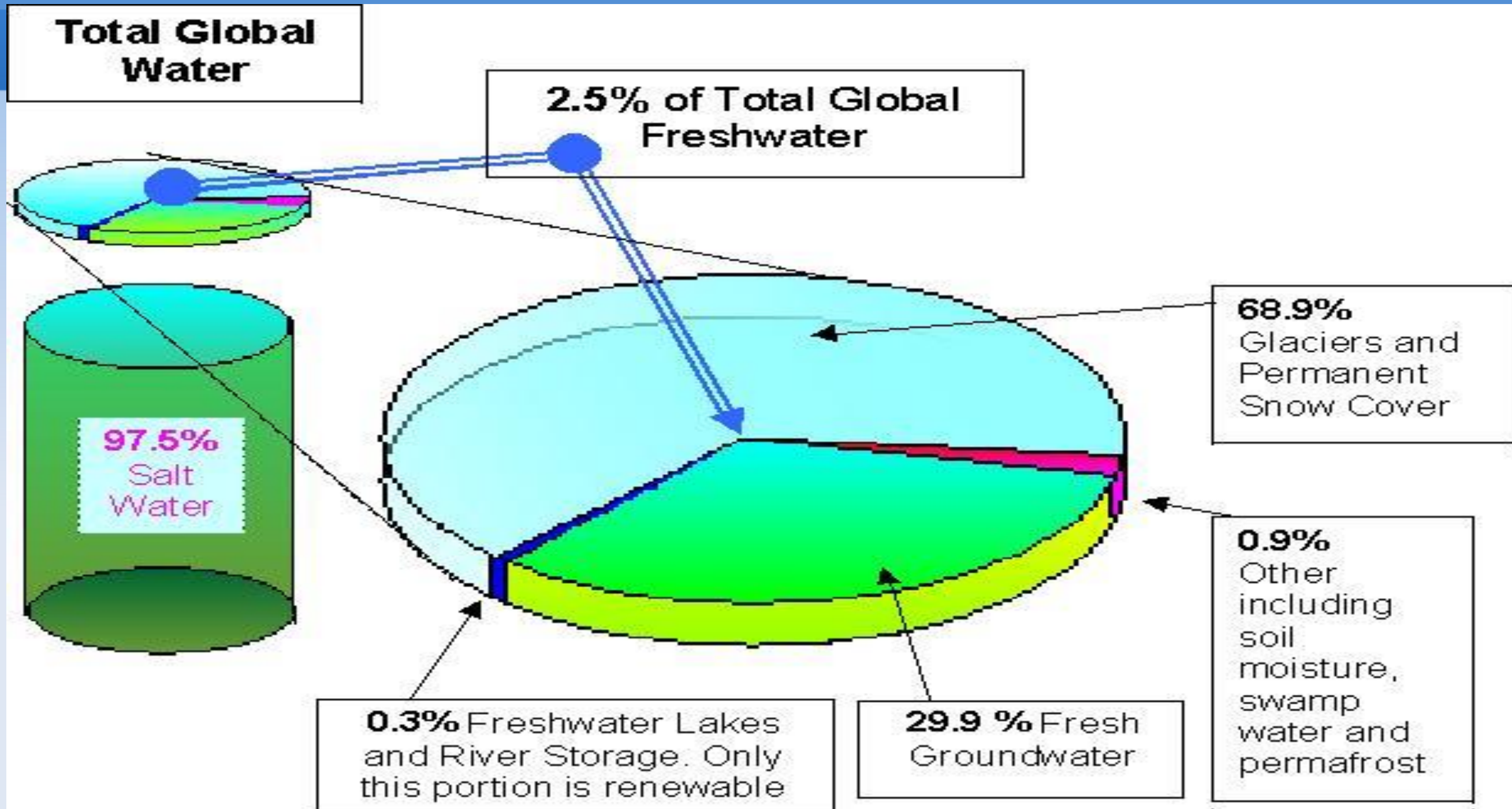


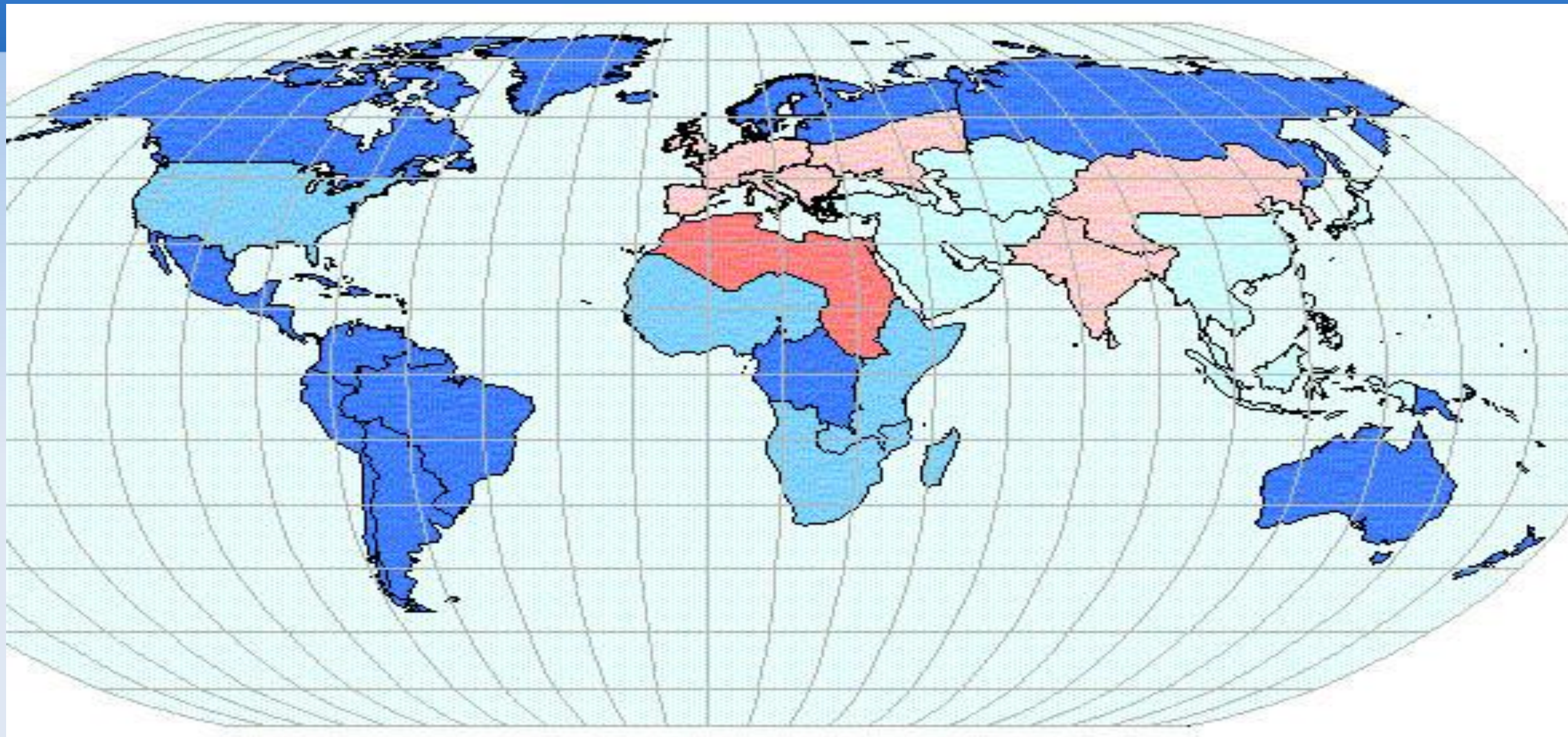
Managing Water in the Americas : Science and Gender



