



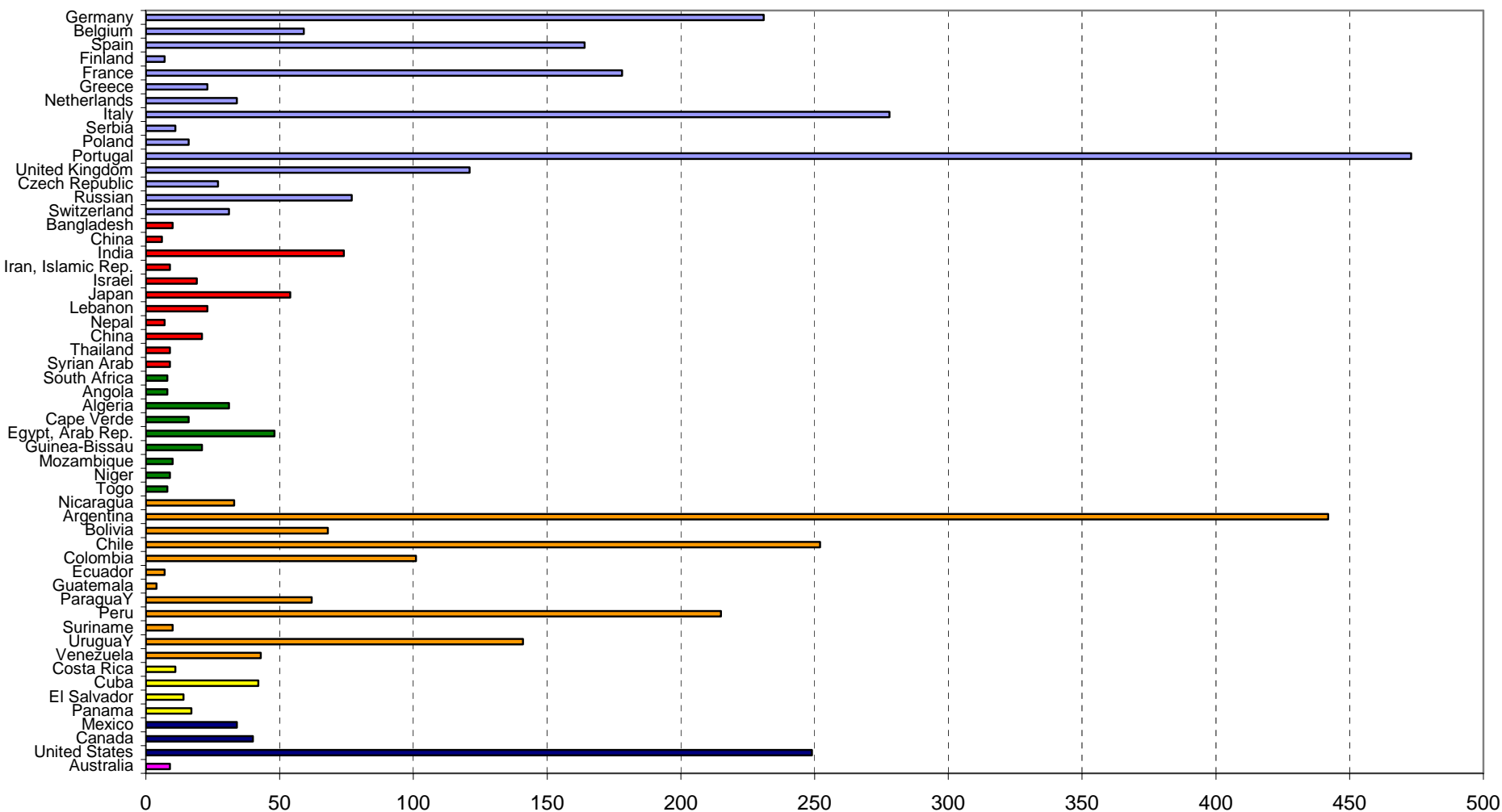
ACADEMIA
BRASILEIRA
DE CIÊNCIAS

Brain circulation: the Brazilian experience in creating mechanisms to attract and retain high level talents

