
evidence

Competition and collaboration in global networks of science and innovation

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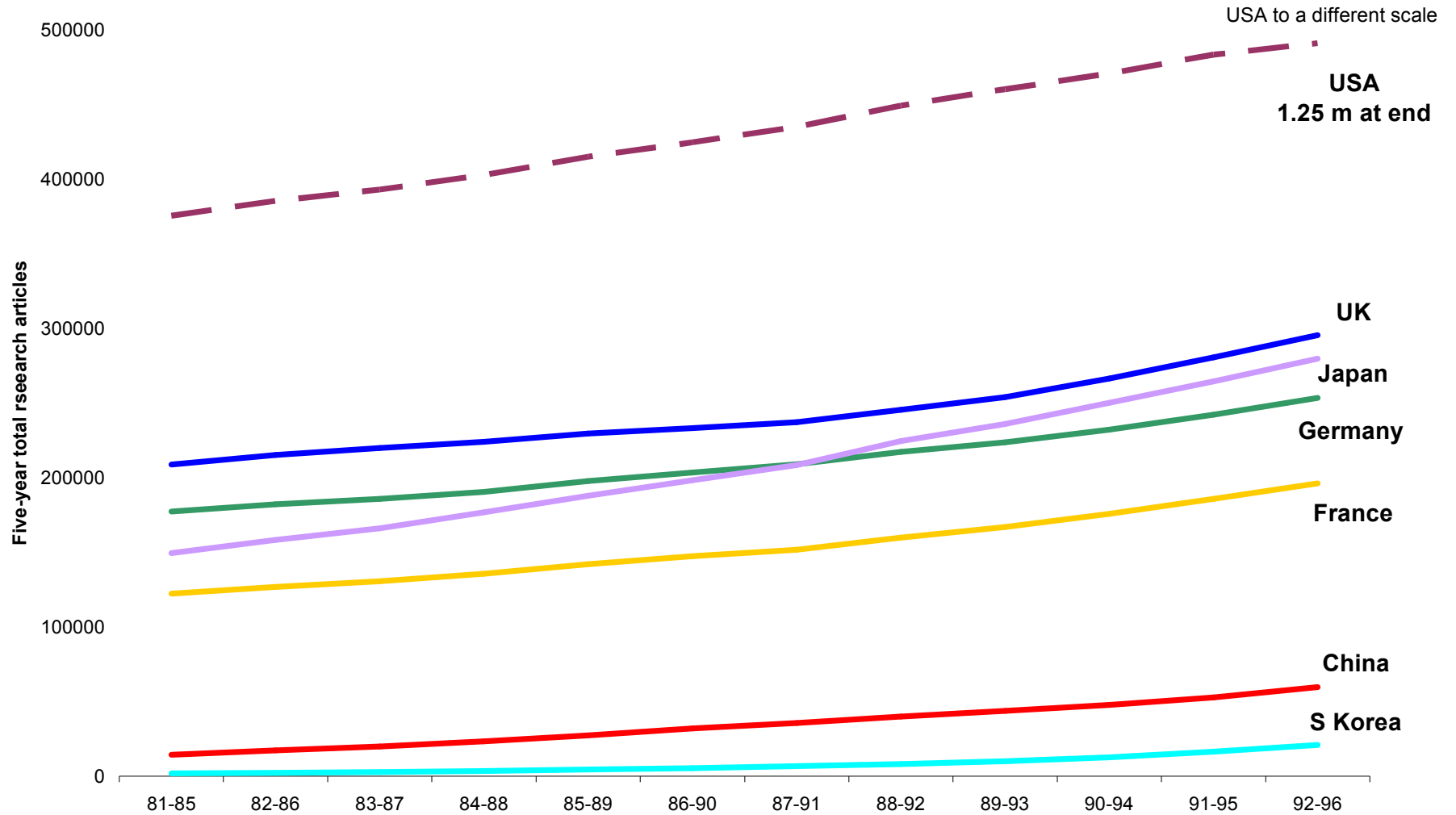
DEMOS conference on 'The Atlas of Ideas'