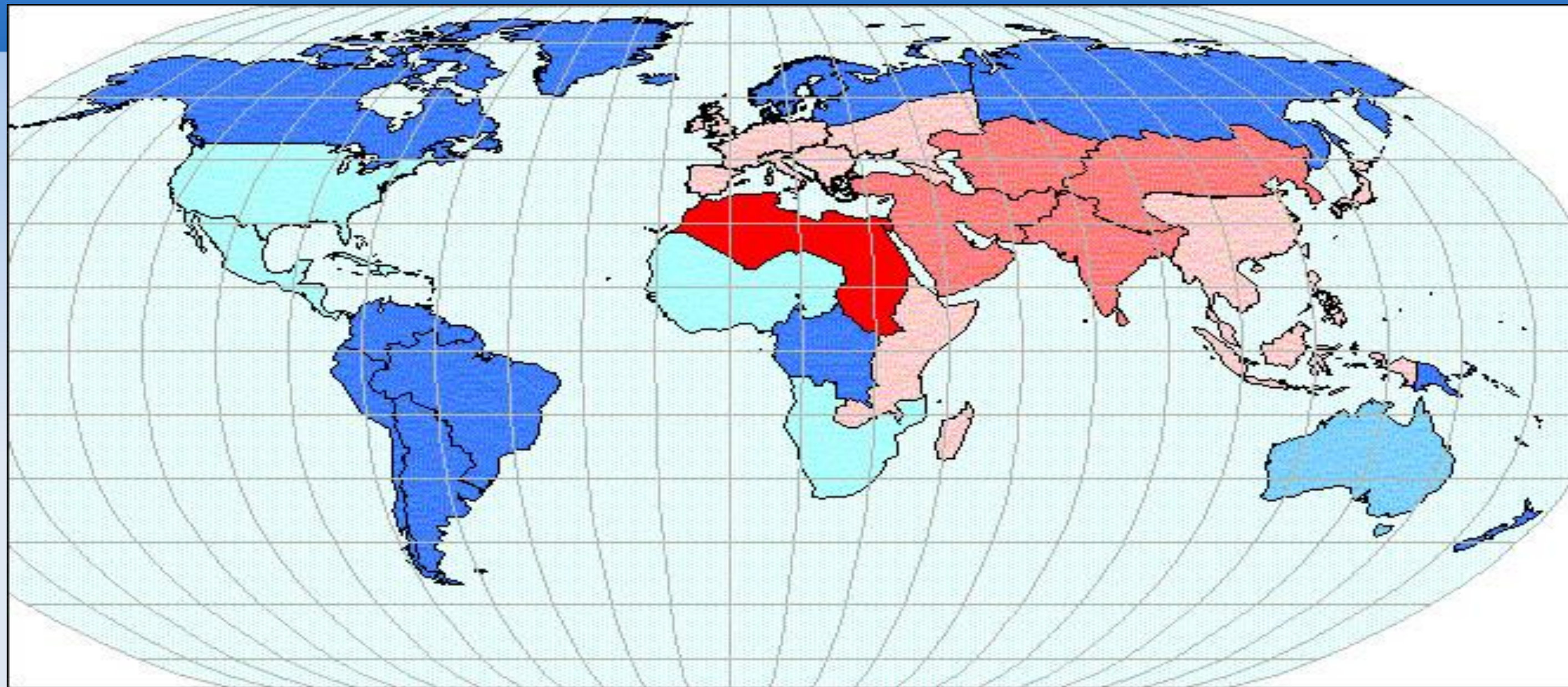
What is the problem?



