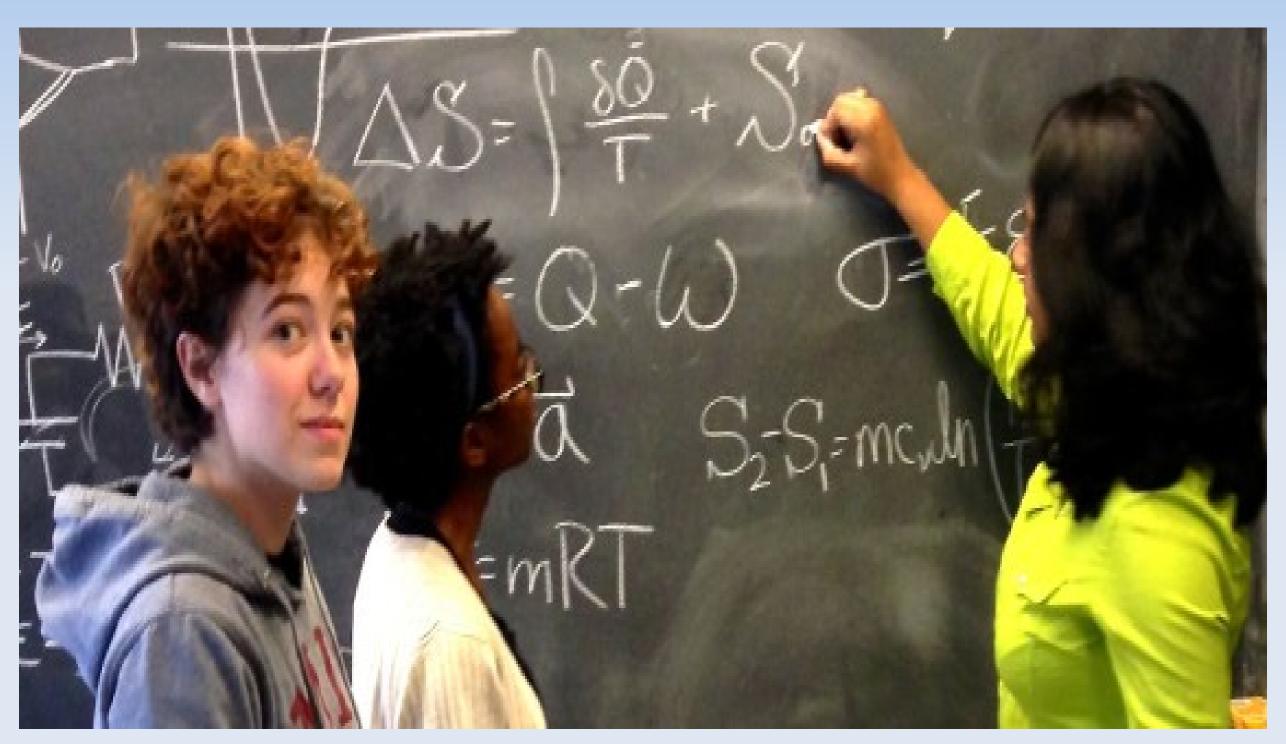
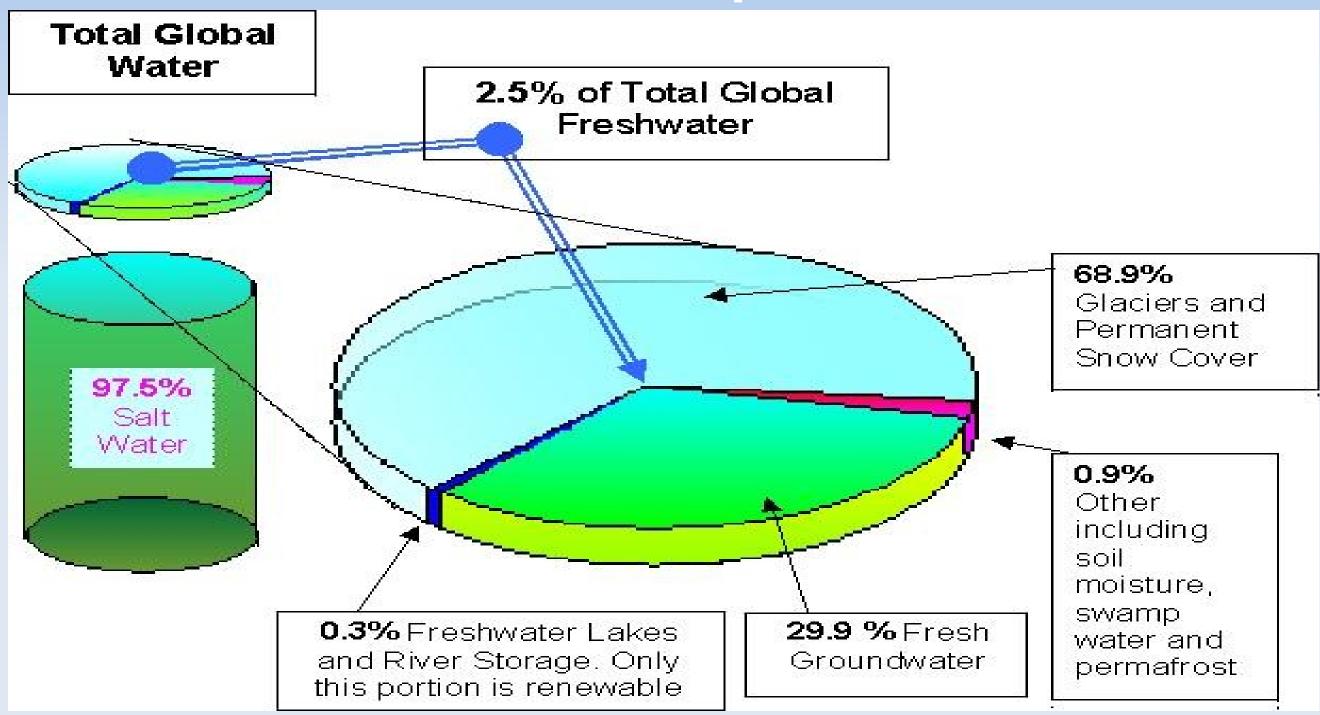
