

# Migration and education workshop

## Appraising, contacting and mobilizing highly skilled diasporas

Jean-Baptiste Meyer

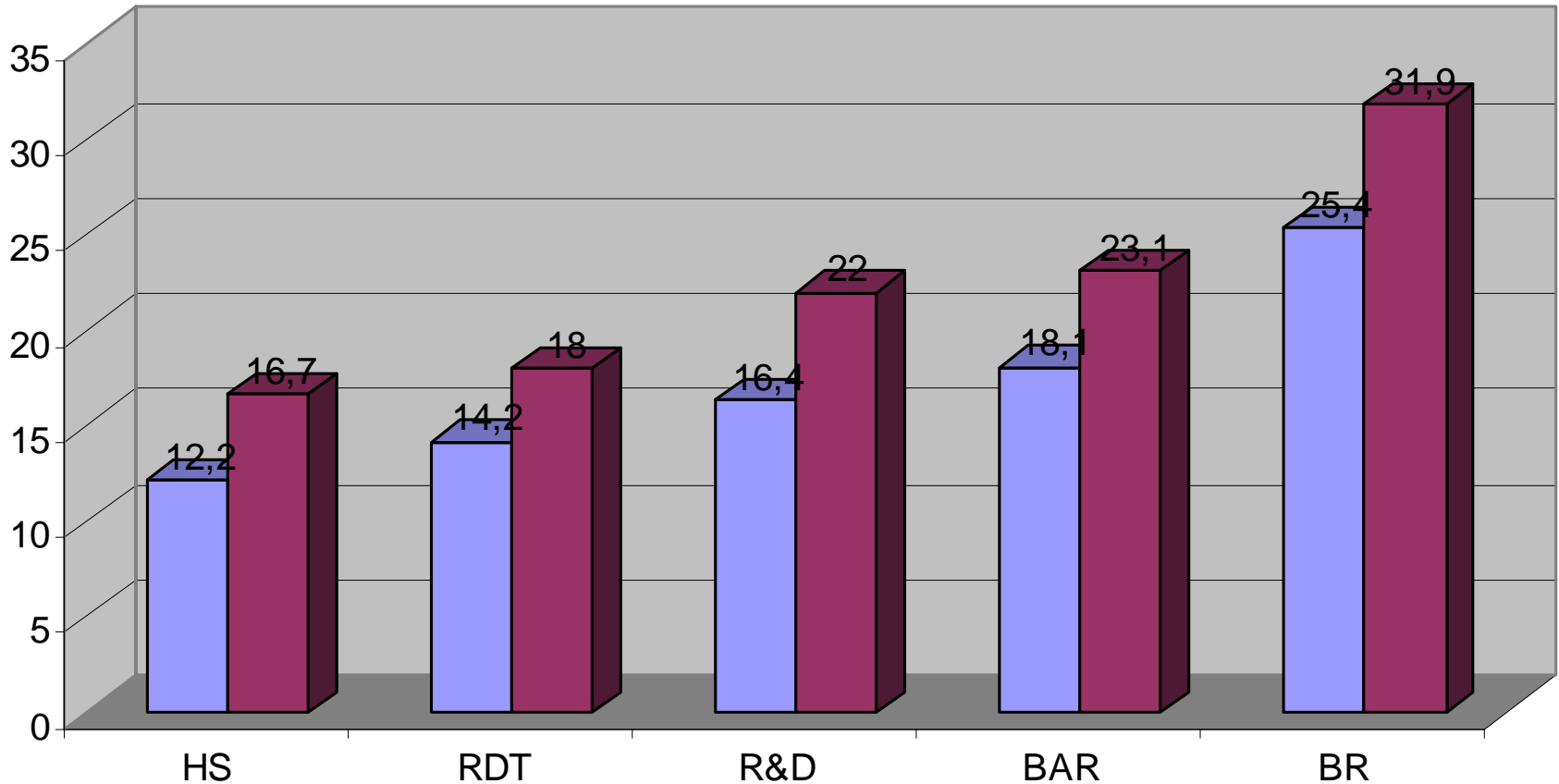
Institut de Recherche pour le Développement

Marseille - France

# Methodology : 3 databases

- SESTAT (Scientists and Engineers Statistical System);  
USA; National Science Foundation  
Coverage : 2 million people (2000);  
Stock data evolution : 1993-2003
  - RICYT (Red ibero-americana de Indicadores de Ciencia y Tecnologia)  
Human resources in S&T in Latin american countries (ref 2000)  
Expatriation rate on local stocks
- + UNESCO