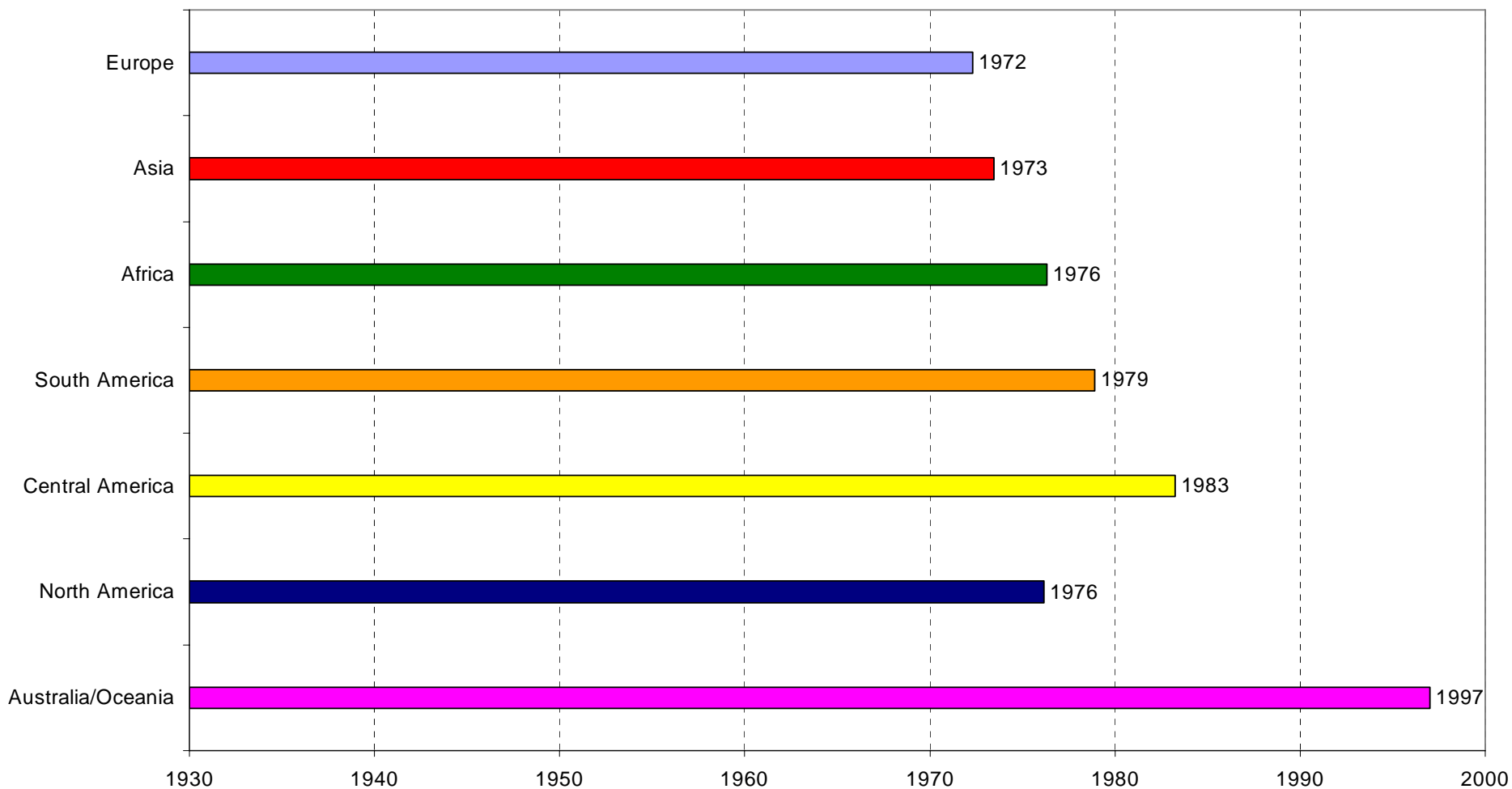
Jacob Palis Júnior

President – Brazilian Academy of Sciences

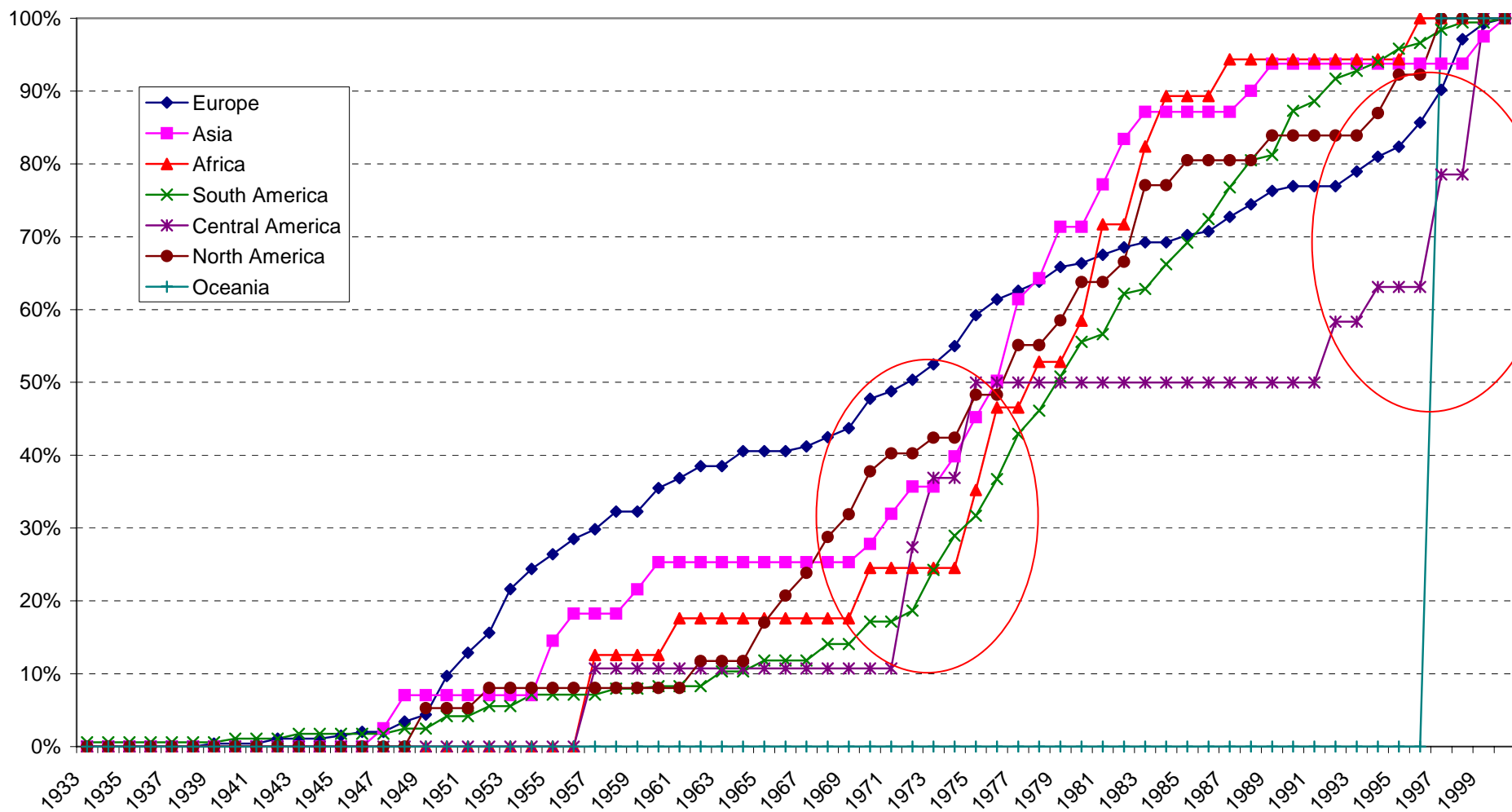
FOREIGN UNIVERSITY PROFESSORS TEACHING IN BRAZILIAN UNIVERSITIES



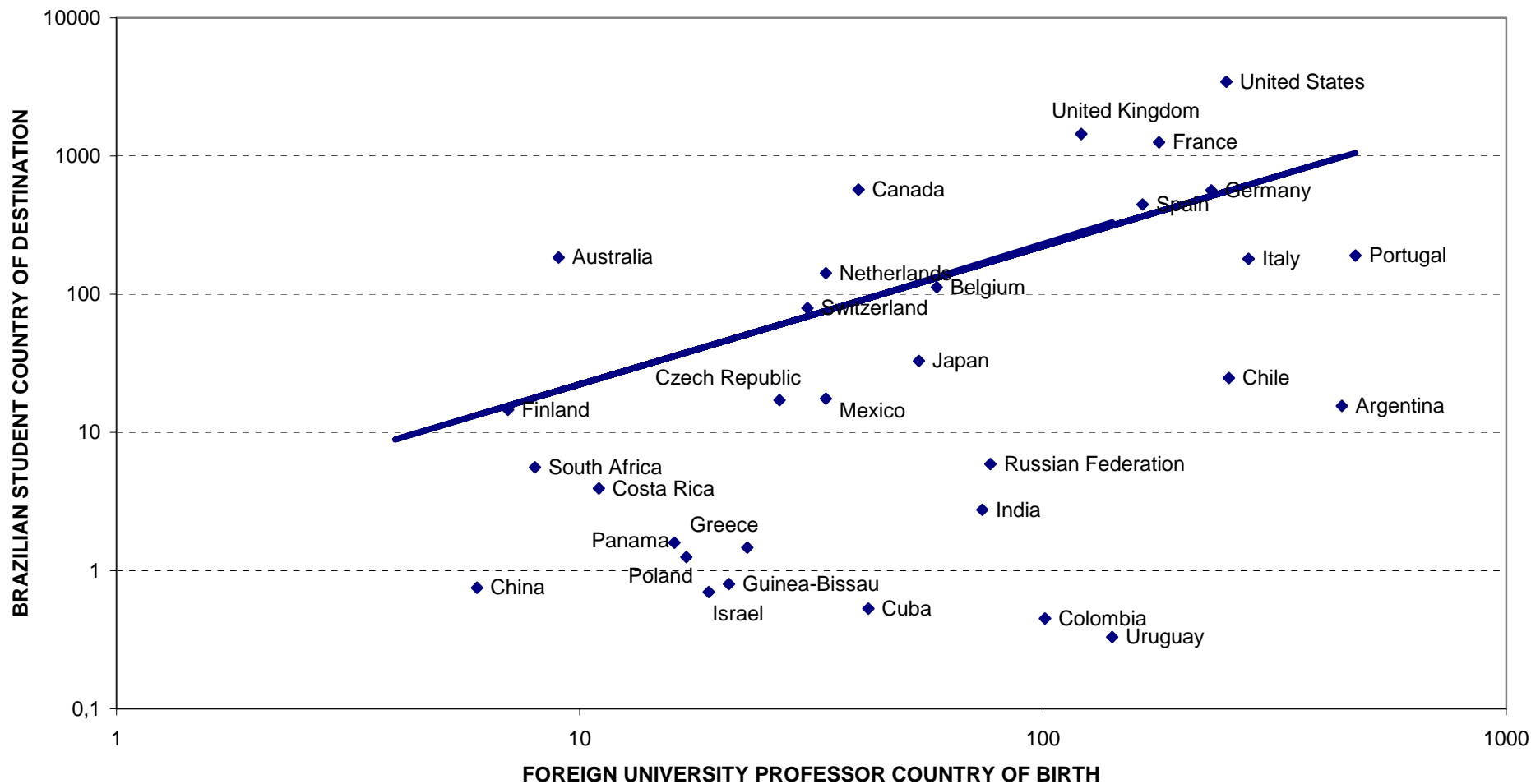
**AVERAGE YEAR OF ARRIVAL OF FOREIGN PROFESSORS IN BRAZILIAN UNIVERSITIES BY
CONTINENT OF BIRTH**



