

US National Science Foundation Future Directions

--Global Science
Collaborations through the Network

- **THOMAS J. GREENE, Ph.D.**
- National Science Foundation
- Senior Program Director,
Advanced Networking Infrastructure



History of sabbatical exchanges

- North and South American Scientists have shared work by visiting each other
- Collaborations have been hampered by distance and time
- We need to increase the information exchange and reduce the amount of time

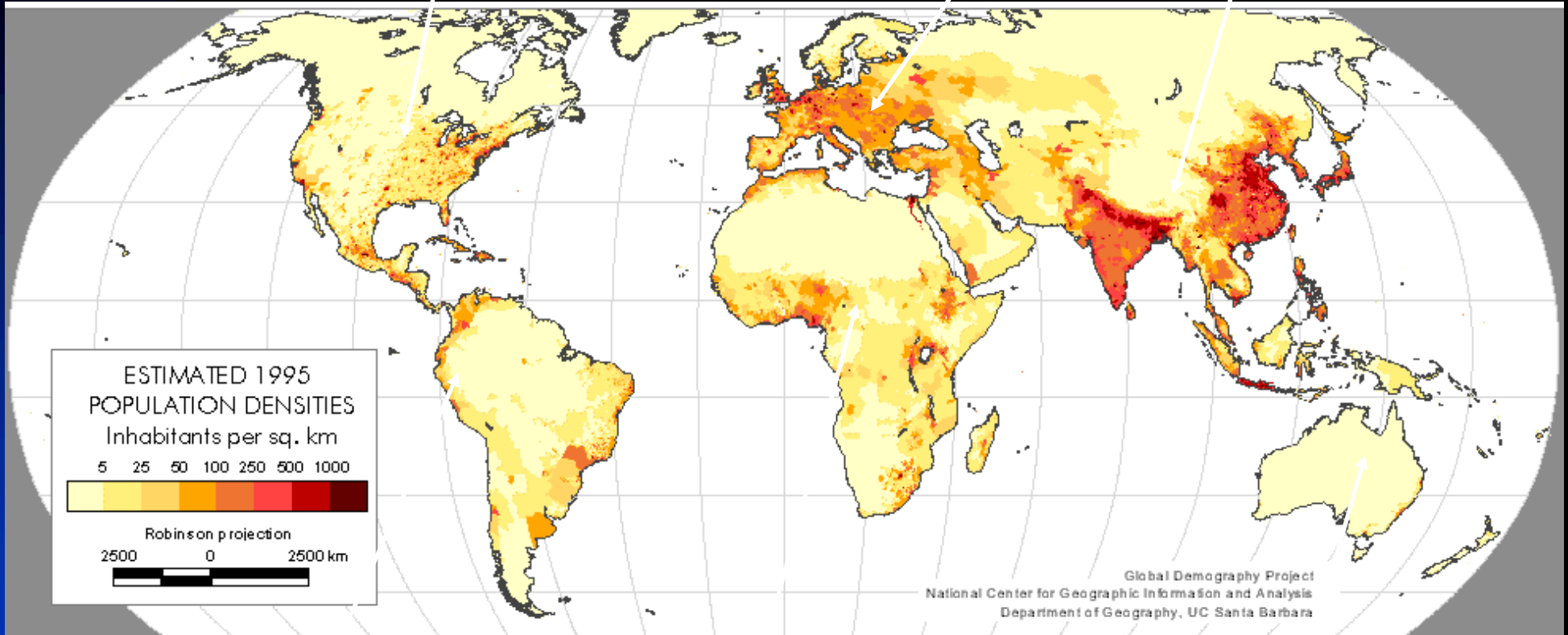


Population
Distribution

US & Canada = 310M(5%)

Asia = 3.68B (61%)

Europe = 729M (12%)



Latin America &
Caribbean = 519M(9%)

Africa = 784M(13%)

Oceania = 30M (0.1%)

The impetus for high performance research and education networks in the Americas is--

- *Scientific Investigators*
- *Shared resources*



The U.S.A.-- N.S.F. would like this workshop to

- Document a Synergy
- Catalyze a community
- Enable multi-national advancement of science



Document a synergy:

- ◆ U.S. Research Interests in South America
- ◆ South American Science Research Interests
- ◆ Physical Infrastructure in Place
- ◆ Enthusiasm from corporate partners
- ◆ Dedication of Individuals



Catalyze a Community

- ◆ Northern hemisphere forum of global cooperation at Startup
- ◆ Create communities of simpatico scientists across the hemispheres



Enable Multi National Advancement of Science

- ◆ Partnership of Ideas
- ◆ Collaboration of People
- ◆ Empowerment of tools





Thank You !