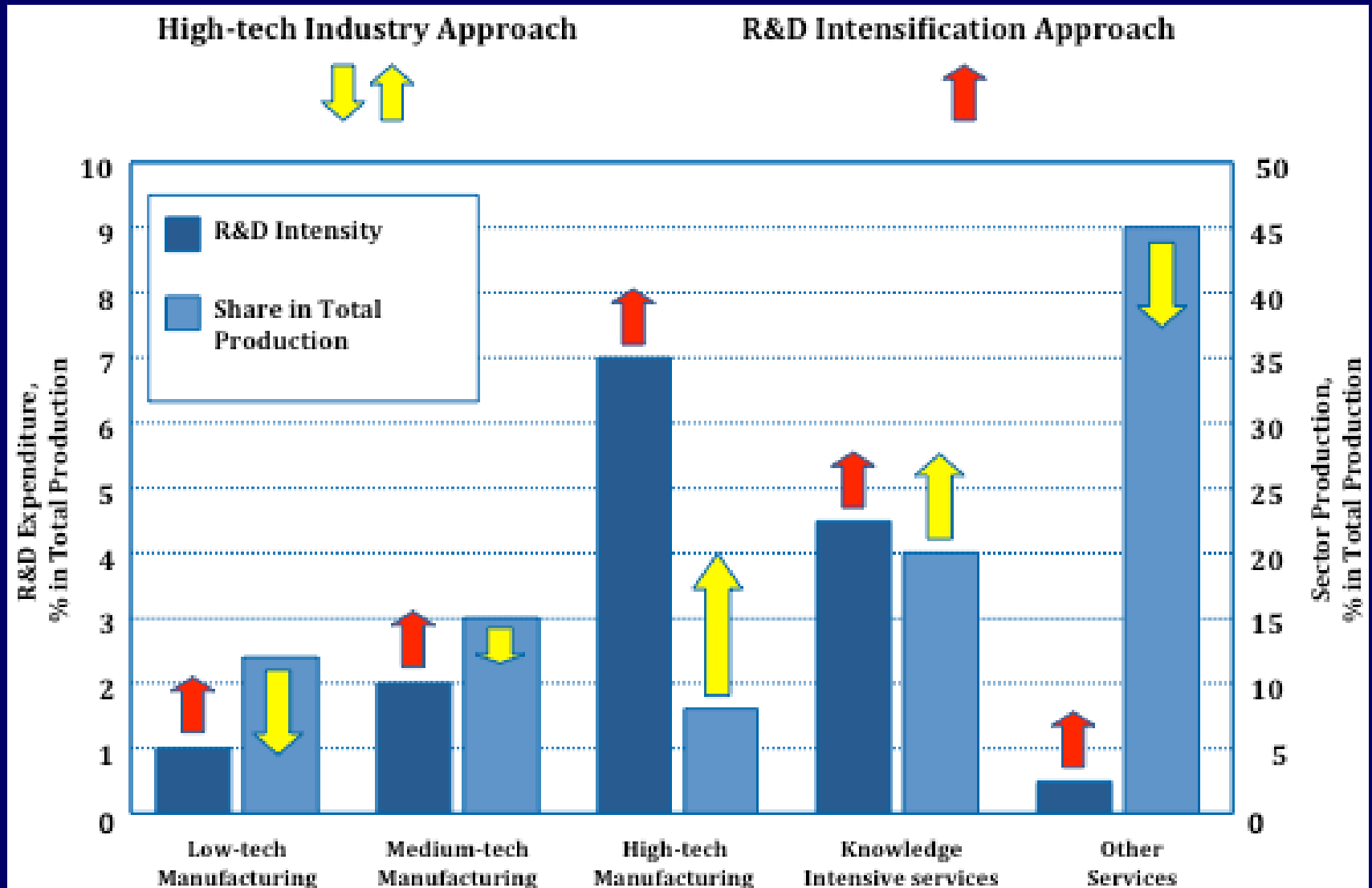
Innovation performance/R&D expenditure CR