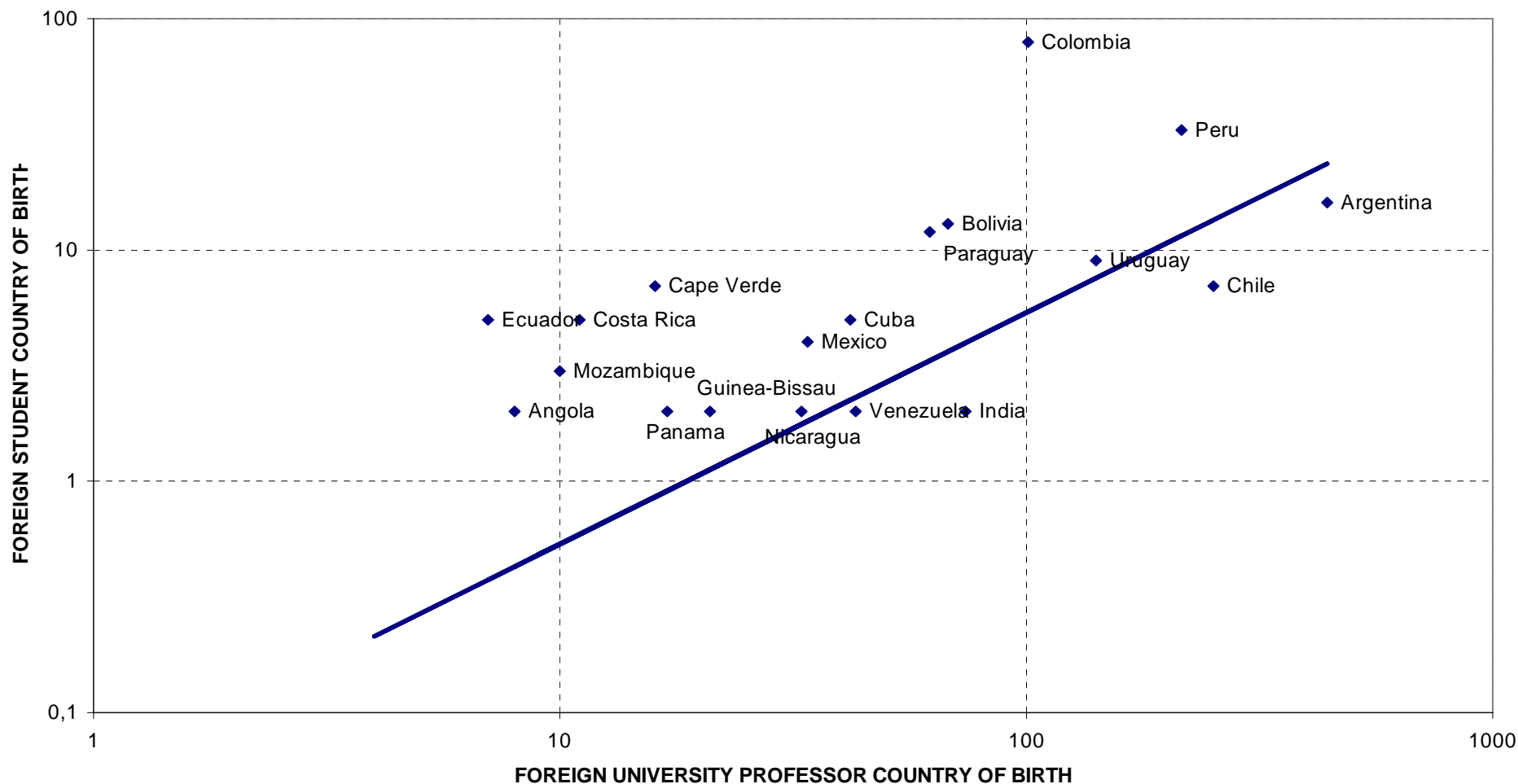
CUMULATIVE DISTRIBUTION OF FOREIGN BORN PROFESSORS BY YEAR OF ARRIVAL IN BRAZIL ACCORDING TO CONTINENT OF BIRTH



FOREIGN UNIVERSITY PROFESSOR COUNTRY OF BIRTH (2000 CENSUS) VERSUS BRAZILIAN STUDENT COUNTRY OF DESTINATION (1996/2008 SCHOLARSHIP)



FOREIGN UNIVERSITY PROFESSOR COUNTRY OF BIRTH (2000 CENSUS) VERSUS FOREIGN STUDENT WITH BRAZILAIN FELLOWSHIPS COUNTRY OF BIRTH (2008 ROUND)

