

Doctoral Programs in the U.S. Wake Up to the New Reality

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Wake Up Panel on Doctoral Programmes
in Light of World Wide Competition

Doctoral Programs for the European
Knowledge Society

Salzburg, February 5, 2004

Key Features of the New Reality

- Globalization of Graduate Education Marketplace
- Recognition of Limited Supply of U.S. Talent in S&T
- Increased Demand for Graduate Programs to Prepare Students for Jobs They Get

Talent Market Is Global

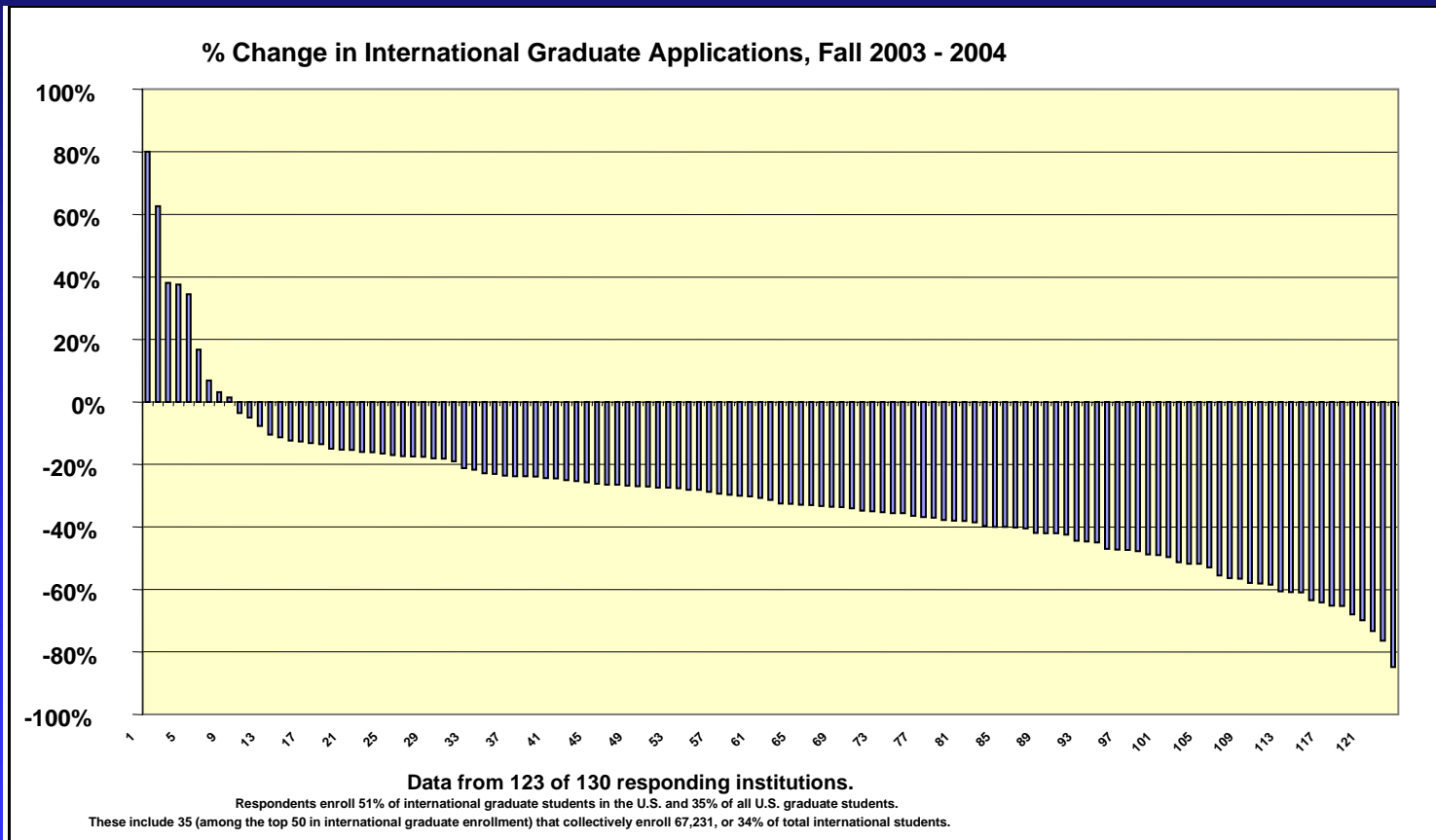
Past

- Oversupply of international applicants
- US chose who would stay

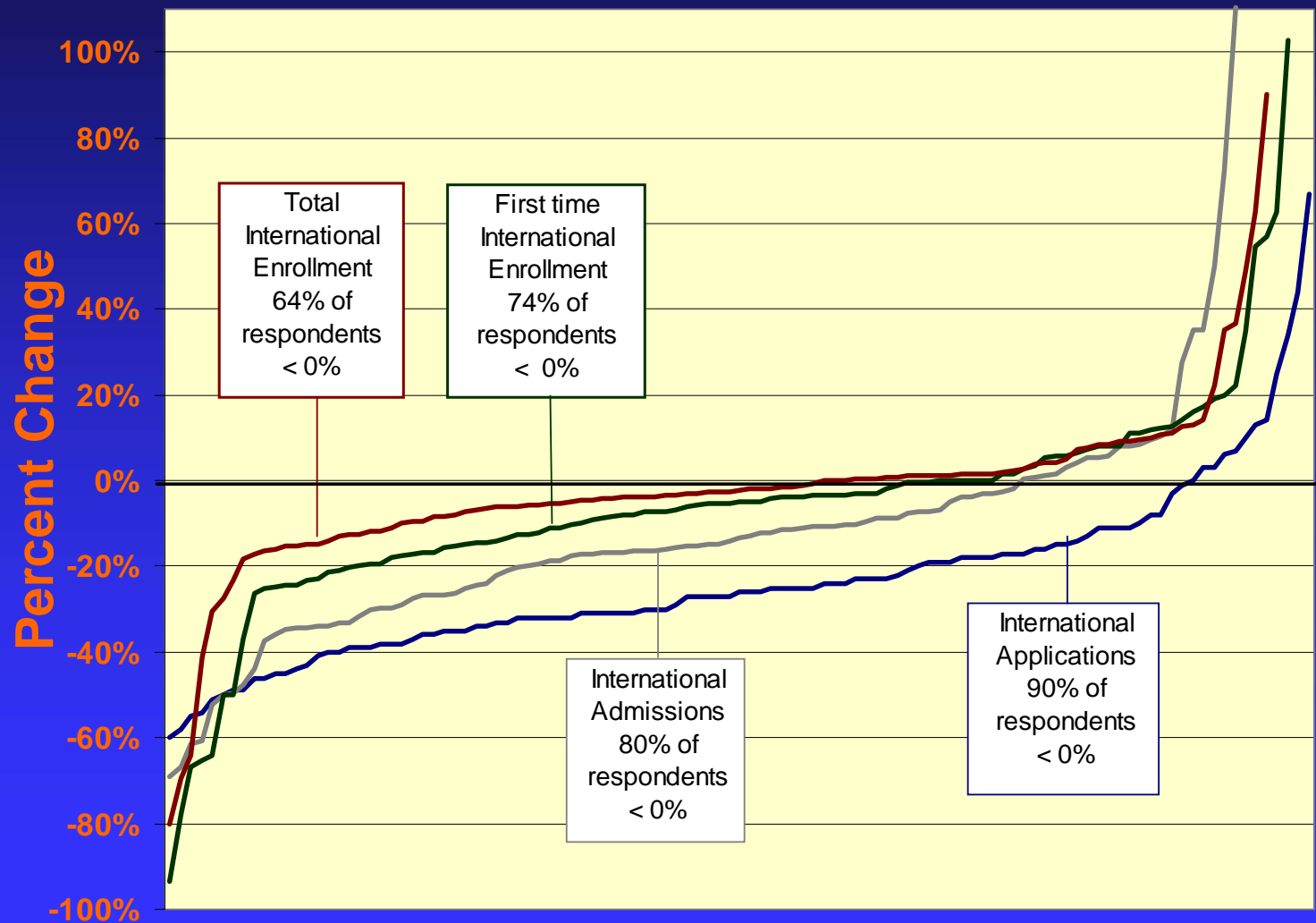
Future

- US competes globally for students and S&T talent
- Students have strong options globally