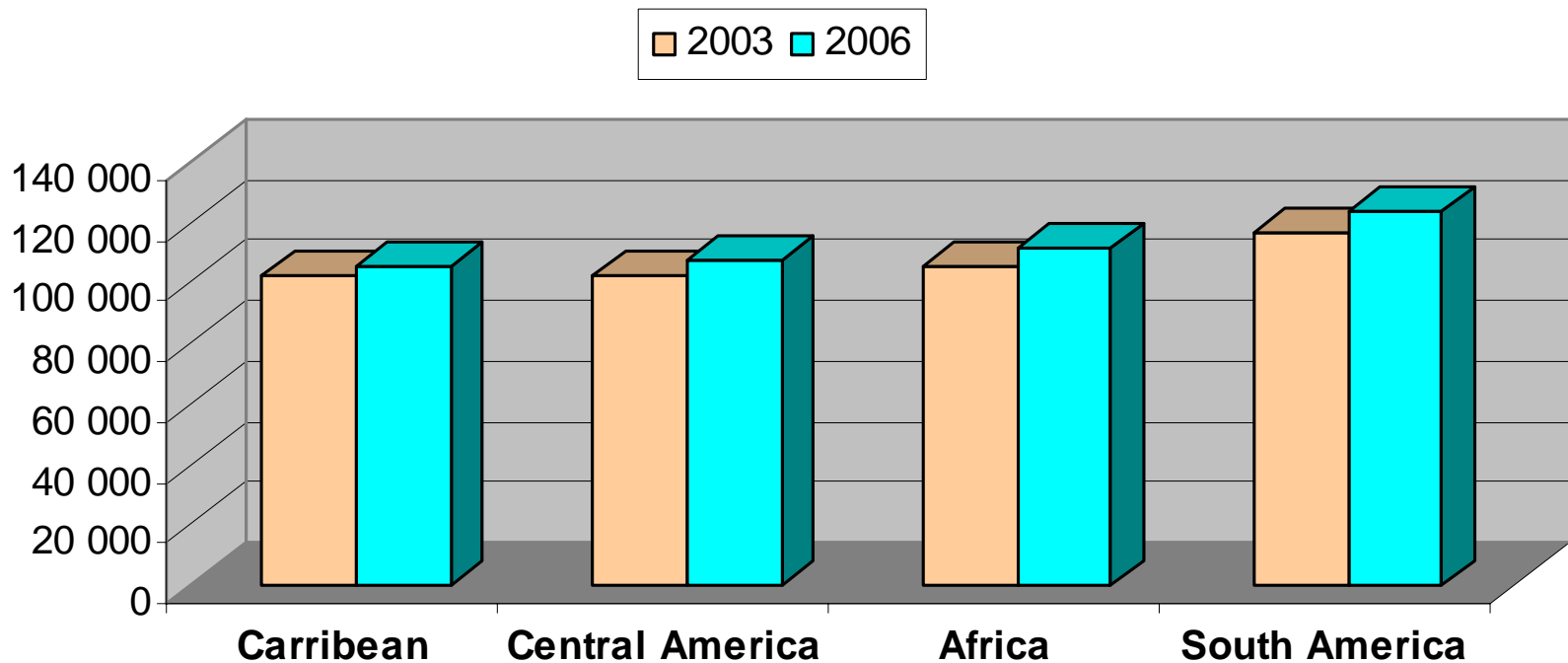
# Expats growth per knowledge intensive categories (1993 et 2003)



Highly skilled; Research Development & Teaching; Research & Development  
Basic and Applied Research; Basic Research

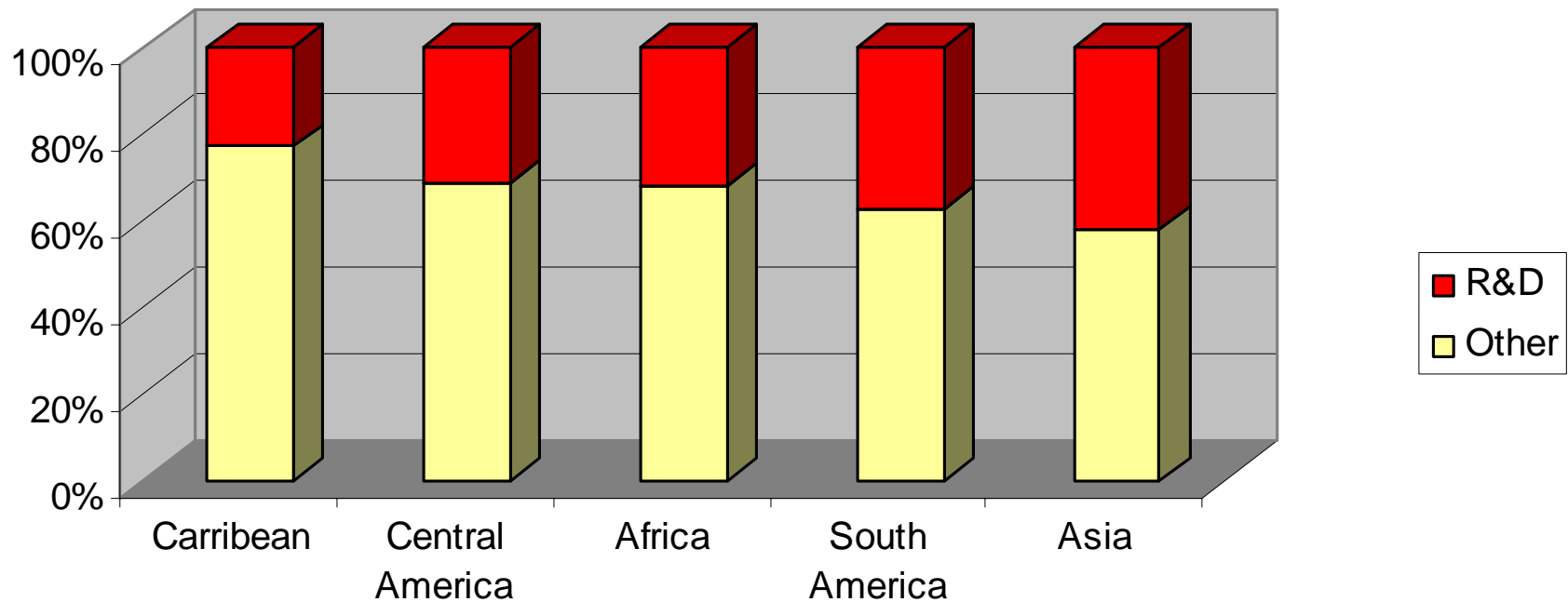
# Recent increase absolute - not relative