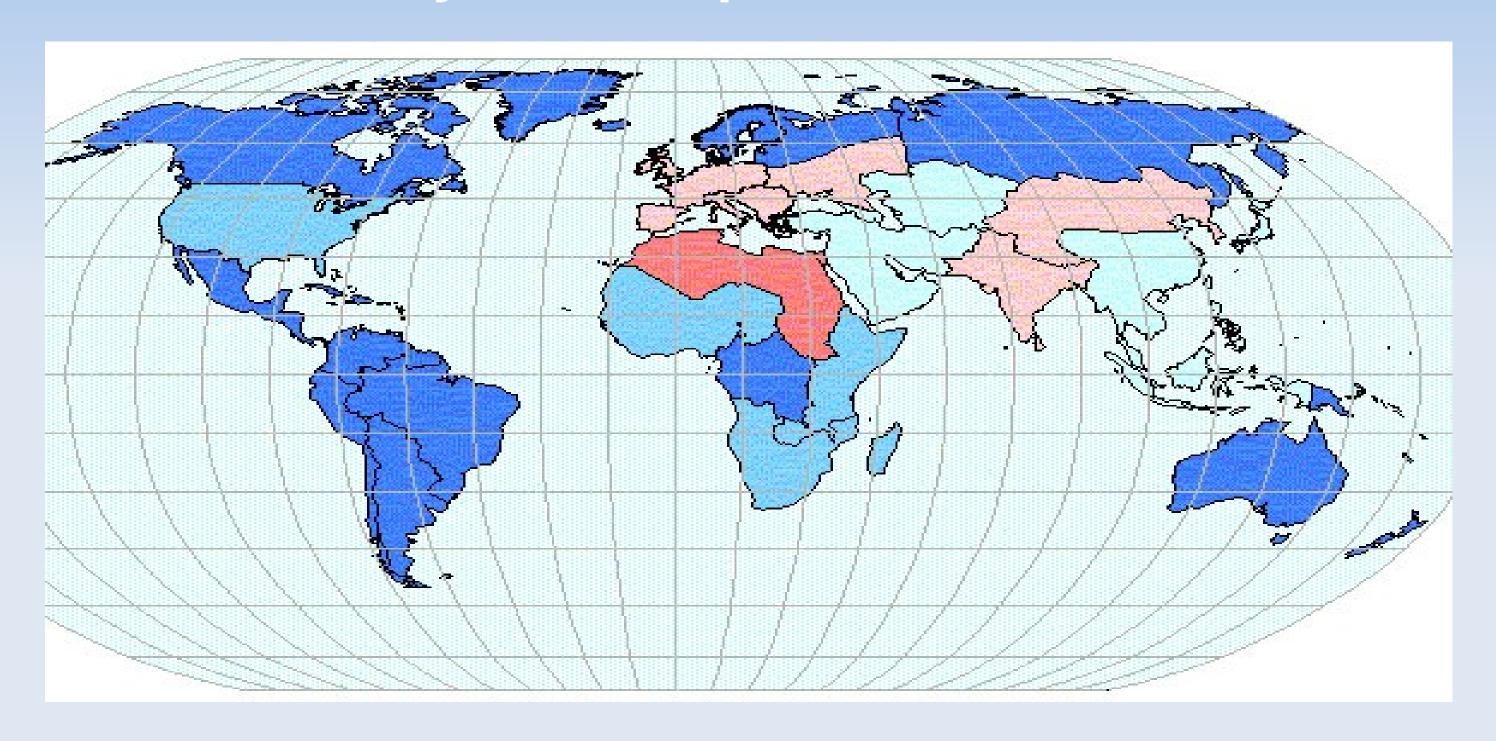
Women in Science = Better Science?

