

Innovation for Canada's Future: Attracting, Retaining & Maximizing Talent

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Promoting Innovation & Success

The Pillars:

- Effective Public Policy
- Competitive Talent & Infrastructure
- Global Impact & Entrepreneurship
- Dynamic Networks & Profile
- Celebrating People & Achievements

Canada's Record Today

- Decade of Major Progress
 - Innovation Agenda
 - Growing international success and investment
 - Competition also moving forward
- Caveats:
 - Productivity problems
 - Lack of harmonization of federal and provincial frameworks
 - Sense of 'been there, done that' when we've only just begun.

One Decade Back

Canada's Challenges:

- Brain drain
- Massive expansion of student enrolment
- Faculty renewal at a standstill
- Excellence & distinctiveness competing with equalization
- Absence of the fundamentals
- Lack of global S&T orientation
- Competitive disadvantages vis US, UK, EU, emerging economies (ie Singapore)

Today: Canada's Challenge:

Creating Unique Sustainable Advantage
for Canada and Canadians in the Age
of India, China

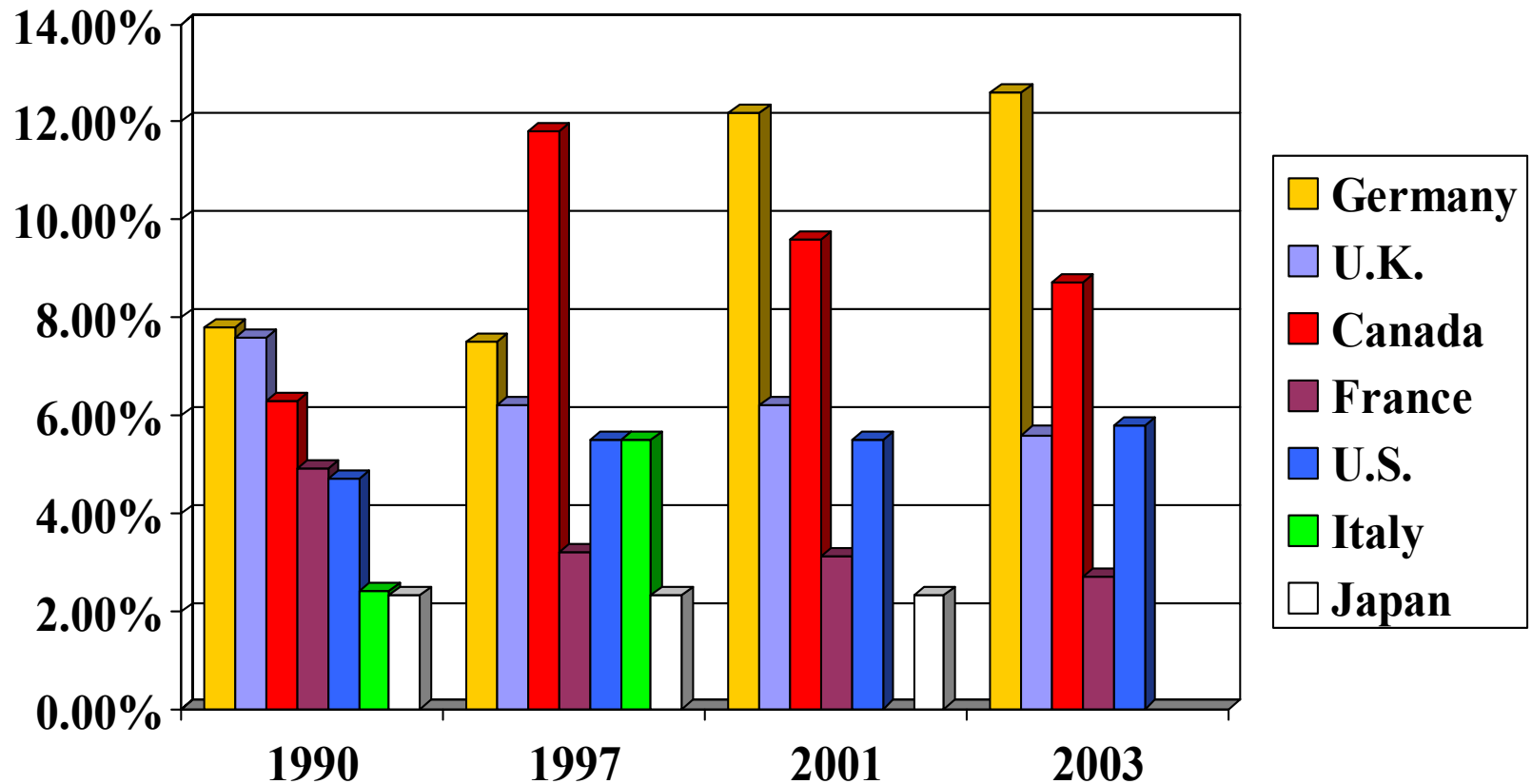
Universities & Innovation Success

- Creative development of new knowledge, ideas, processes, products and methods, and applying them for economic and social benefit.
- Fostering well-educated, directed people, the full range of arts, science and technology, judgement, action, timing and investment.
- Effective knowledge transfer: human, physical and virtual

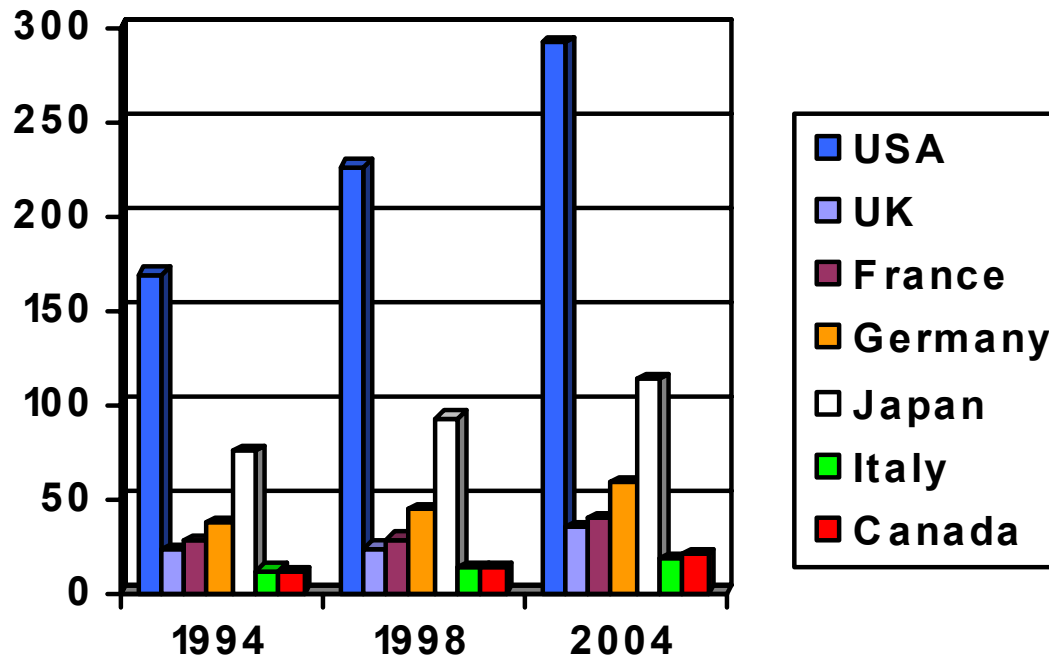
Ingredients of success

- Coherent policy goals
- Competition and collaboration synergies
- Ensure the fundamentals
- Transparent, accountable, competitive research programs
- Internationalize our approach to talent growth
- Strong research – teaching – application interface
- Support for the full range of research disciplines
- Grow public support for PSE and R&D
- Increase productivity of high quality Masters and PhDs