S&E personnel in the US (NSF data)



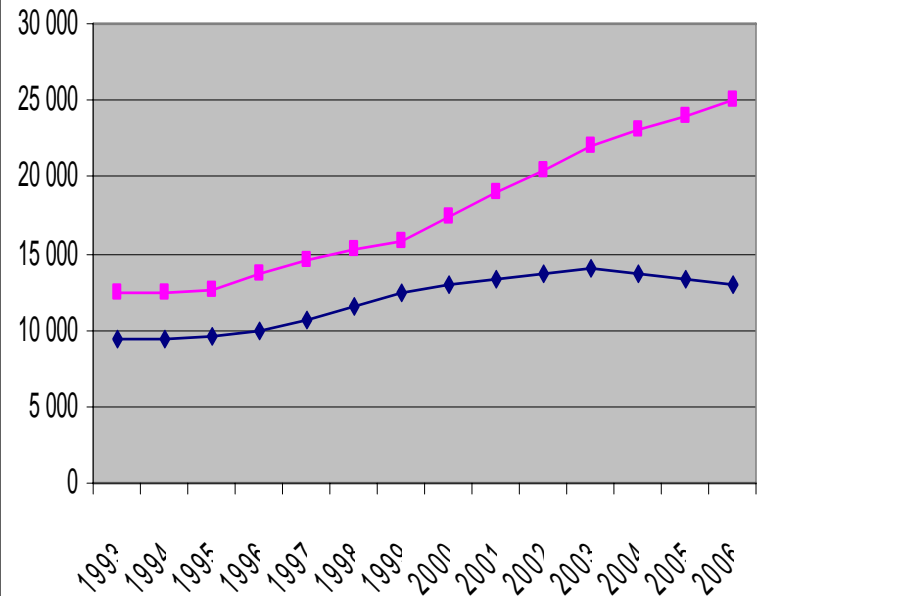
# Proportionality region-HS expat size & intensity of knowledge

R&D proportion in HS expats per region (NSF data 2006)