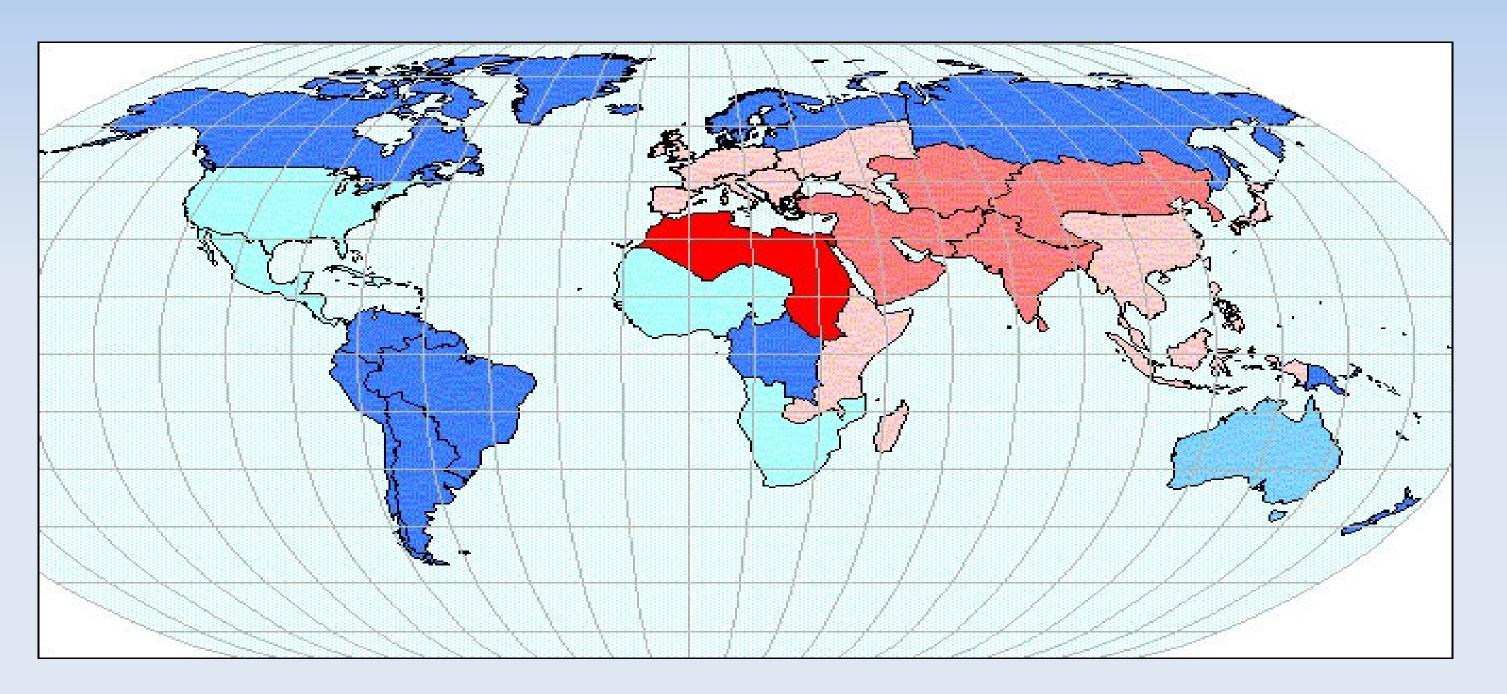


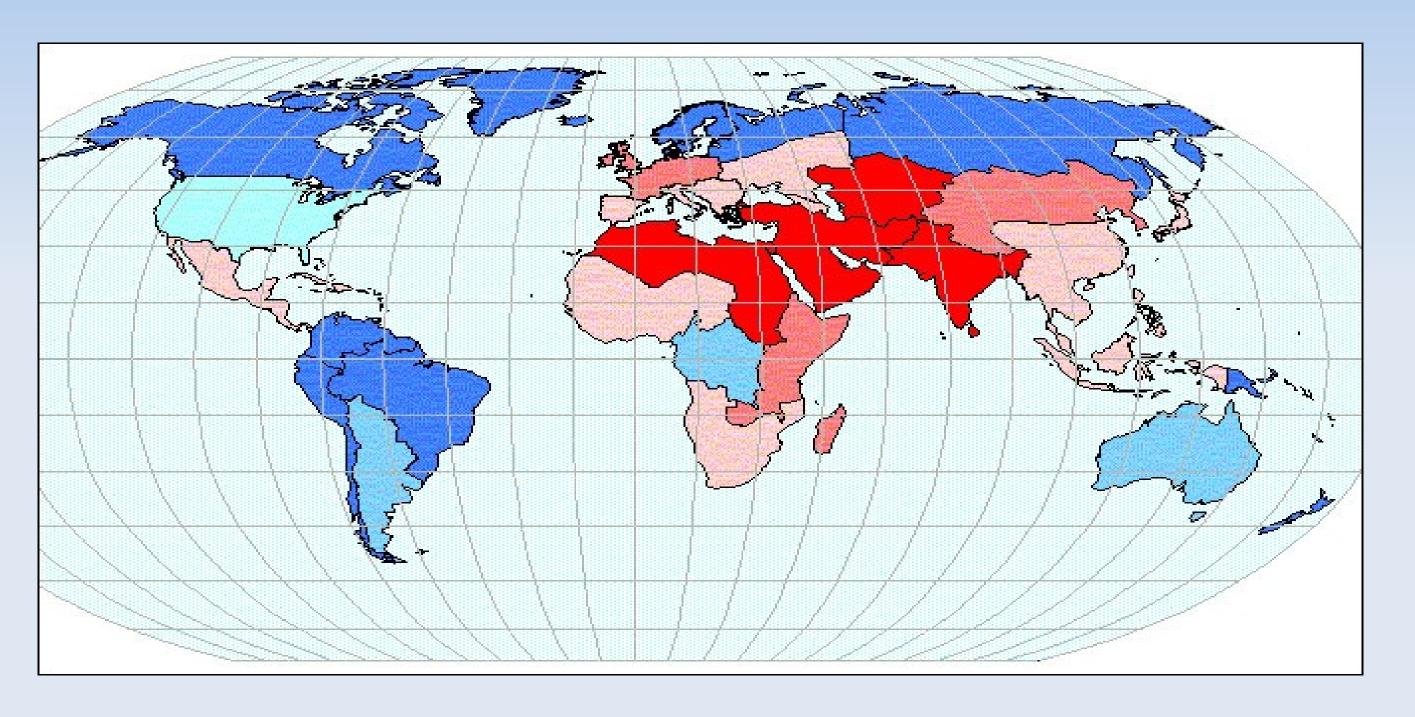
What is the problem?



Why is this a problem? 1950







What is the problem?