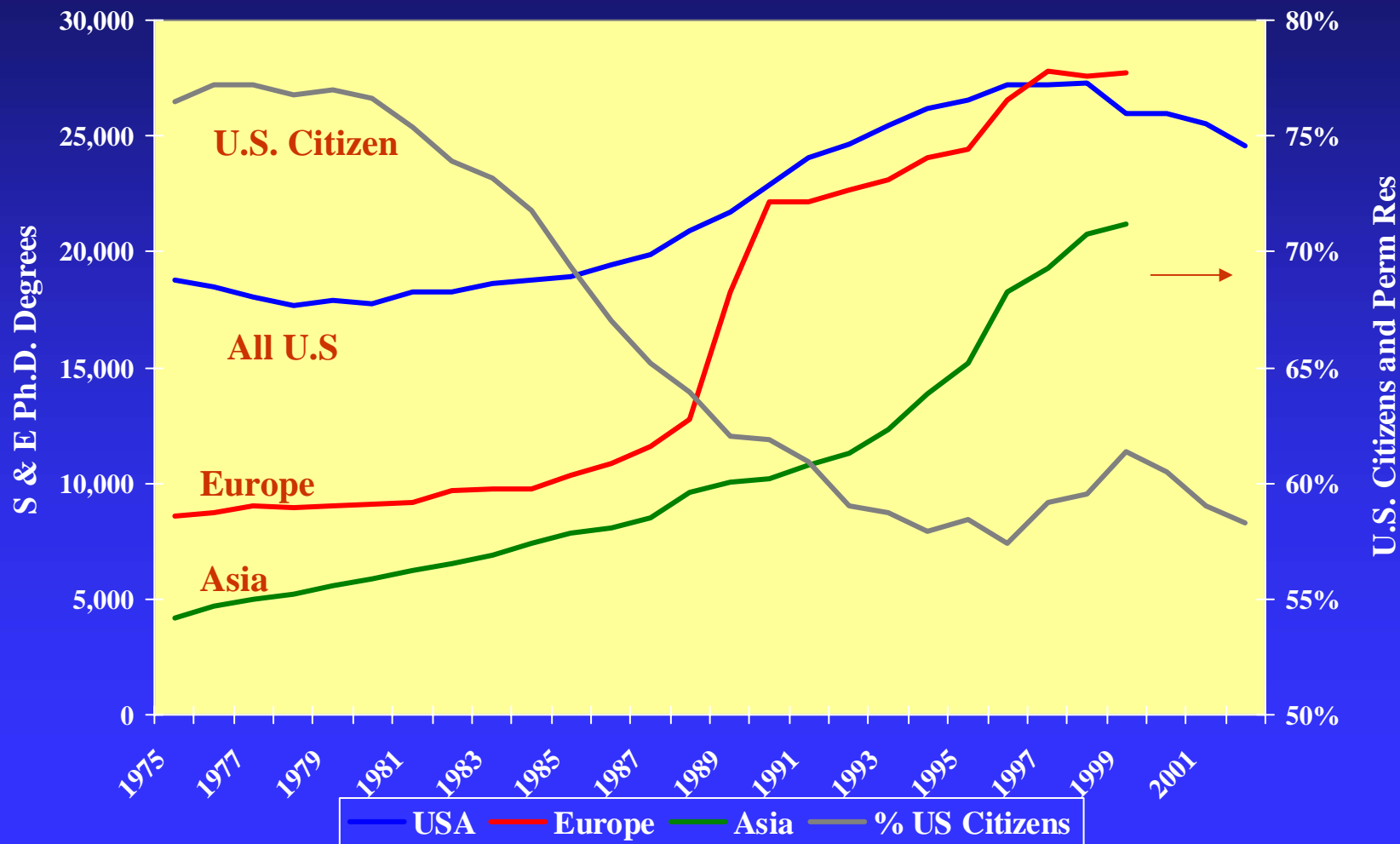
CGS Survey of International Graduate Applications



CGS Survey of International Graduate Admissions, 2003-2004



Doctoral S&E Degrees by World Region



Students and Employers Demand Doctoral Programs Prepare Students for Jobs They Get and the Careers They Follow

- Deep preparation in content knowledge is essential and well done but . . .
- Need better information and direction about careers (students)
- Need better training in workplace skills (employers)

U.S. Graduate Schools Respond to the New Reality in Doctoral Education—A Quiet Revolution!

- Enhanced outreach to international students
- Generic skills training
- Interdisciplinary doctoral programs
- Tracking Ph.D. completion and time-to-degree
- Emphasis on degree program transparency
- Career guidance—in academy and BGN sector
- All the while maintain highest doctoral quality

For U.S. to Remain Highly
Competitive in Doctoral
Education the Quiet Revolution
Must Succeed!