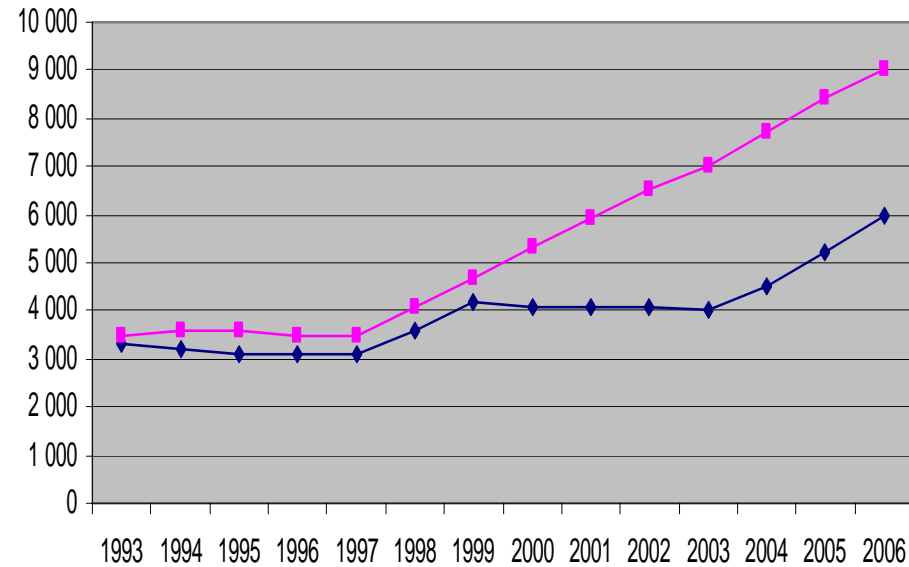


# Evolution of HS expatriation (NSF 1993-2006 data)

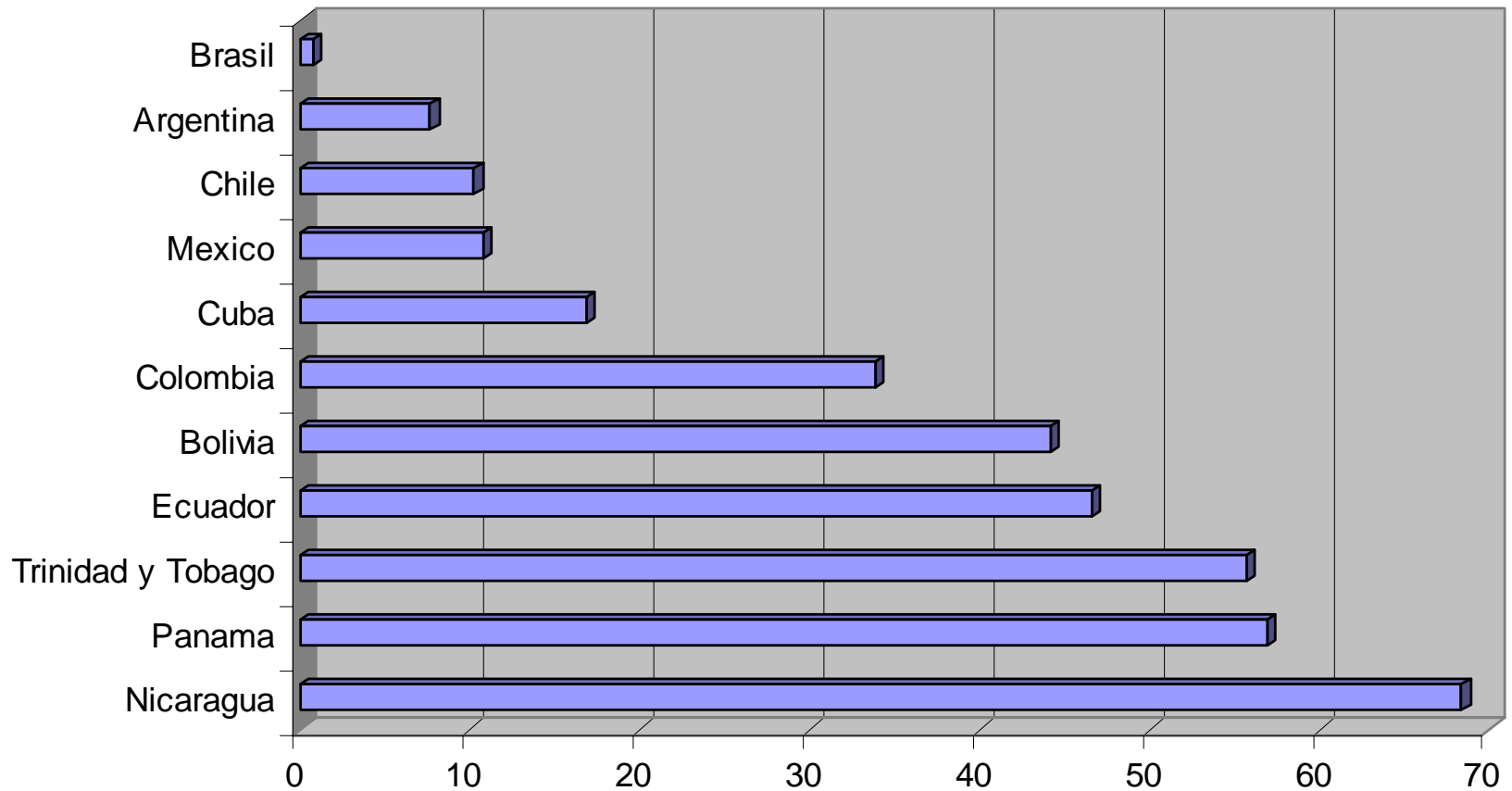
### HS general expat



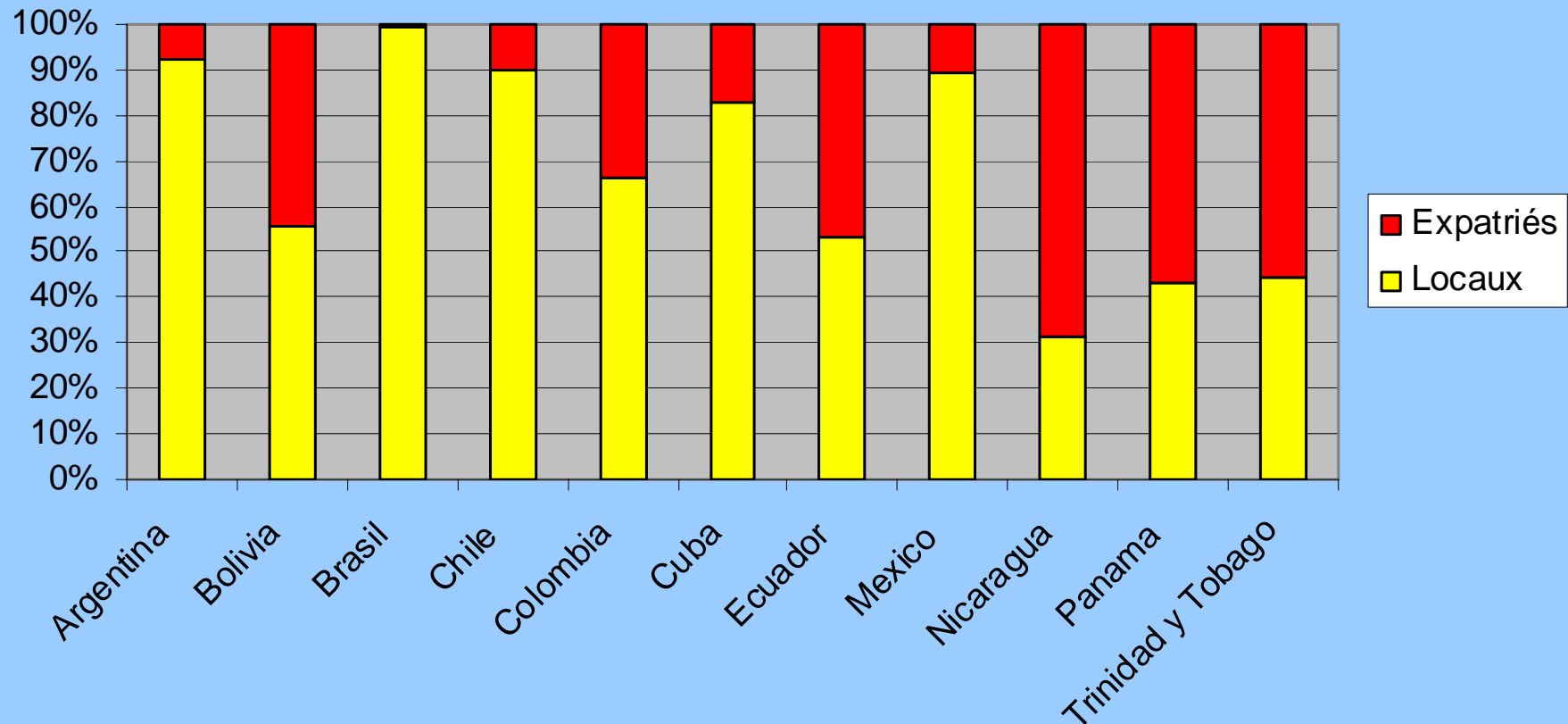
### Personnel R&D expat



# Tx expat R&D (NSF-Ricyt-Unesco 2000)

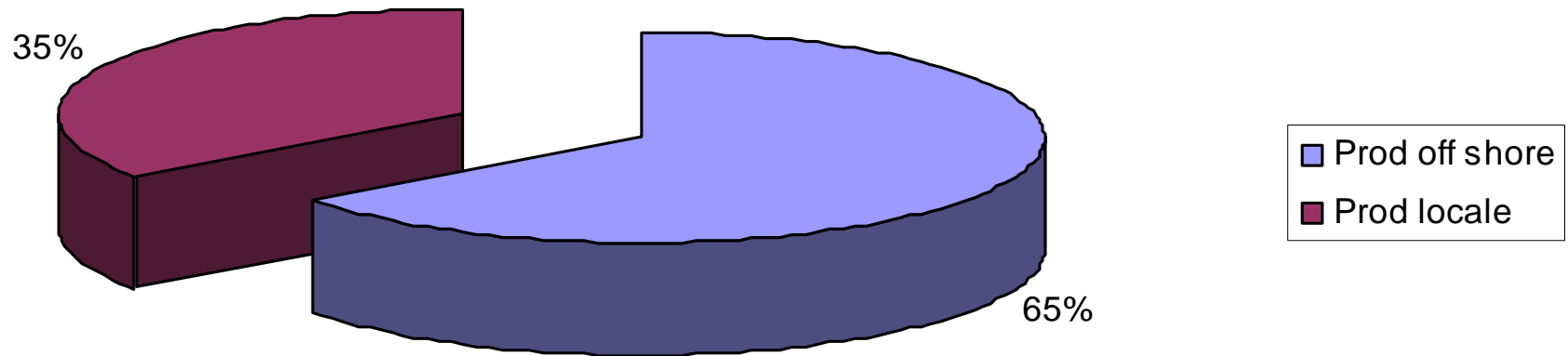