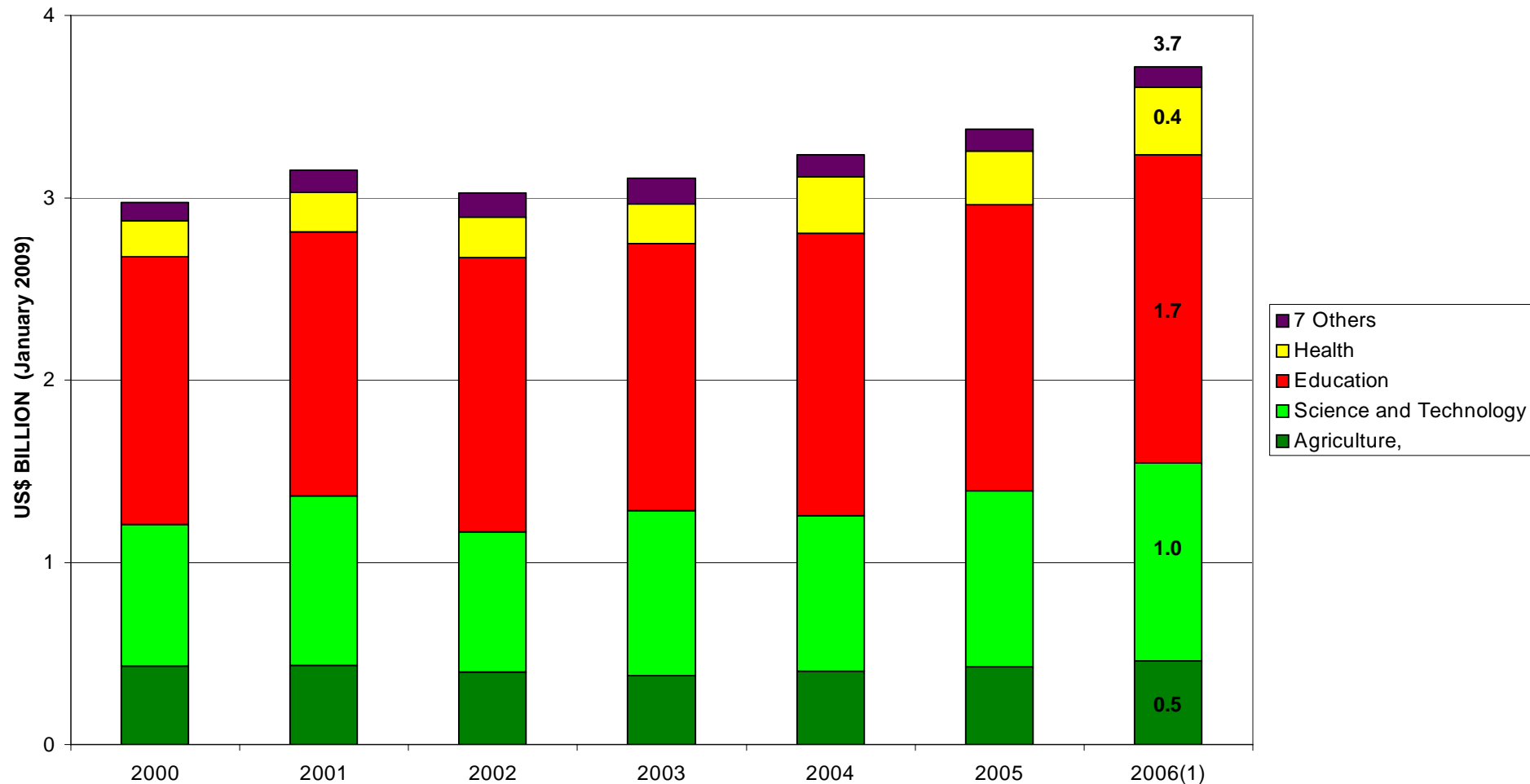


Strategies

- Stimulate research through government grants for projects
- Stimulate research through government grants for individual researchers (including research productivity)
- Create Fellowships to attract and retain recently graduated Ph.Ds.
- Expand Human Resources through scholarships to graduate students
- Expand Human Resources through scholarships to undergraduate students
- Create High Quality Graduate Programs
- Special Focus on less-privileged regions in Brazil, namely the Amazon Region, the Northeast and the Mid-West

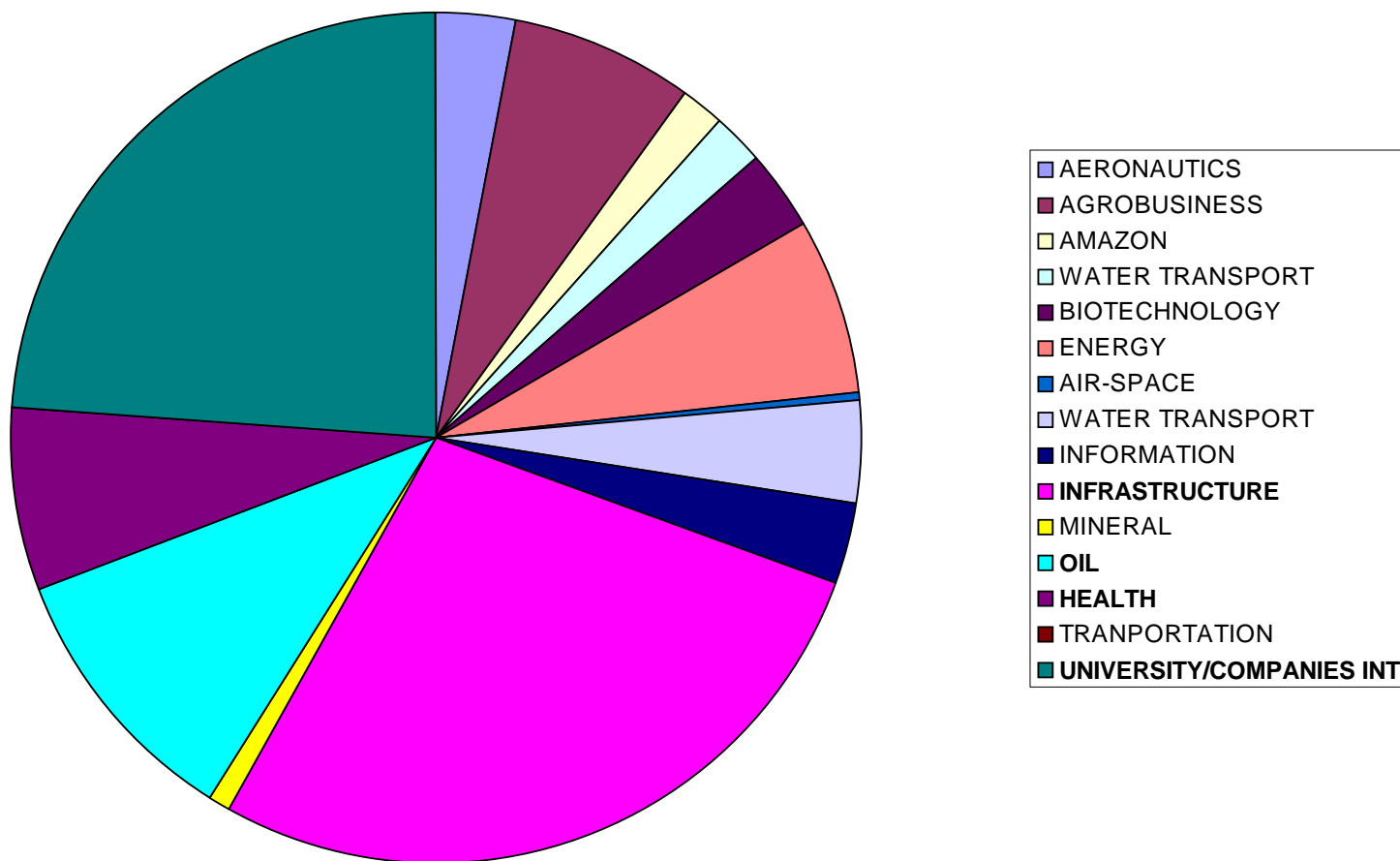
Stimulate Research Through Government Grants for Projects

**GOVERNMENT INVESTMENTS IN SCIENCE AND TECHNOLOGY (INCLUDES EXPENDITURES OF
FEDERAL INSTITUTIONS WITH GRADUATE PROGRAMS) BY MINISTRY**