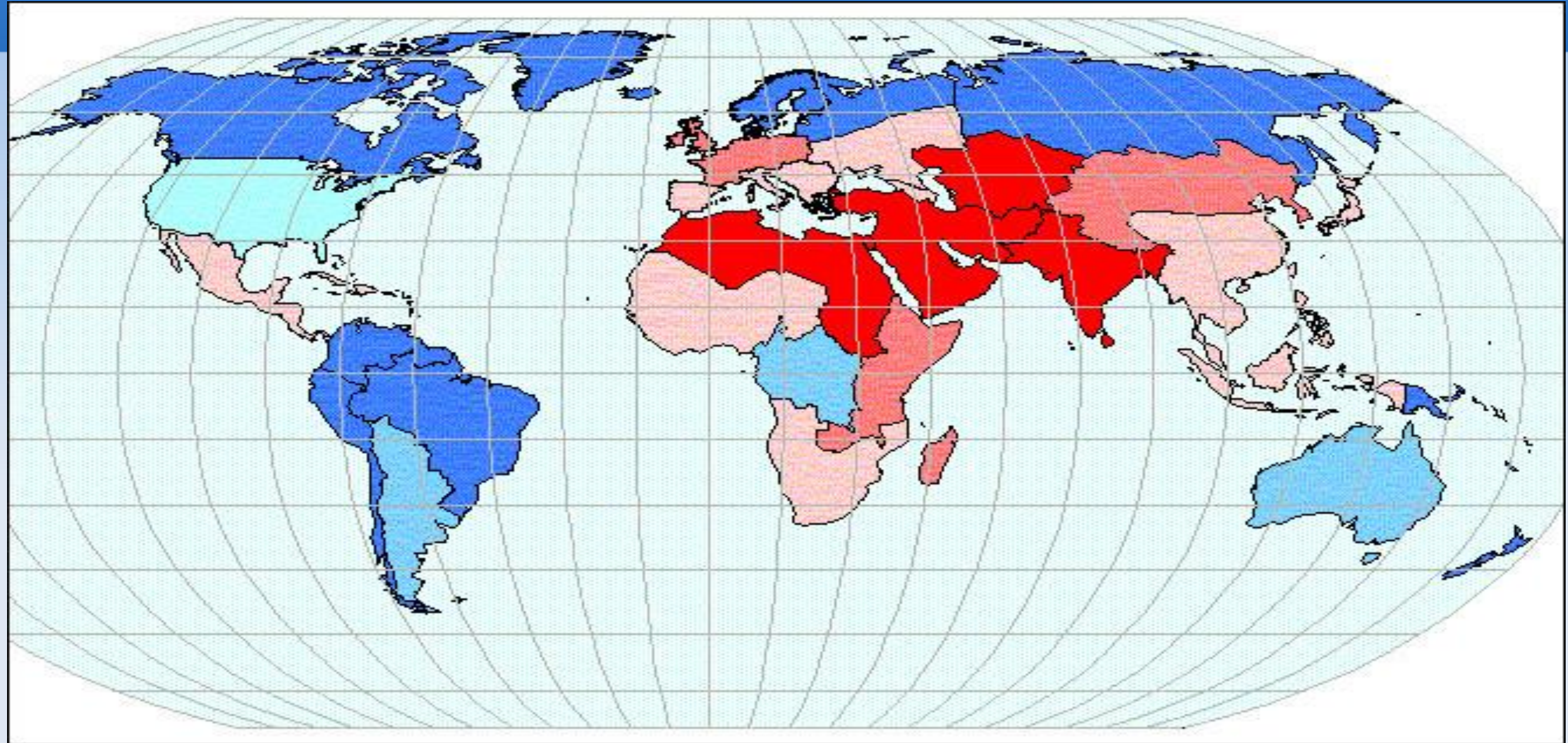
Why is this a problem? 1950



1995



2025



What is the problem?

66% Agriculture

20% Industry

10% Household

4% Evaporates

What is the problem in the Americas?

30% of the water with 6% of the population

water is not well distributed

water is being contaminated

Climate change

What are the clues? **Complexity**

Heterogeneous

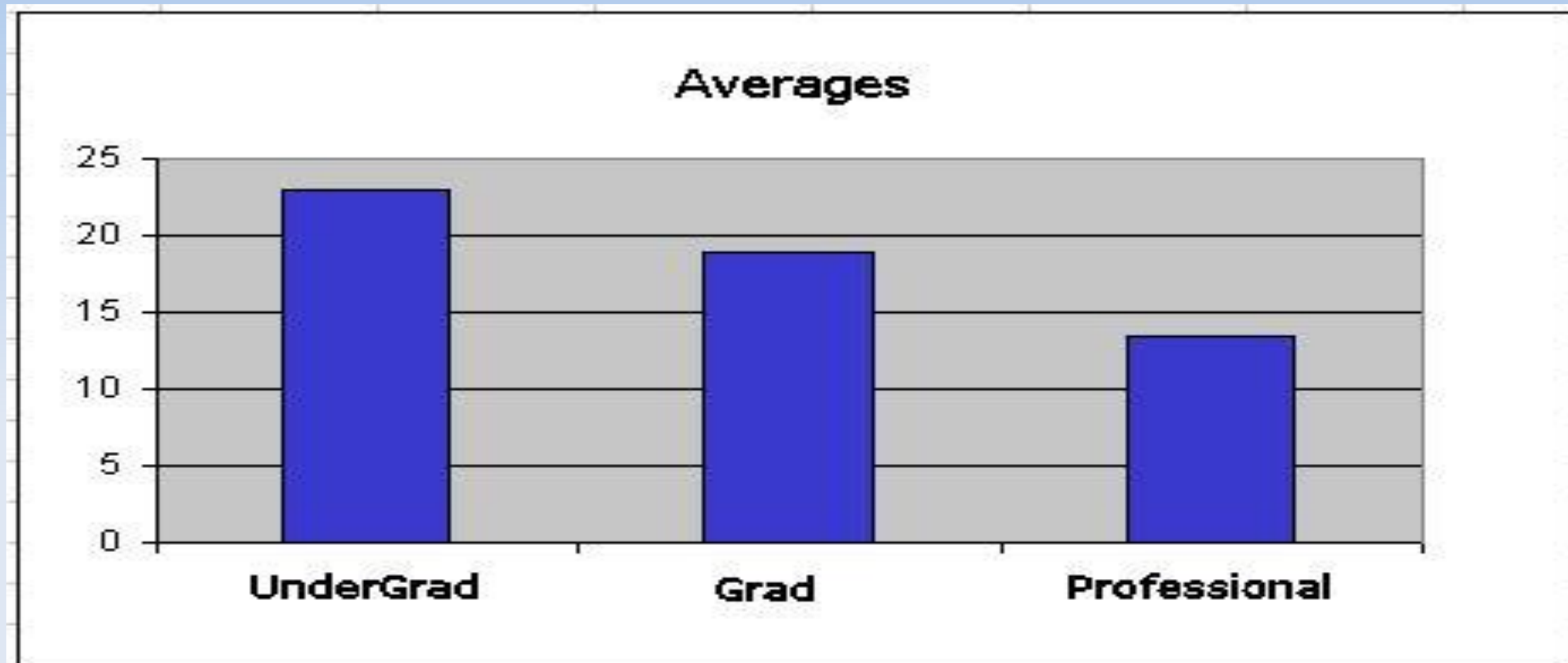
Many Length Scales

What are the clues?