Share of University R&D Funded by Industry, 1990, 1997, 2001, 2003

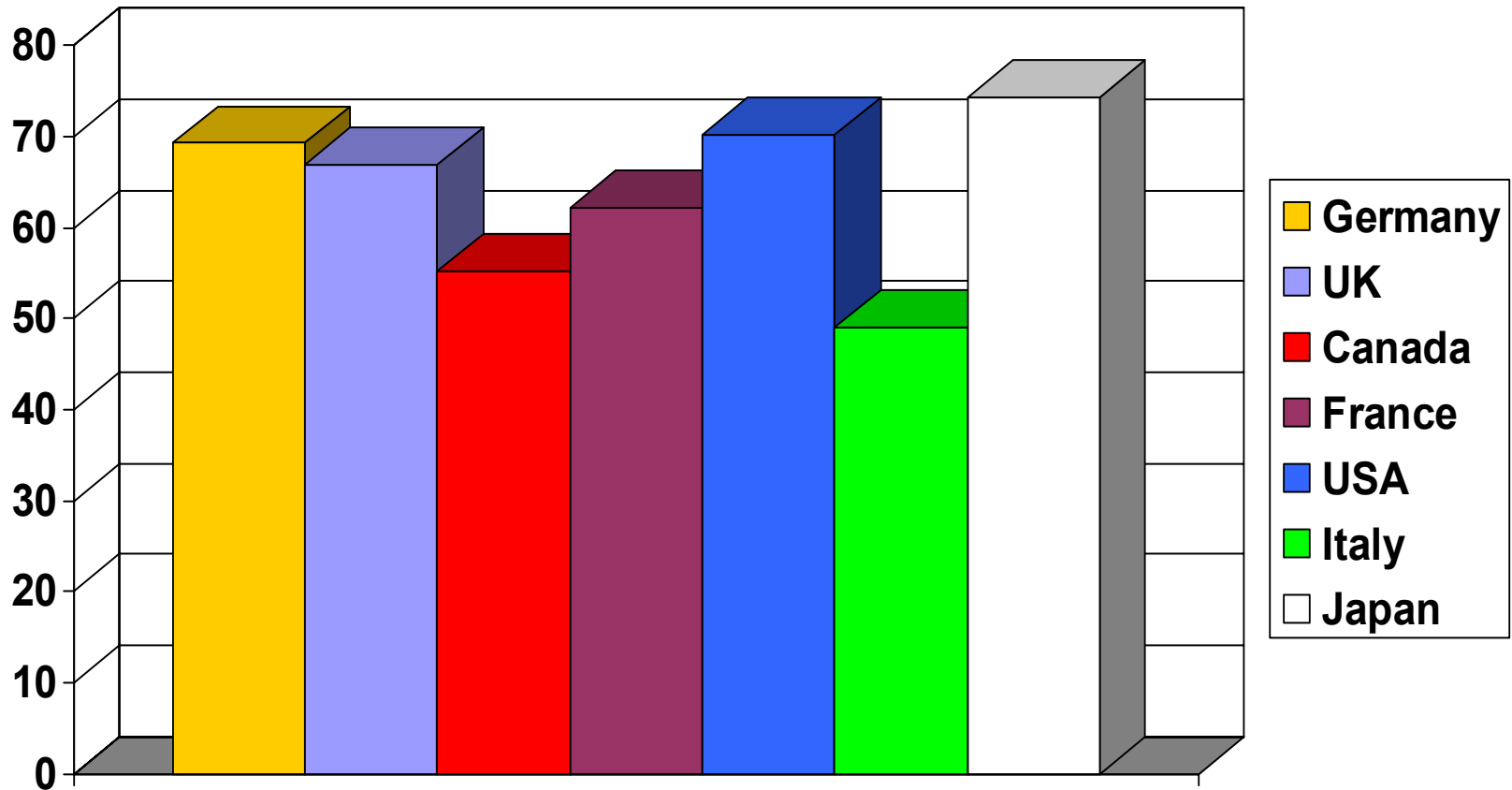


Gross Domestic Expenditure on R&D (GERD) 1994, 1998 & 2004



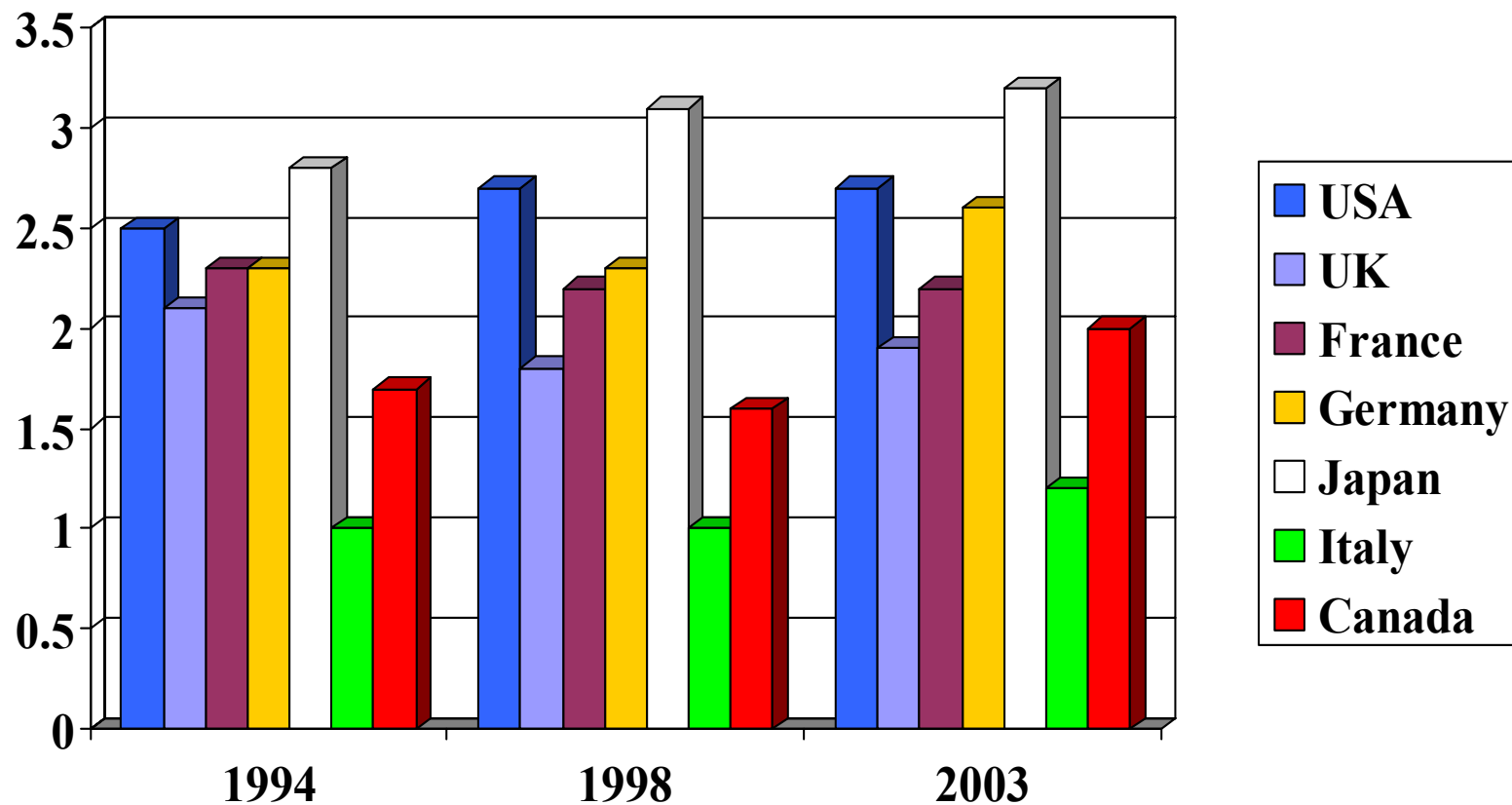
(million current ppp) SourceOECD

Business Expenditures on R&D as Percentage of GERD



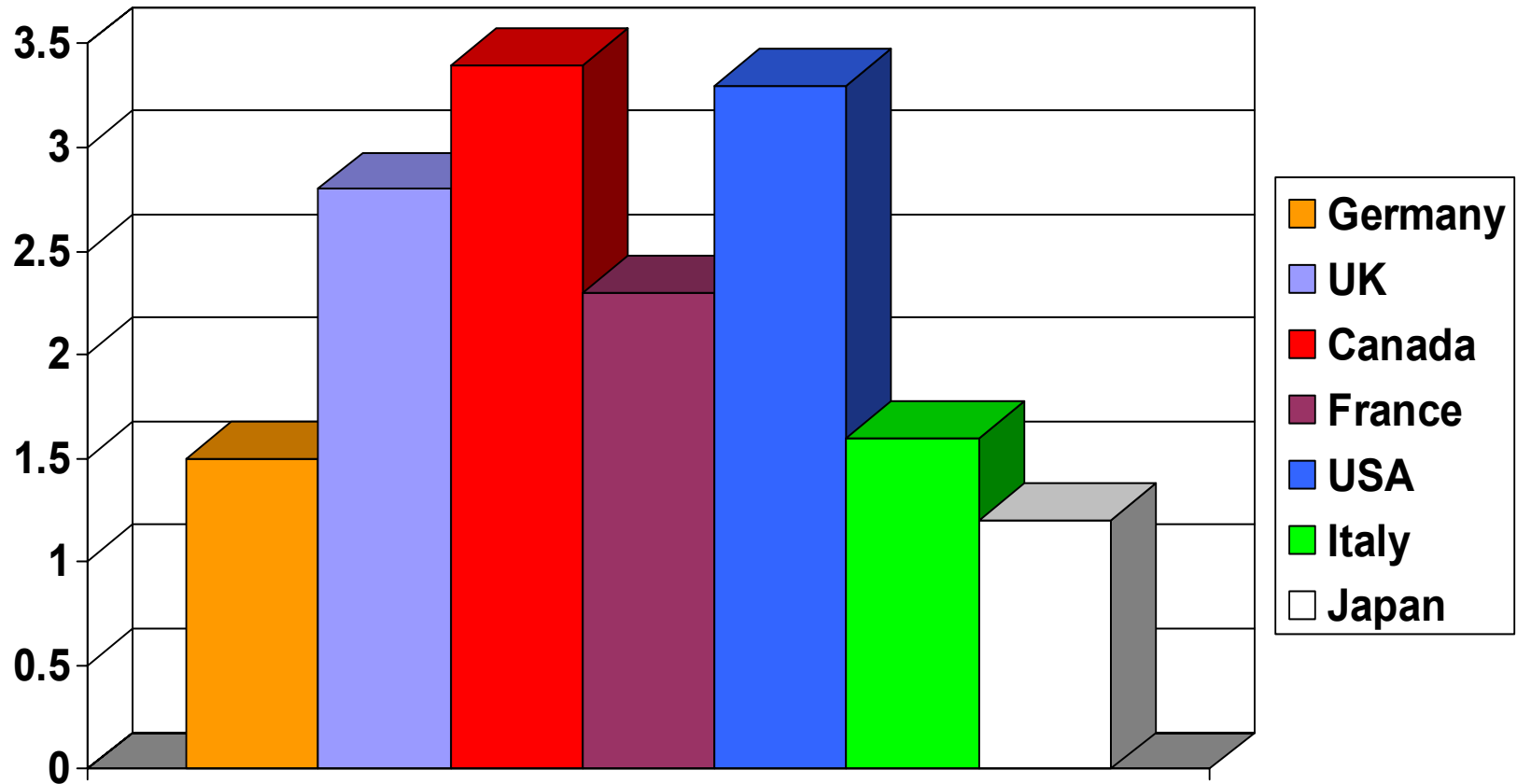
Source OECD, 2002

Gross Domestic Expenditures on R&D (GERD) as a Percentage of GDP



(million current ppp), OECD, 2000

Overall GDP Growth, 1994 - 2004



Source: OECD

The Way Forward

- Coherent national vision based on international standards of excellence and impact
- Productive, competitive federalism
- Sustained public support for growing Canada's research and innovation
- Participation in elite international research networks
- Accountability + transparency on quality indicators
- Access to the very best quality and research-informed learning for academically qualified students
- Progressive tuition policy
- Maximize engagement of talented citizenry