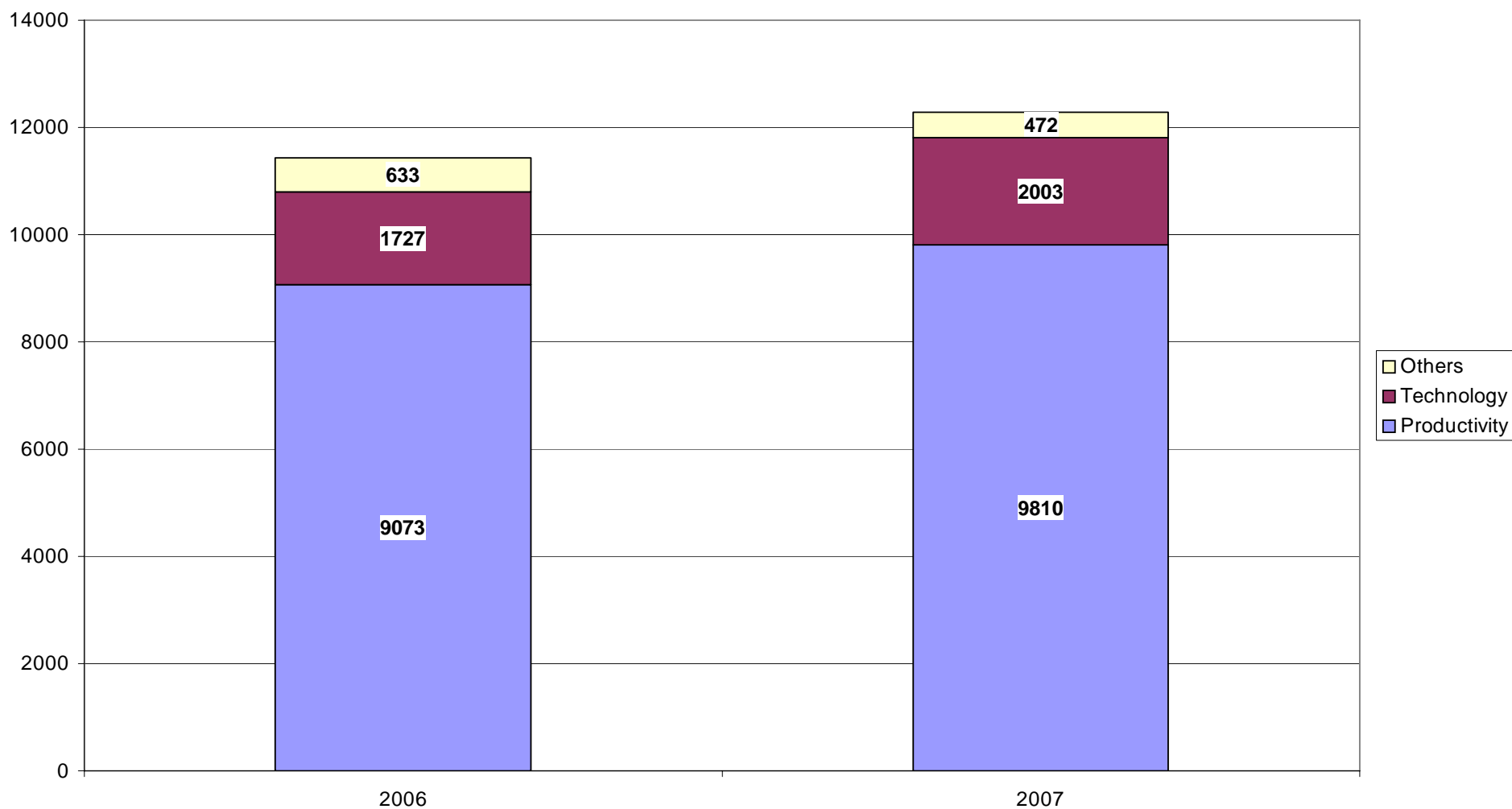
Stimulate Research Through Government Grants for Projects

SECTORIAL FUNDS ALLOCATION - 2008



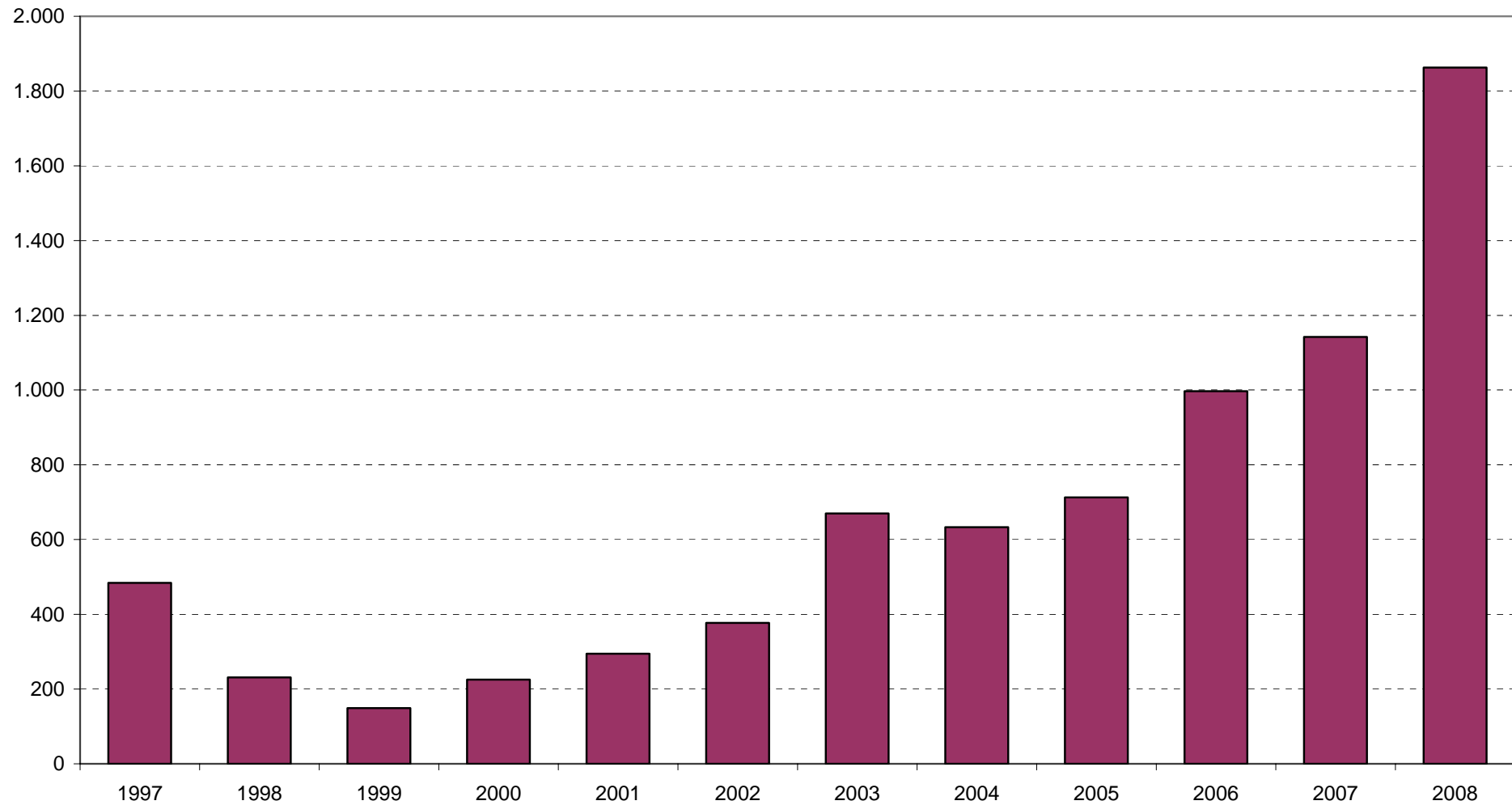
Stimulate research through government grants for individual researchers (including research productivity)