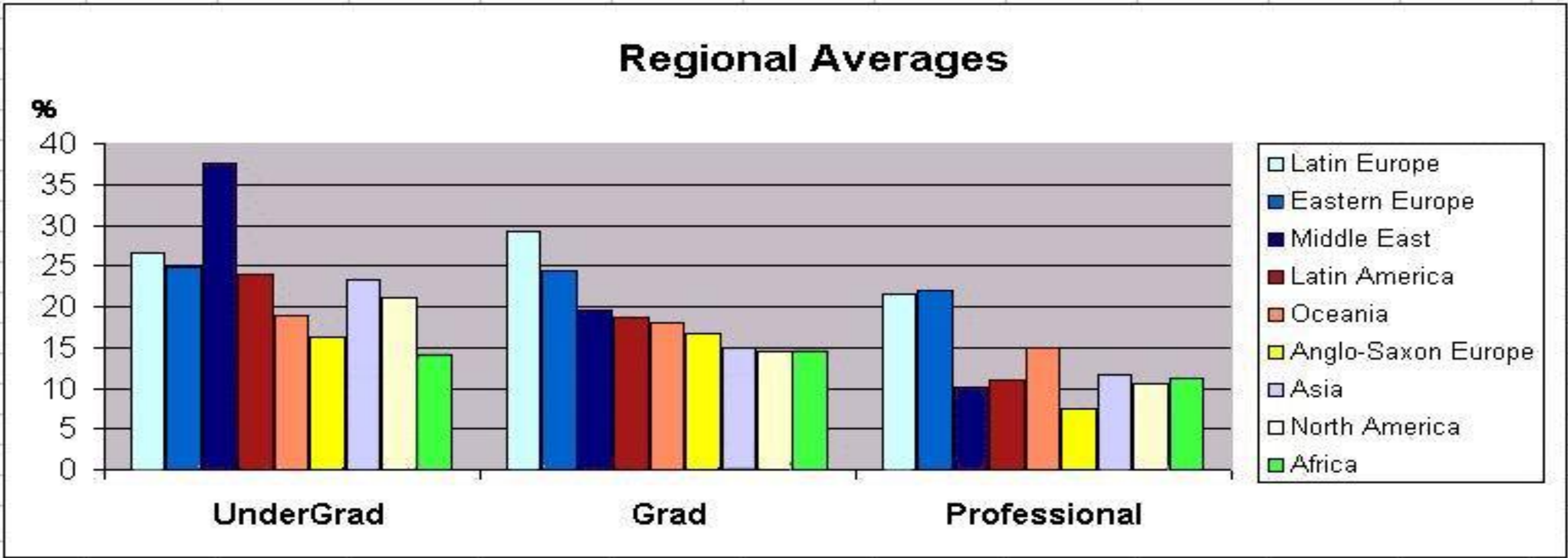
Better Management

Scientific Discovery

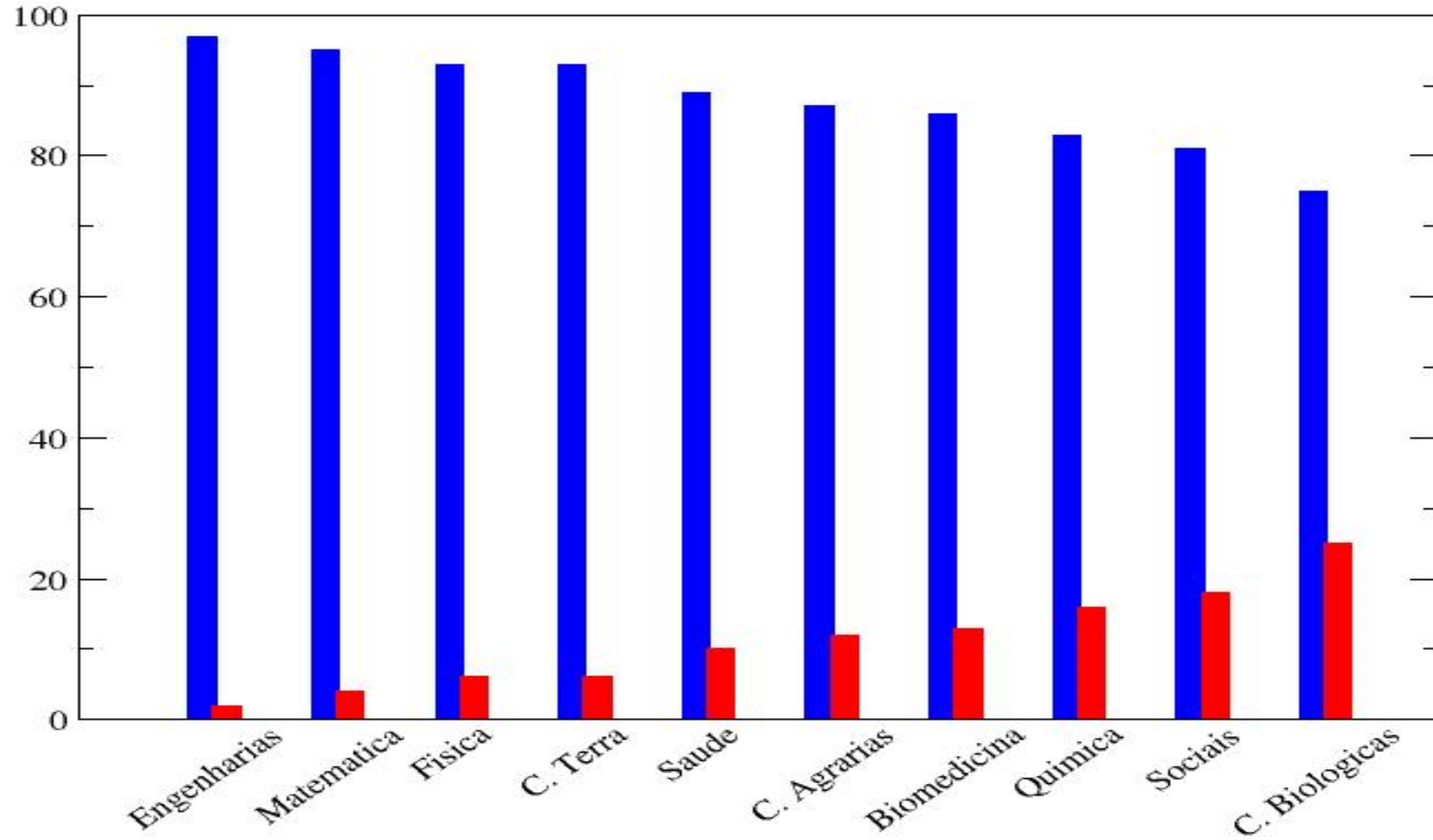
What is the problem?