# R&D expats in the US per Latin American country (NSF data 2000)





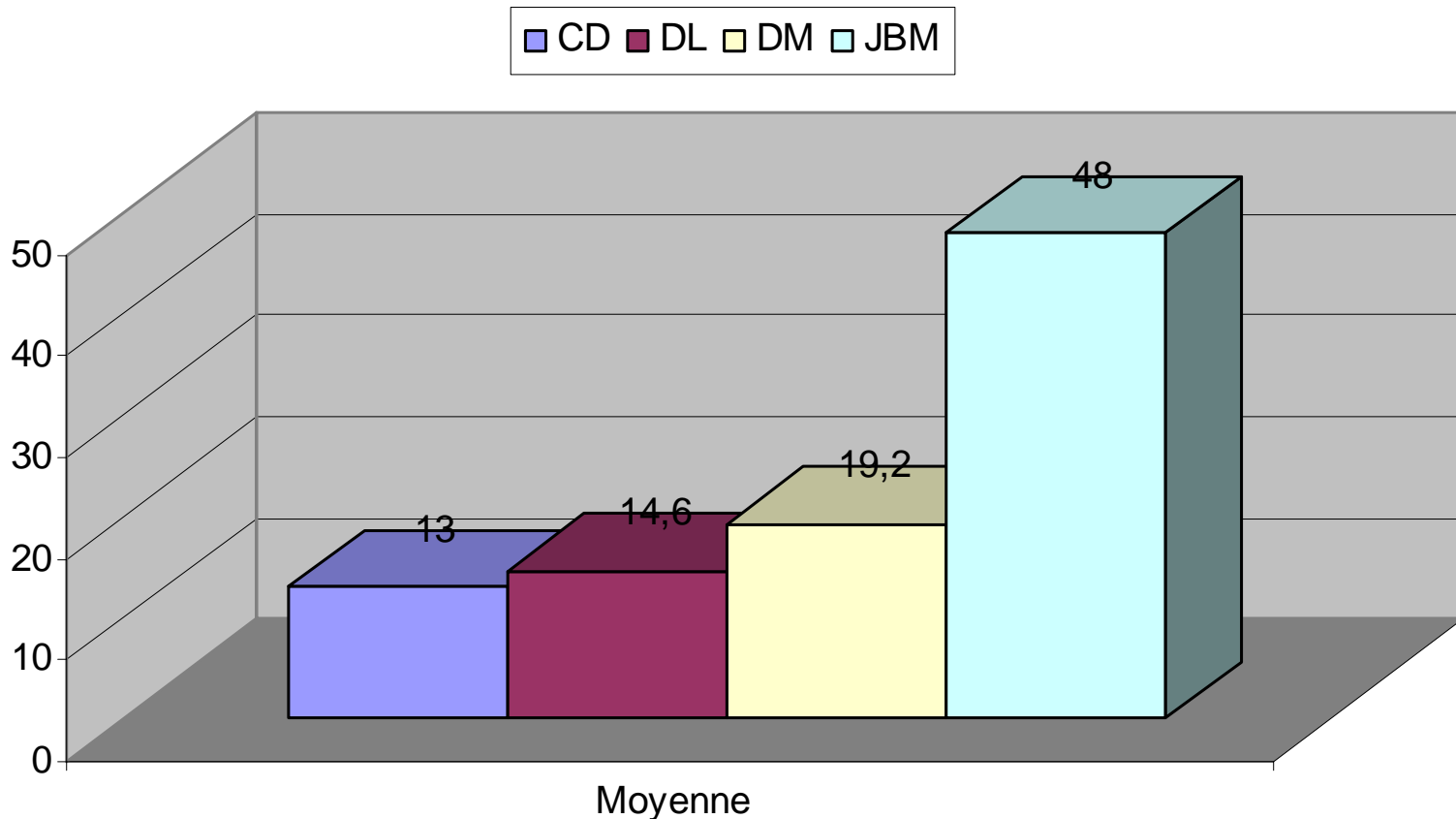
# S&T output estimate



# Expatriation rate comparison OCDE – SESTAT

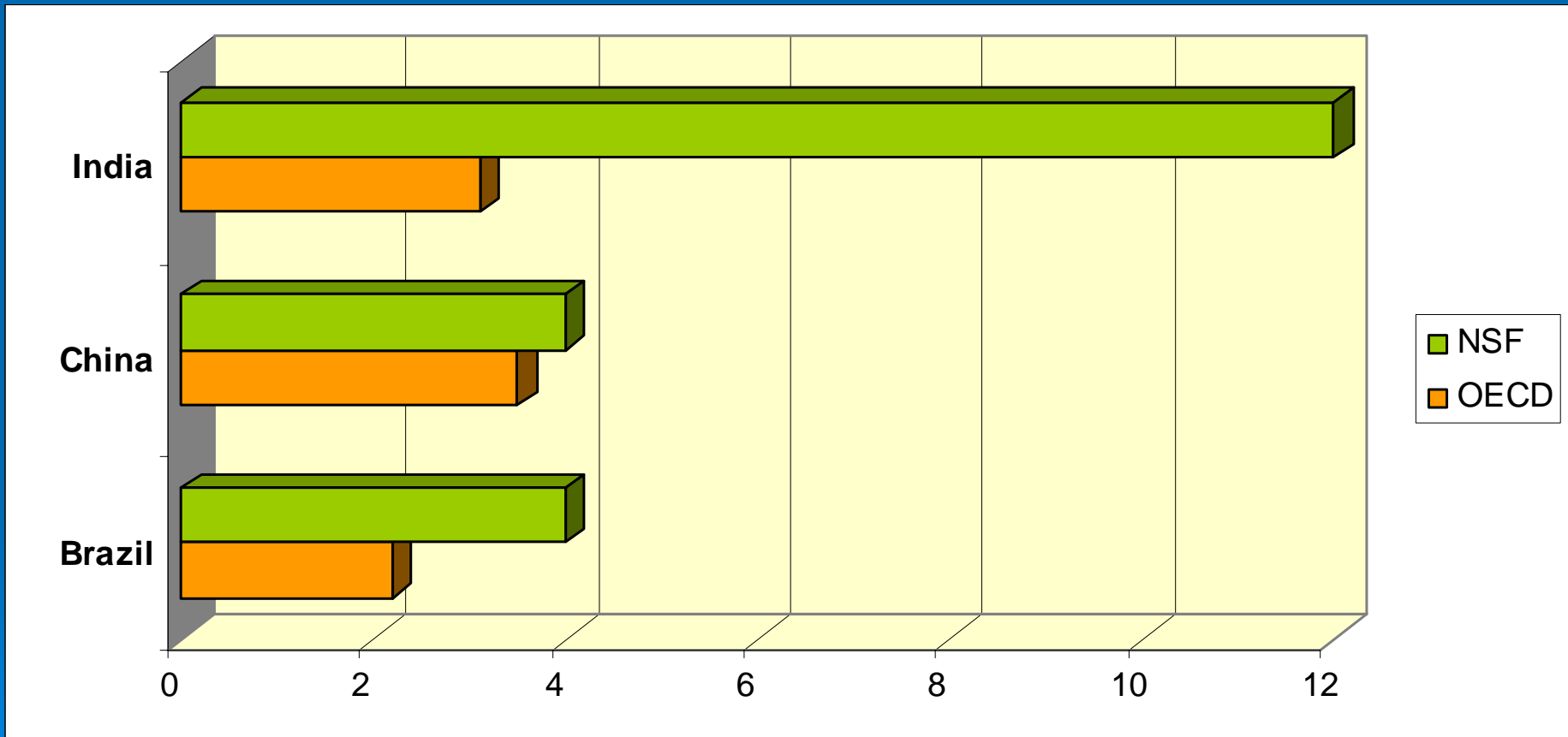
	OCDE	SESTAT
Bolivia	3,2	49
Costa Rica	4	41
Ecuador	6,8	58
Nicaragua*	15,2	77
Panamá	13,2	76
El Salvador	16	65
Trinidad y Tobago*	76	81
Argentina	5,7	12
Brasil*	2,2	4
México	5,7	20
Colombia	5,7	50
Cuba	18,8	52
Chile	8,2	20
Venezuela	3,5	36
<b>Moyenne Am. Lat.</b>	<b>13</b>	<b>46</b>