FELLOWSHIPS TO SCHOLARS IN ORDER TO STIMULATE RESEARCH



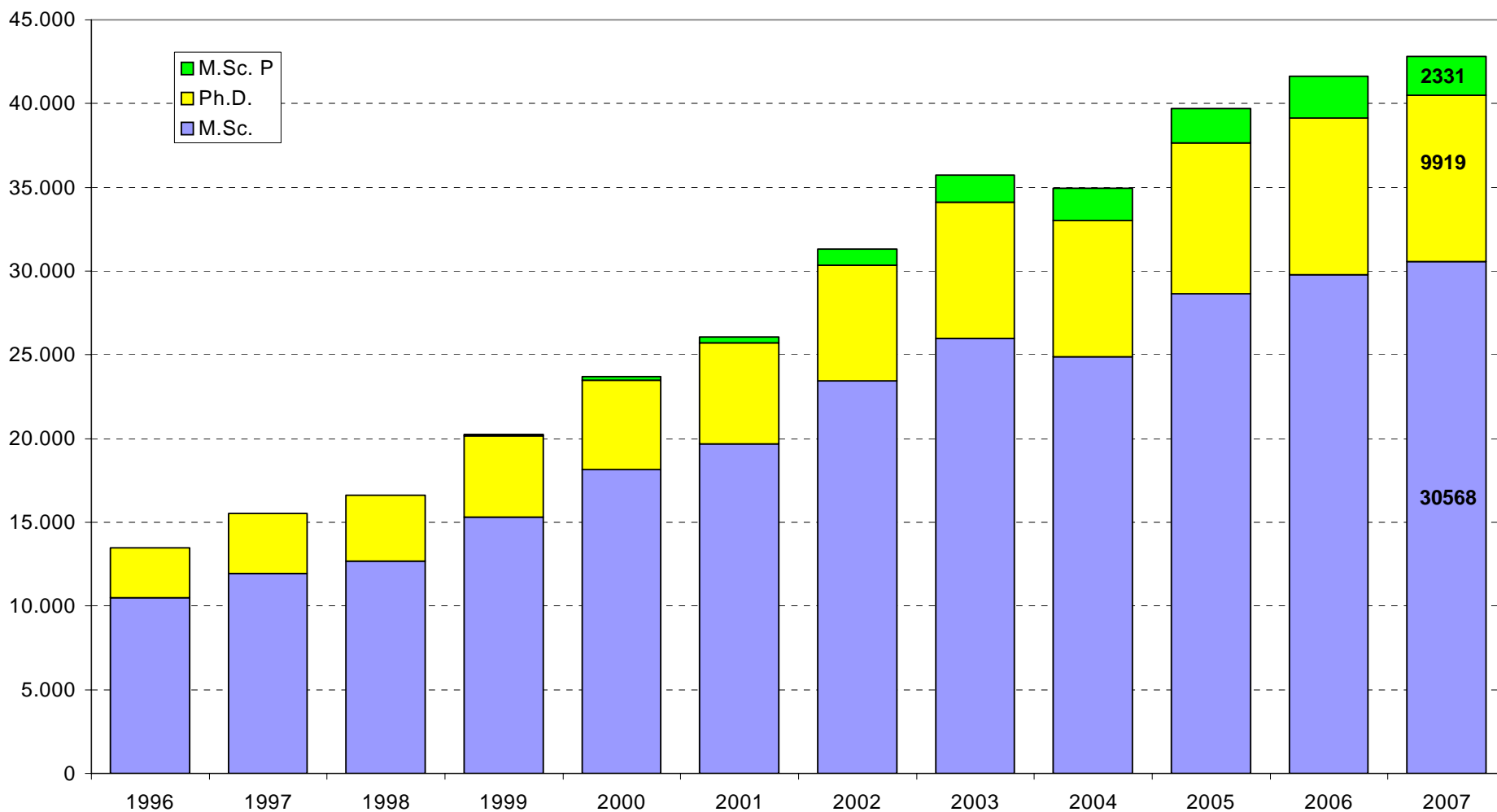
Create Fellowships to attract and retain recently graduated Ph.D.

FELOWSHIP FOR YOUNG SCHOLARS (CNPq+CAPES) PARTICIPATING IN DOMESTIC PROGRAMS



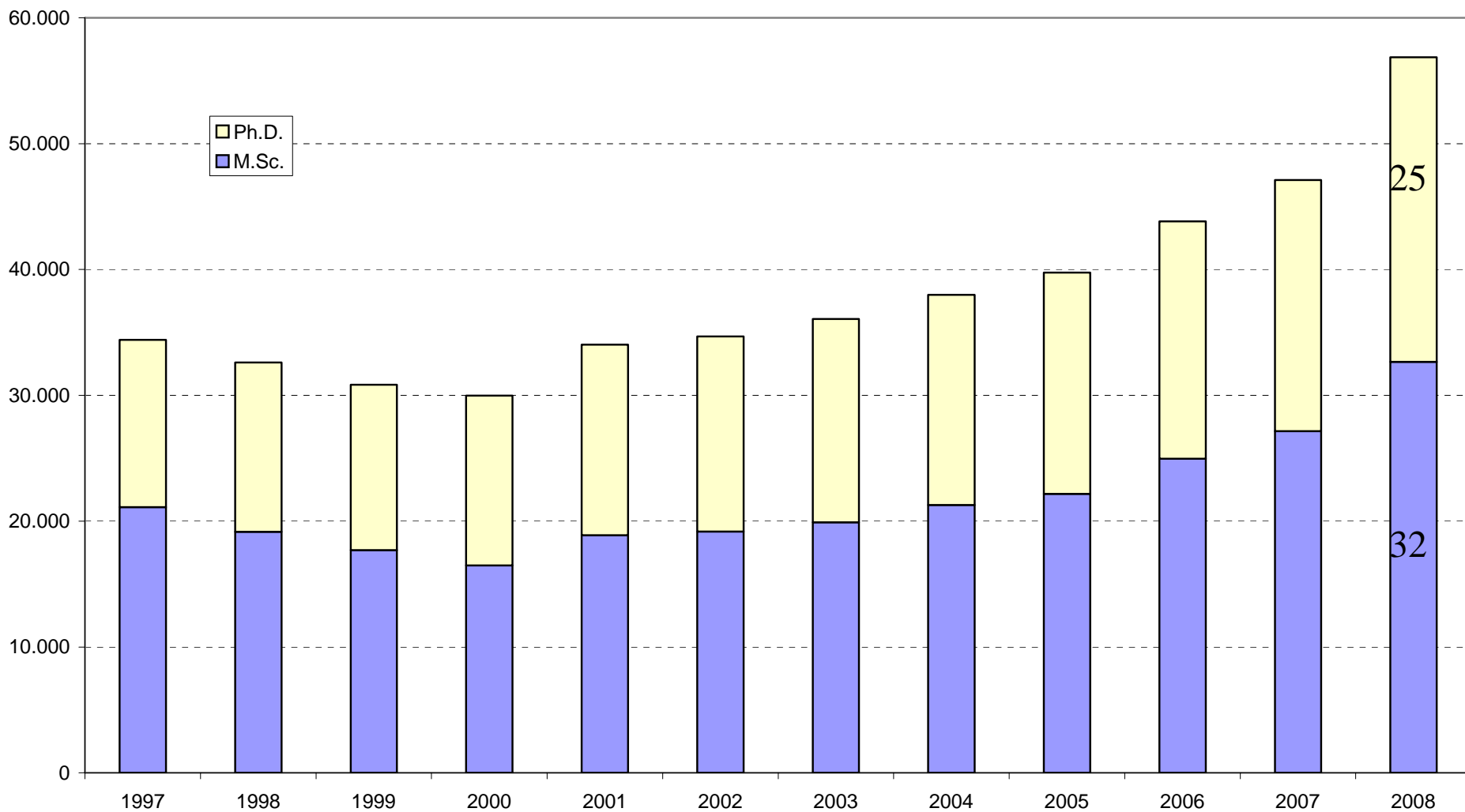
Expand Human Resources through scholarships to graduate students (1)