Background

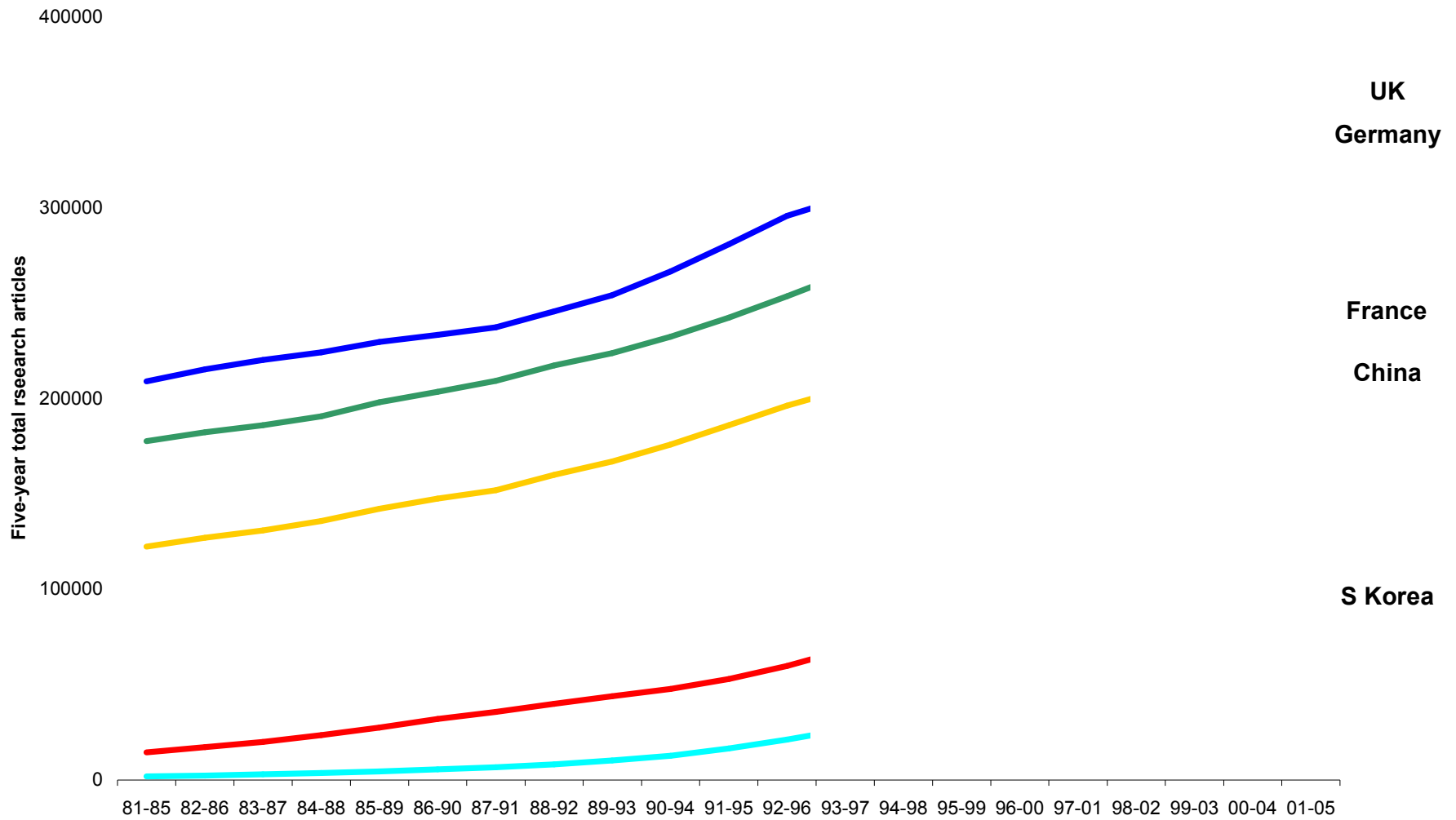
- *Evidence* is a UK company specialising in research performance analysis and interpretation
 - JA has a background in Government and university research policy and management
- We generate reports, services and products for research-based organisations in the UK and Europe
 - We look for innovative analyses and presentations
- Annual report on international target indicators for the UK Office of Science and Technology/Innovation (OSI)

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The world of research once enjoyed certainties and steady, stable growth