# Comparison of HS expatriation rates according to specialists (2000)

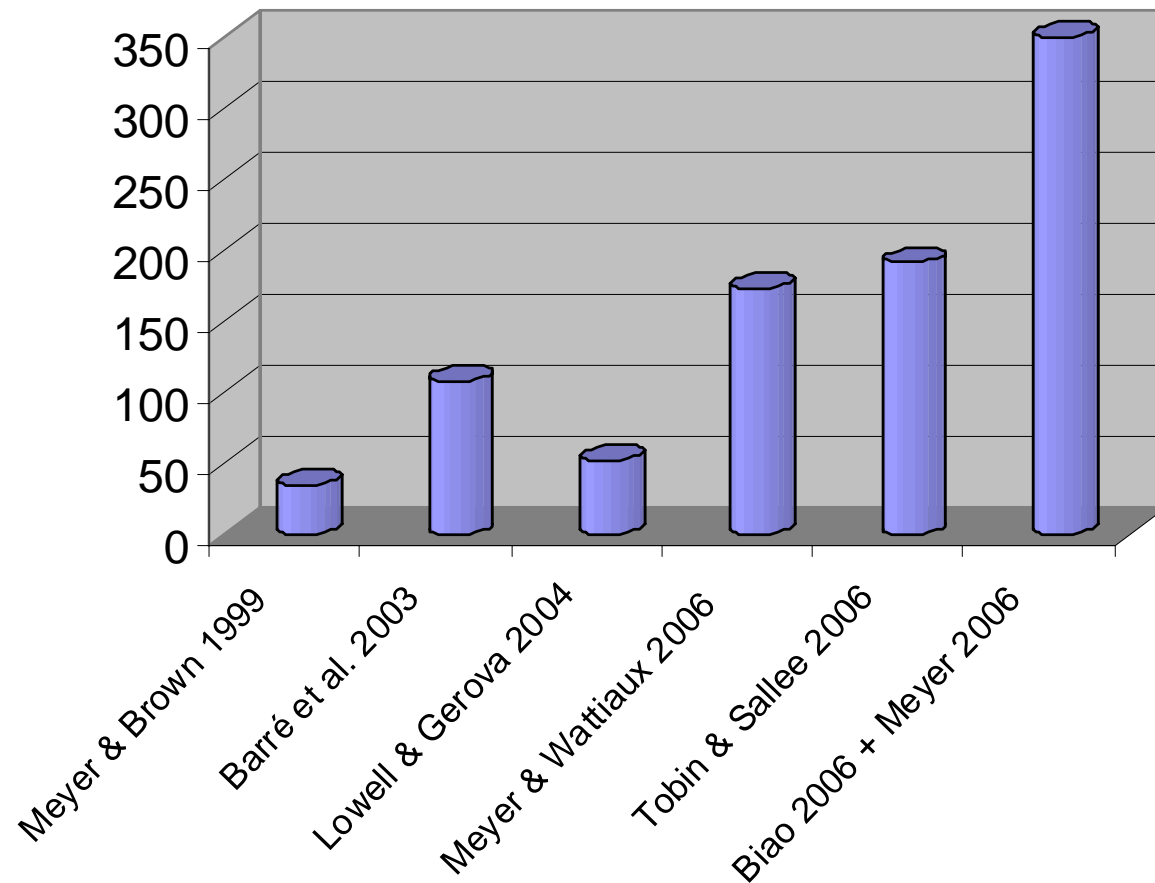


Carrington & Detragiache 1999; Dumont & Lemaître 2005;  
Docquier & Marfouk 2005; Meyer 2008