GRADUATE STUDENTS RECEIVING DIPLOMAS - Brazil - 1996/2007



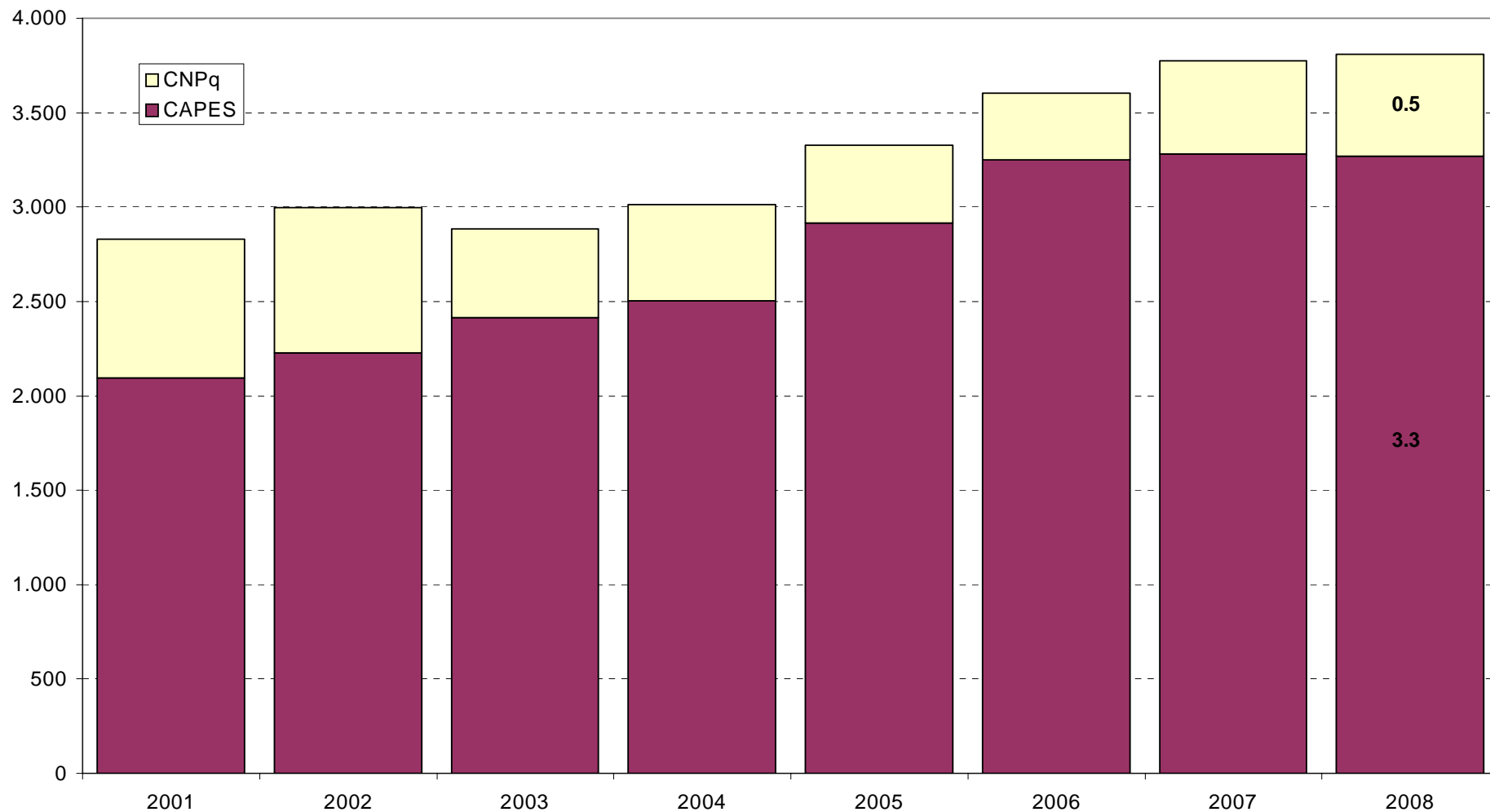
Expand Human Resources through scholarships to graduate students (2)

SCHOLARSHIP FOR GRADUATE STUDENTS (CNPq+CAPES) ENROLLED IN DOMESTIC PROGRAMS



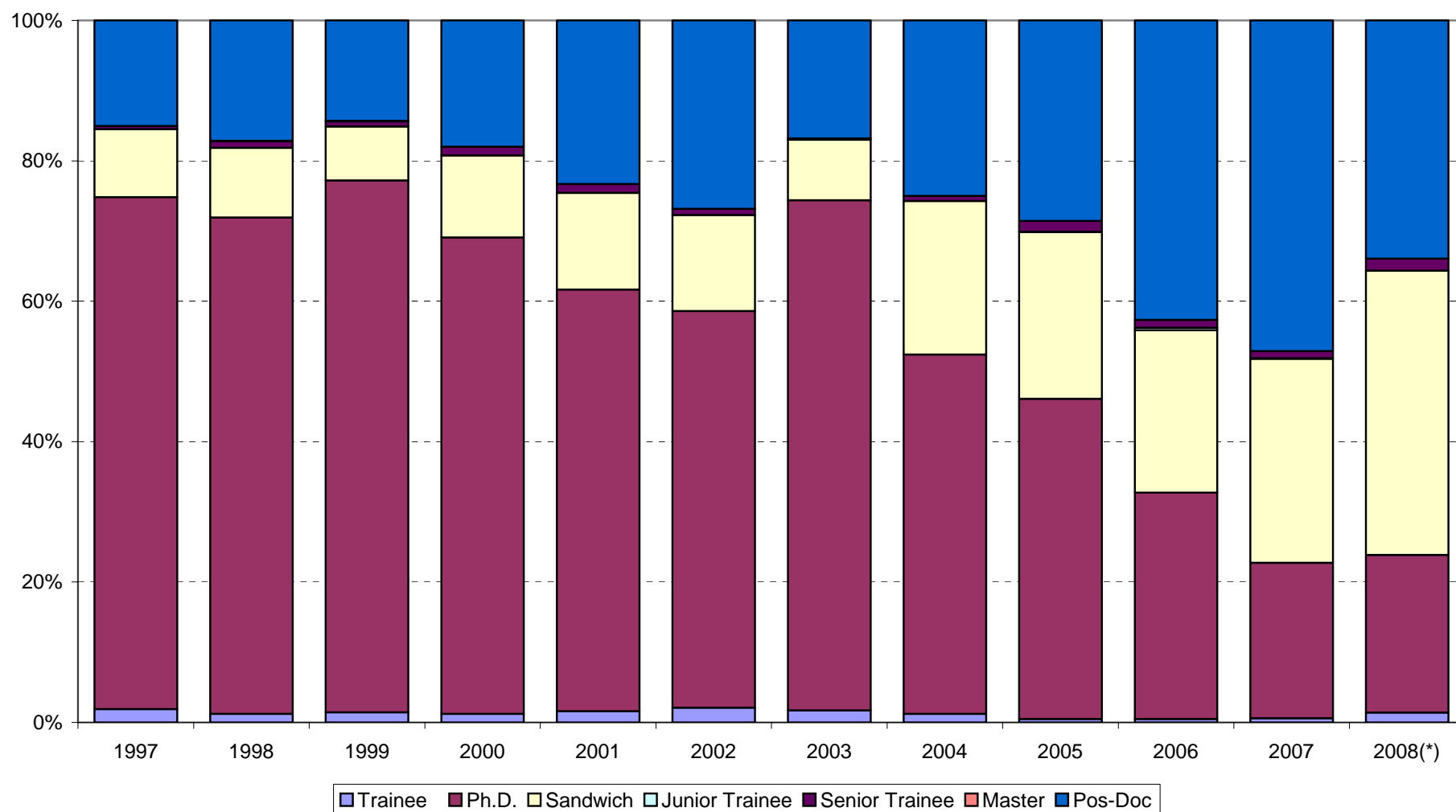
Expand Human Resources through scholarships to graduate students (3)