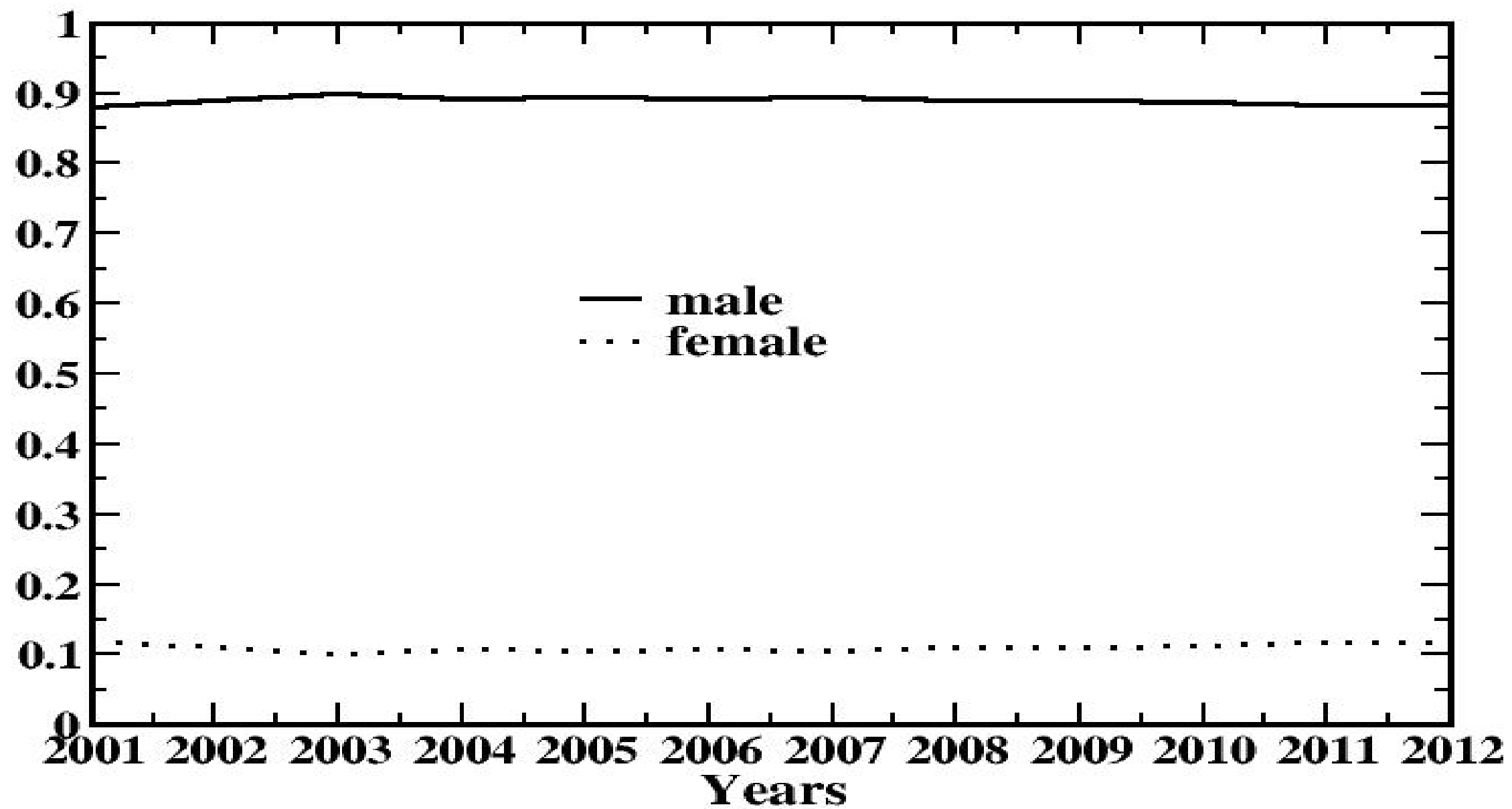
Regional Averages



Brazilian Academy of Sciences



Question of time?



Men and women participation



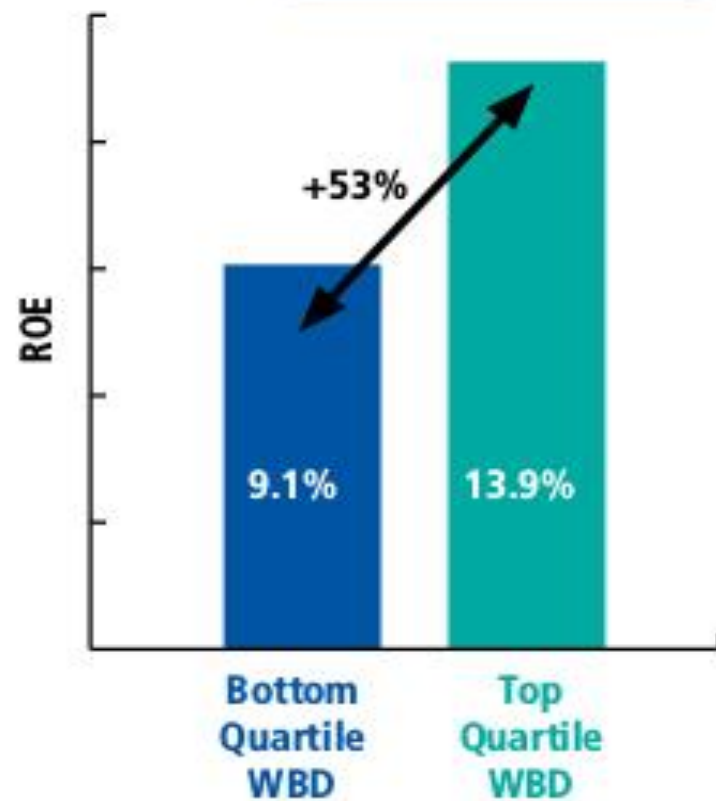