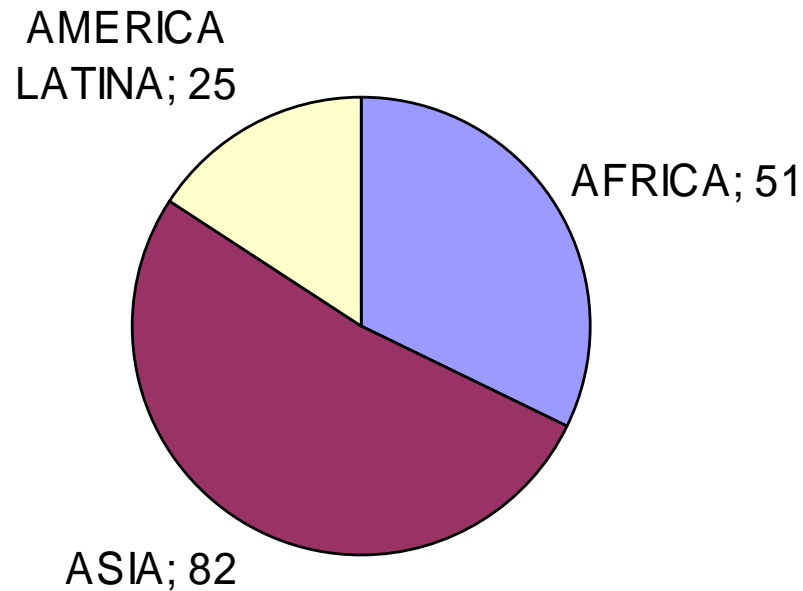
# HS expats rates for the big 3 (estimates from NSF/UNESCO vs OECD data)



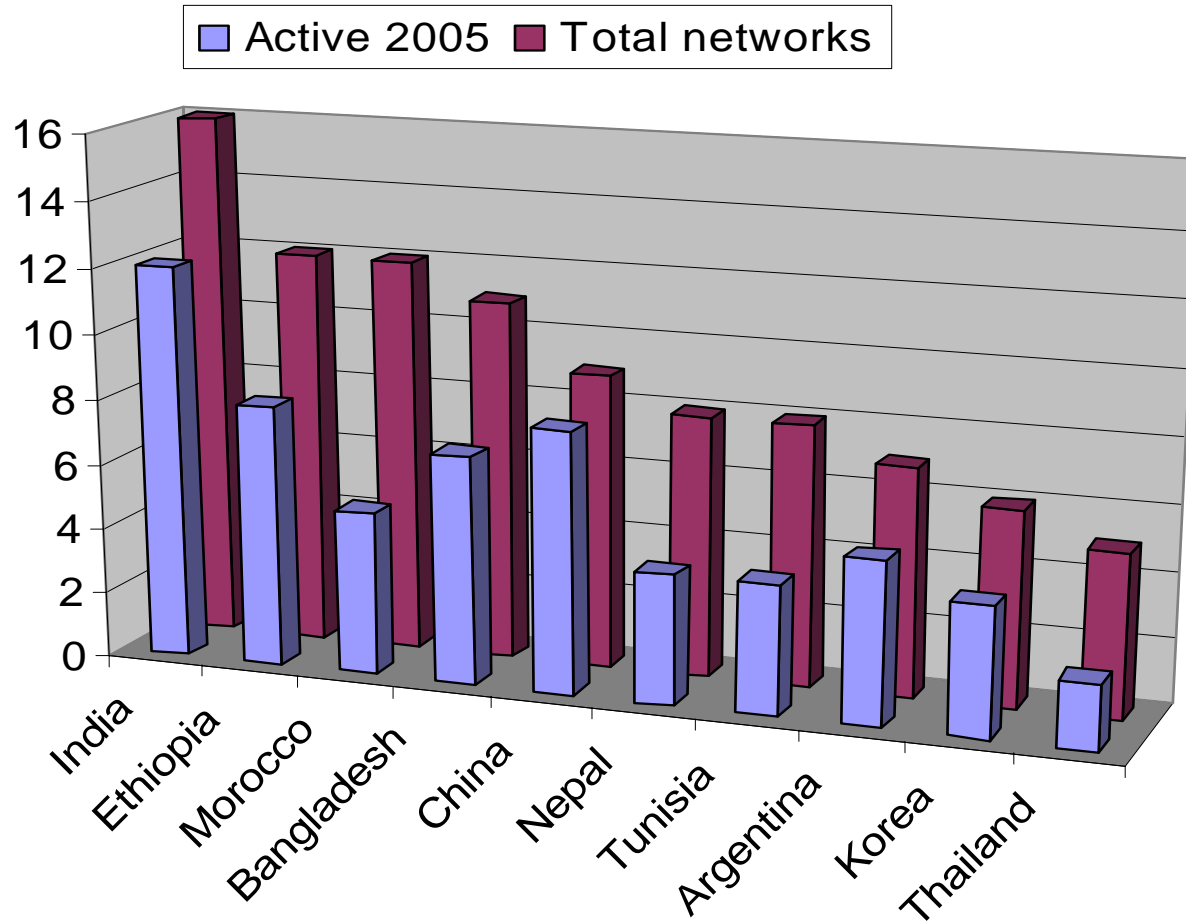
# DKN identified through web search by different studies



# Diaspora knowledge networks by regions of the world (regions of origin)



# Major countries of origin of identified Diaspora Knowledge Networks



# Creation of Incubators for Knowledge Diasporas in Latin America



Paris  
17-18 December 2010

INED – PôleSuds - Unesco



# CIDESAL 2 dimensions :

## Observatory

Statistics & dynamics

## Instruments

Equipment (ICTs) and organisational devices (PPs)



[Jean-baptiste.meyer@ird.fr](mailto:Jean-baptiste.meyer@ird.fr)

[www.msh-m.fr/cidesal](http://www.msh-m.fr/cidesal)

[www.observatoriodiasporas.com/](http://www.observatoriodiasporas.com/)