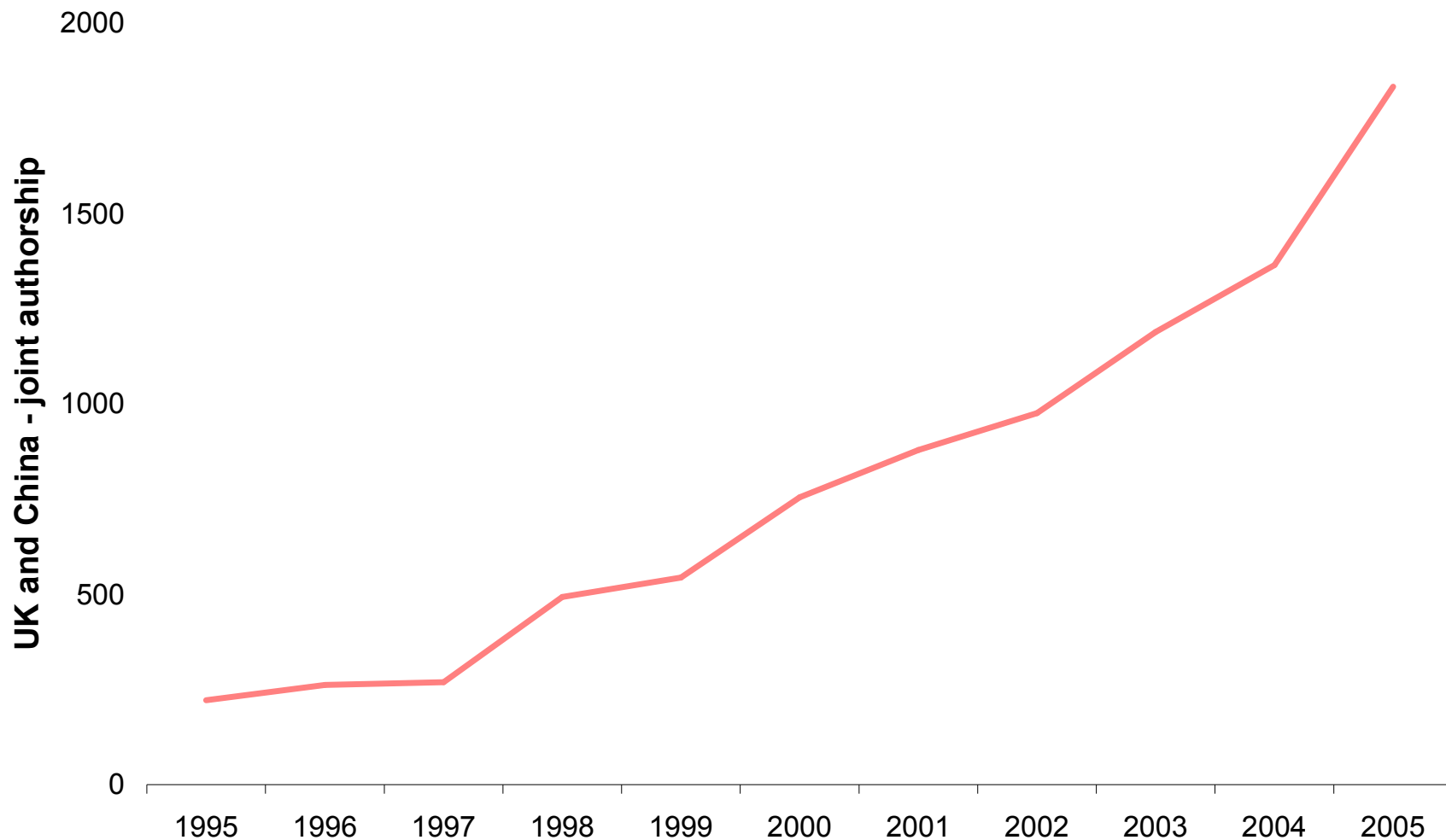
And then



The UK collaborates more every year, and with new partners

	Joint papers 1997		Joint papers 2004	
	Count	% UK	Count	% UK
USA	5824	32.5	10660	31.9
GERMANY	2406	13.4	4831	14.5
FRANCE	1932	10.8	3628	10.9
NETHERLANDS	1255	7.0	2482	7.4
AUSTRALIA	955	5.3	2202	6.6
SWITZERLAND	809	4.5	1582	4.7
P R CHINA	269	1.5	1365	4.1

The pace of collaboration in the 'new geography' is increasing



Collaboration

- Research collaboration is growing at all levels
 - It offers access to greater intellectual and physical resources
 - It brings multiple viewpoints to bear on a challenge
 - It enables parallel research lines to address large, complex challenges
 - It supports interdisciplinary problem solving
- We do not have a clear picture of how much, in what subjects, between which partners and why it works
- The mechanisms to support international collaboration are complex and divided, and need to be improved
 - Can we scale up levels of collaboration and ensure strong links?
- There is talk in Europe and the US about the growing R&D ‘threat’ of China and India
 - What about the benefits that can flow to all sides?
- Today’s speakers help us to address these issues