SCHOLARSHIP TO BRAZILIAN GRADUATE STUDENTS ABROAD BY INSTITUTION



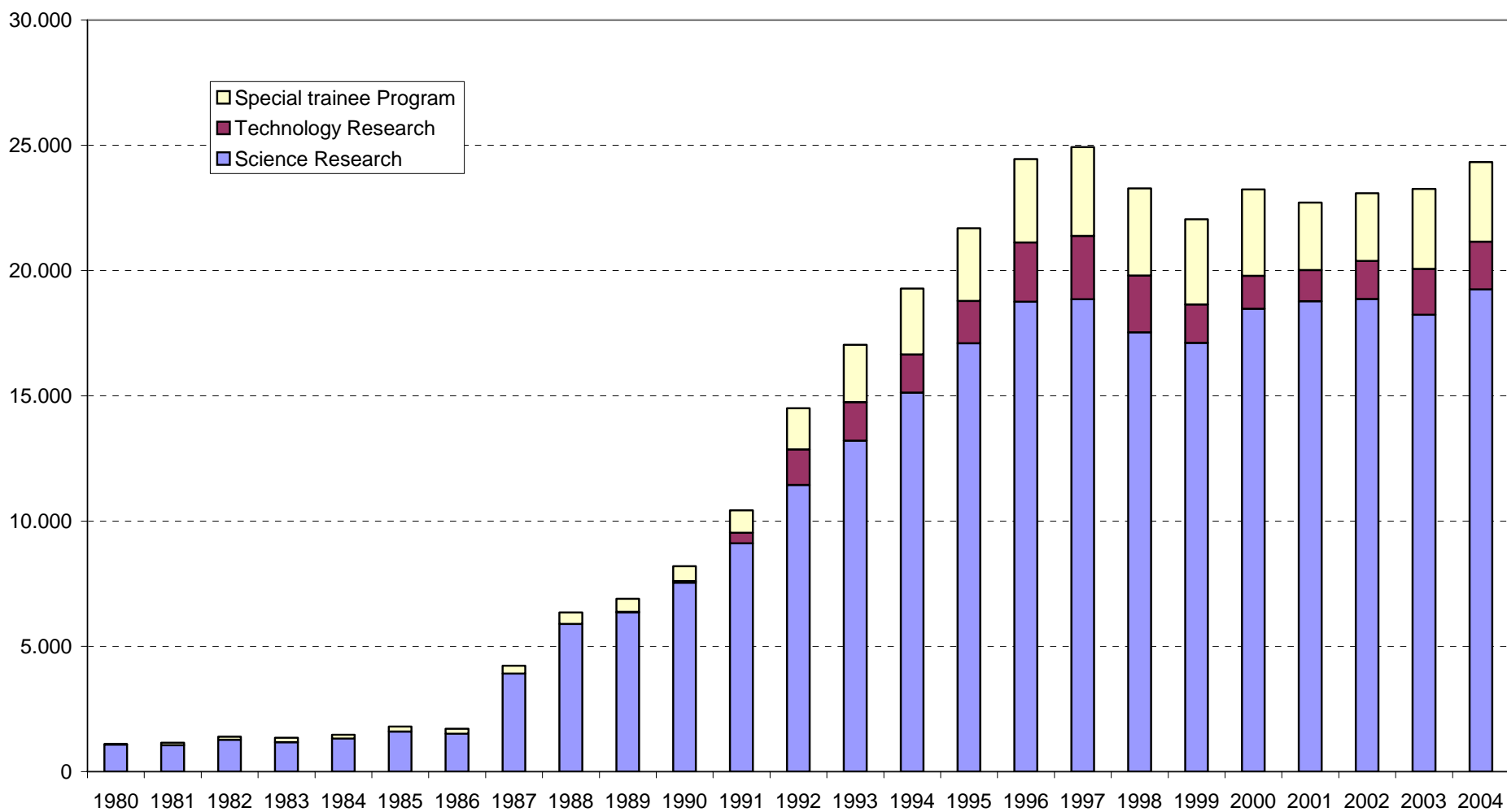
Expand Human Resources through scholarships to graduate students (4)

DISTRIBUTION OF SCHOLARSHIP OVERSEAS BY TYPE - CNPq - 1997/2008



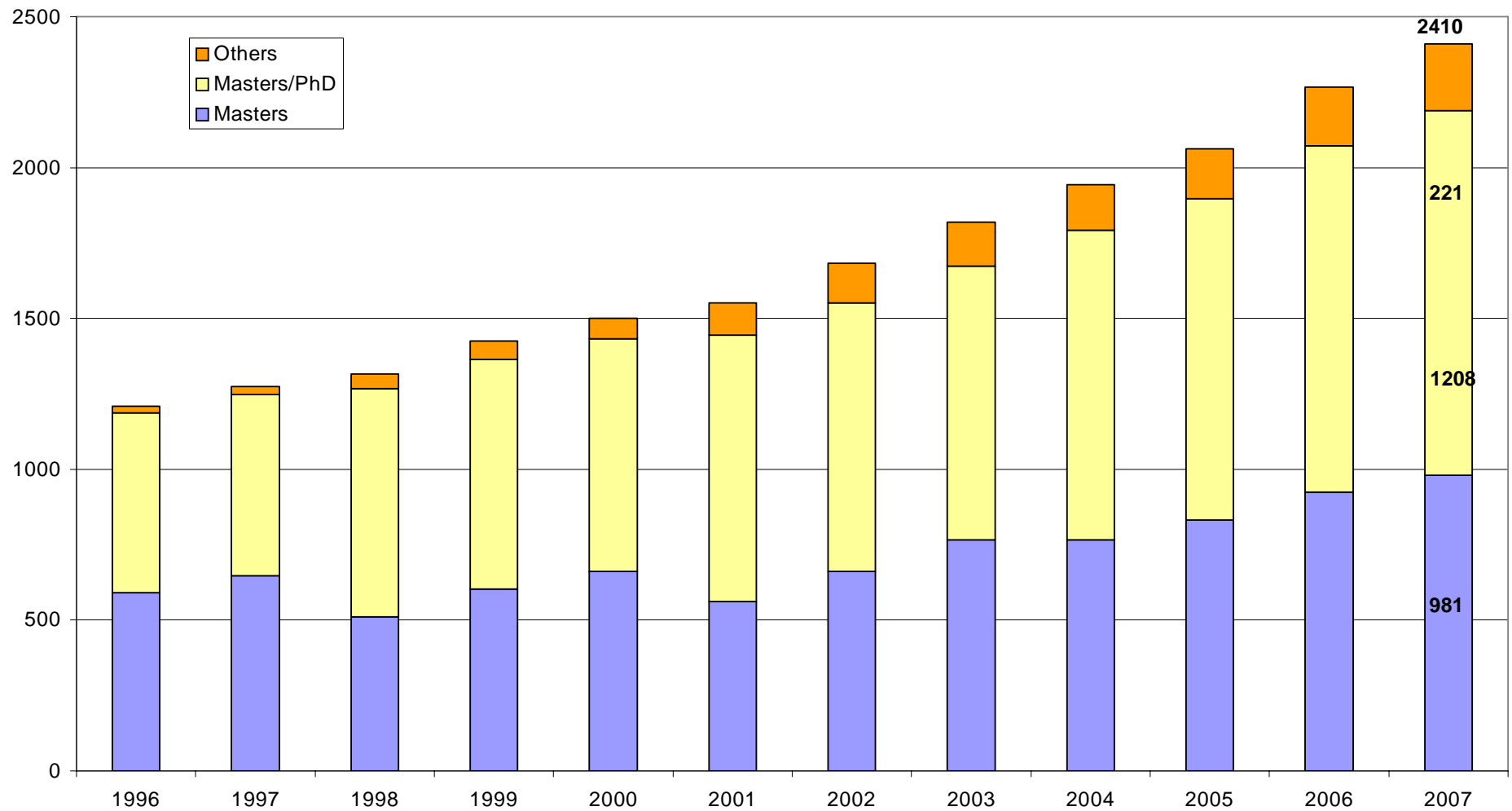
Expand Human Resources through scholarships to undergraduate students

SCHOLARSHIPS SPONSORED BY GOVERNMENT AGENCIES TO UNDERGRADUATE STUDENTS



Create High Quality Graduate Programs

GRADUATE PROGRAMS BY TYPE 1996/2007



IMPORTANT REMARKS

All previously mentioned programs, including fellowships and research grants are open for foreigners residents in Brazil and part of a Brazilian Institution.

Finally, The Brazilian scientific community is very much involved in the activities of TWAS – Academy of Sciences for the Developing Countries, particular attention is given to Africa, and also in the S&T cooperation with India and other Latin American countries, besides the more traditional S&T cooperation with developed countries.

Thank you!