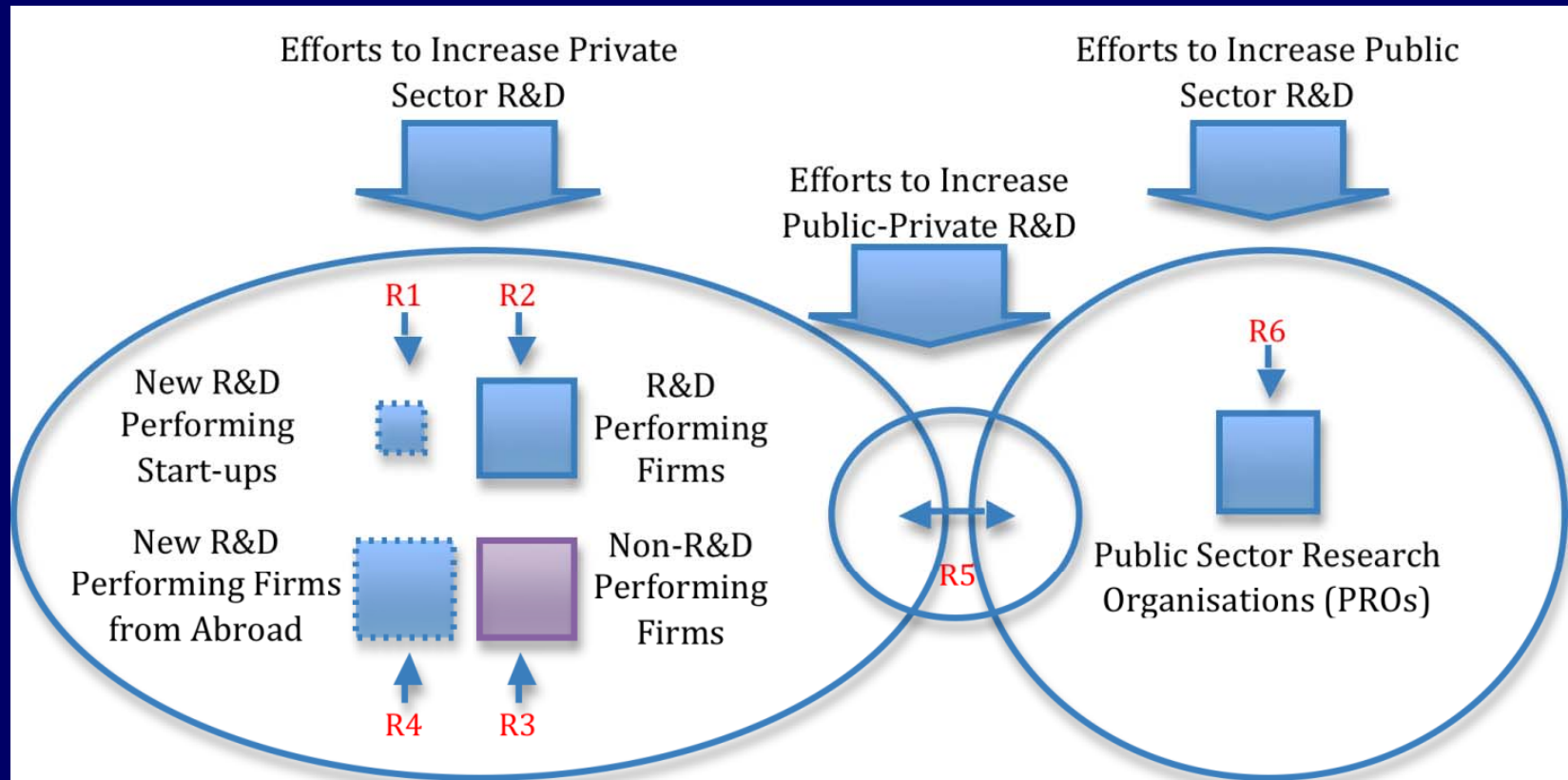
Governance capacity

- strategic intelligence
 - policy mix/complementarity (narrow/broad)
 - medium/long-term horizon (financial capacity/constraints)
 - thematic priorities (formulation/selection)
 - interest groups (academic vs business)
 - demand/supply side (absorption capacity)
- policy evaluation (backward/forward)
- administrative efficiency/professional quality

Restructuring Routes



R&D Routes



- Route 1** – Efforts to promote the establishment of new, domestic R&D performing firms
- Route 2** – Efforts to stimulate greater R&D investment by R&D-performing firms
- Route 3** – Efforts to stimulate R&D investment by non-R&D performing firms
- Route 4** – Efforts to attract R&D-performing firms from abroad
- Route 5** – Efforts to increase R&D by stimulating public-private sector collaboration
- Route 6** – Efforts to increase R&D levels in public sector research organisations (PROs)