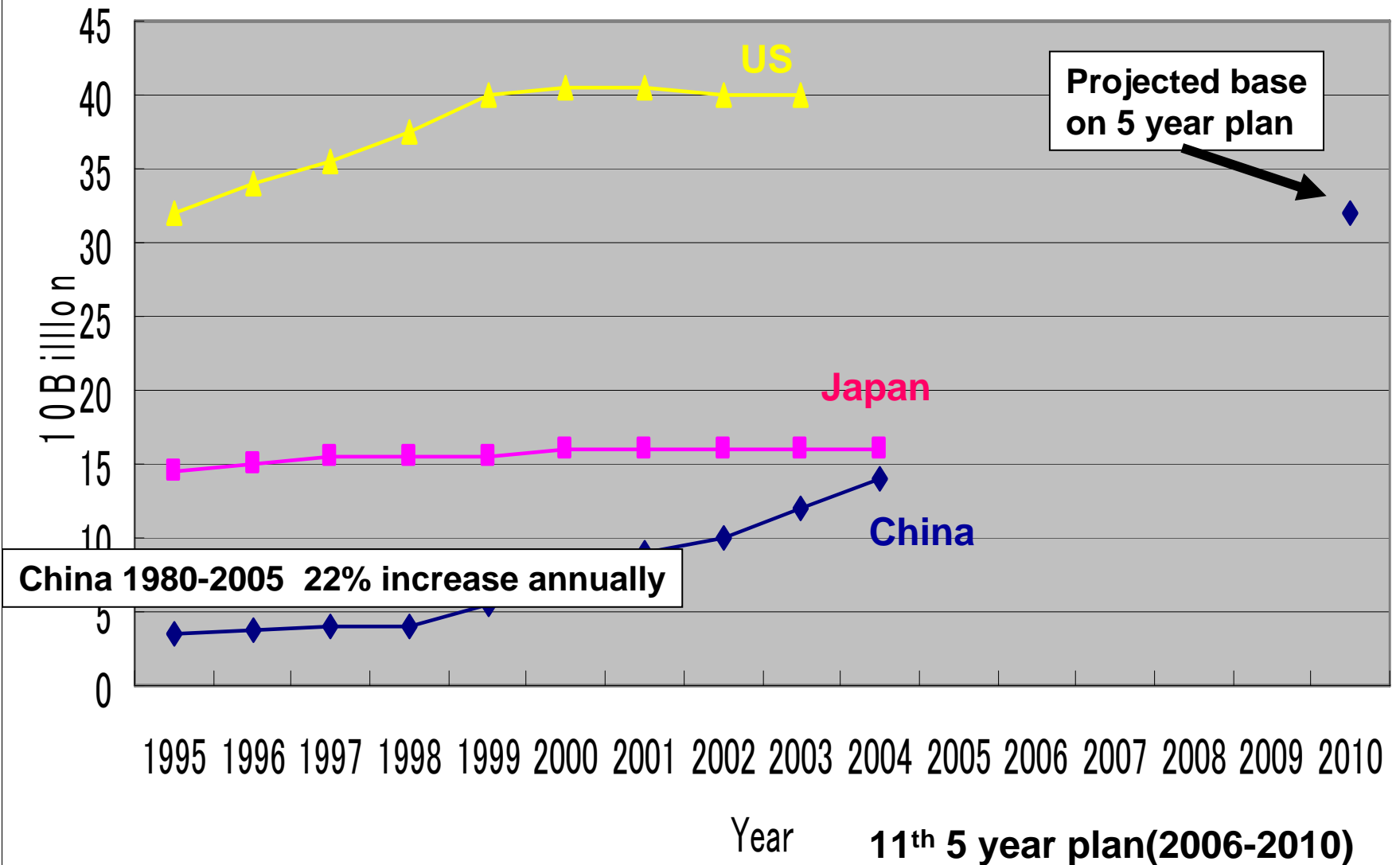


Ambivalences

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S & T Funding



SCI title articles

US – Japan – UK – Germany – China -...

- China

– 1999	24000
– 2000	29000
– 2001	31000
– 2002	38000
– 2003	45000
– 2004	53000

- Researchers

– US	1.26M
– EU	0.97M
– China	0.80M
– Japan	0.61M
– UK/Germany/France	
	between 0.1-0.2M

Strategy for Chinese Science and Technology Development

presented by Chinese Academy of Science

- Social growth: Economy development-
National security-sustainable developmen
of the society
- Structure: government-national research
institutions-research universities-R&D in
enterprises
- Goals: Stated in terms of size of funding –
research impact(citation and patent) –
intellectual independence

(Western?) Libraries,

- Beware!
 - Publishers now have better reasons for increase of the volume of research results to be published
 - Similar things will follow in other countries, like India, Brazil, ...
 - You can't blame them because they(=we) are following you believing S&T makes your country stronger, well, not for advancement of knowledge
 - China's information is controlled by the government
 - China's currency situation is hard to predict(Nominal:PPP = 1:4 as of 2010?), and maybe shakey

Publishers and so ons,

- Science in Asia is not for humankind but for nations
 - Hence certain protections justified
 - Language barrier is no longer a good excuse
 - Scientists are basically government certified elites
- That is why import, and not export or sharing – English will stay a problem
- Open access country – lots of conferences

Japanese colleagues,

- You are in an awkward position
 - Between declining West and rising Asia
 - No longer innocently trusting the value of growth
 - World No 2 producer of science now
 - World No 2 consumer of science
 - Japanese societies rescuing rejected papers by the most prestigious journals from Western publishers
 - China is catching up with Japan soon and they are foreign ...

Why am I ambivalent?

- China seems to be following the same path as Japan has followed in the past 30 years, and actually overtaking us
- Or the road of successful modernization in the past 150 years of Japan in 30 years
- Will have to pay for China-originating scientific results
- Can not resist, given the different populations