Men and women participation



Advantages on Gender Balance

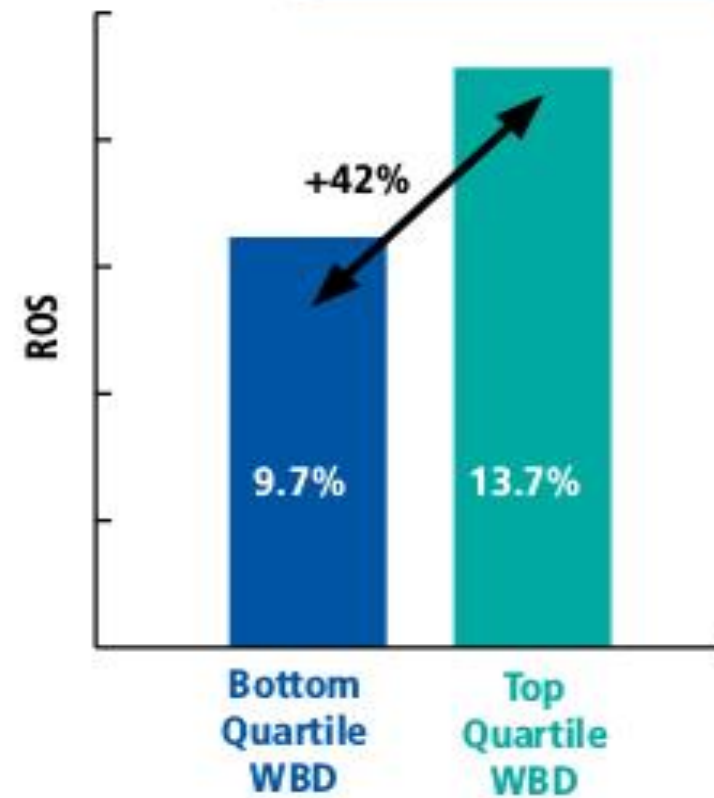
Return on Equity³ by Women's Representation on the Board

Companies with more WBD outperform those with the least by 53%



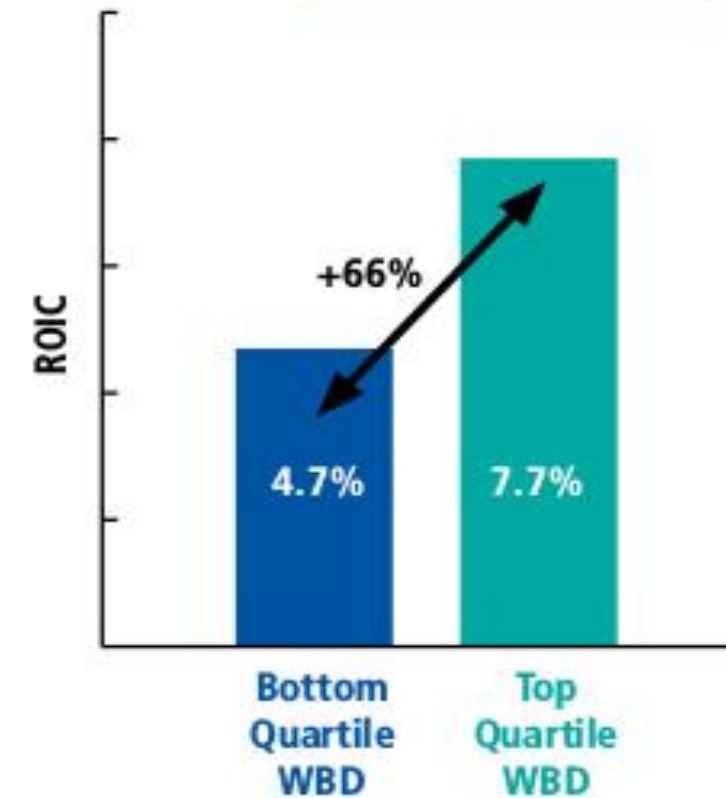
Return on Sales⁴ by Women's Representation on the Board

Companies with more WBD outperform those with the least by 42%



Return on Invested Capital⁵ by Women's Representation on the Board

Companies with more WBD outperform those with the least by 66%



What are the clues?

A World Bank evaluation of 122 water projects found that the effectiveness of a project was six to seven times higher where women were involved than where they were not.” – WSSCC

Including women in water management planning often makes for fewer oversights in technical planning, improved resource and financial management, and greater transparency.

Women are empowered in the community through demonstrating their technical and management qualifications.

What are the clues?

Management

Science

What are the solutions?



The infographic features three overlapping circles on the left: a purple circle with a hammer icon, a green circle with a dollar sign icon, and a pink circle with a large blue female silhouette and four smaller brown female silhouettes. The background is a light blue geometric pattern.

...e changing that.

Women Water Leaders

GWWI trains grassroots women to become...

What are the solutions?



What are the solutions?



GenderInSITE Parallel Workshop on Applying a Gender and Science Lens to Water Issues
TWAS Science Diplomacy Workshop 30 Nov – 4 Dec 2015

What is the solution?

WHAT

WHY

TO WHOM

Problem definition and Question Formation should involve women,

Women are socialized to appreciate complexity and networks, and to conceptualize ideas differently

Research Leads

Researchers and Funders need training on integrating gender in design and evaluation of research

Gendered aspects of research are not always obvious or considered important

Donors/ Funders

Women should be involved at the highest level of priority setting and funding decisions

Women rank/ prioritize topics differently, and ask different questions

National Science agencies, Science funders

What is the solution?

WHAT	WHY	TO WHOM
Need to consider women's perspective as users of technologies	Women are 50% of users (more in some regions/types of use)	Program and project designers and executors
Need to find appropriate ways to engage women	Women may not feel comfortable speaking up under the same circumstances as men (i.e. large community meetings)	Program and project designers and executors

What is the solution?

WHAT	WHY	TO WHOM
Financial tools should be equally accessible to men and women	Financial tools are the key to action, women need to be engaged	Banks, Funders/ Aid agencies
Women and men are equally well suited to natural and social sciences	All societies still have deeply instilled ideas about appropriate interests & careers for men and women	Educators, Parents
In many regions, women are disenfranchised and discriminated against	Tendency for progress & equality in some areas (i.e. basic education) to mask still-existing inequalities	Educators, Communities

What is the solution?