66% Agriculture

20% Industry

10% Household

4% Evaporates

What are the clues? Complexity

Heterogeneous

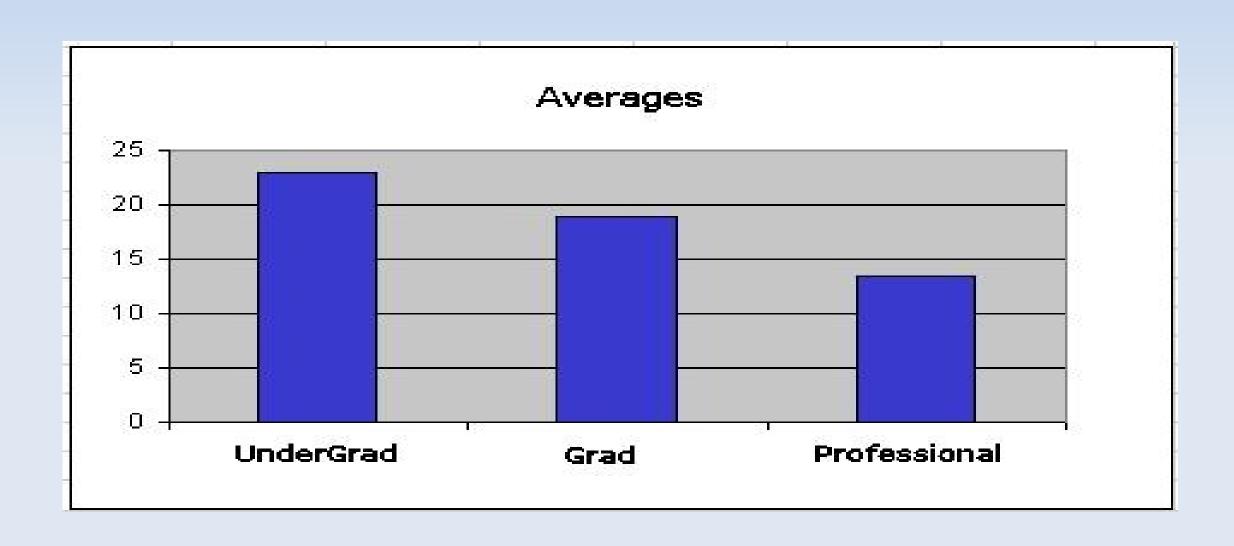
Many Length Scales

What are the clues?

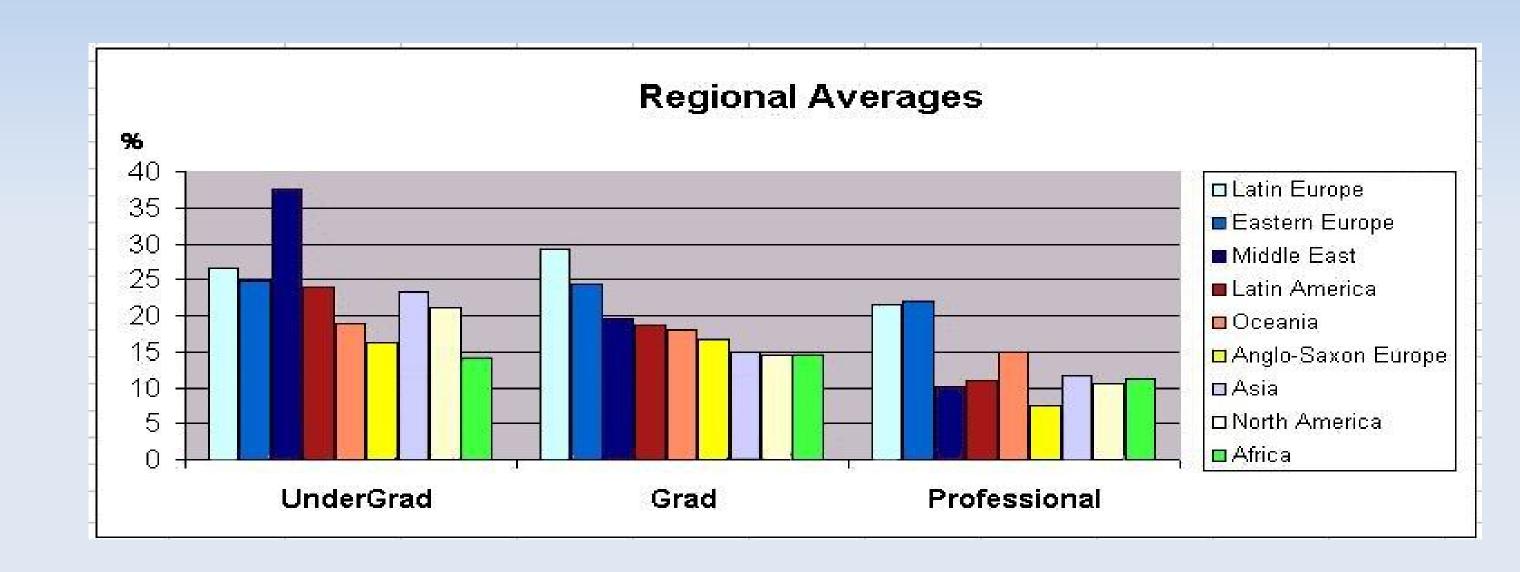
Better Management

Scientific Discovery

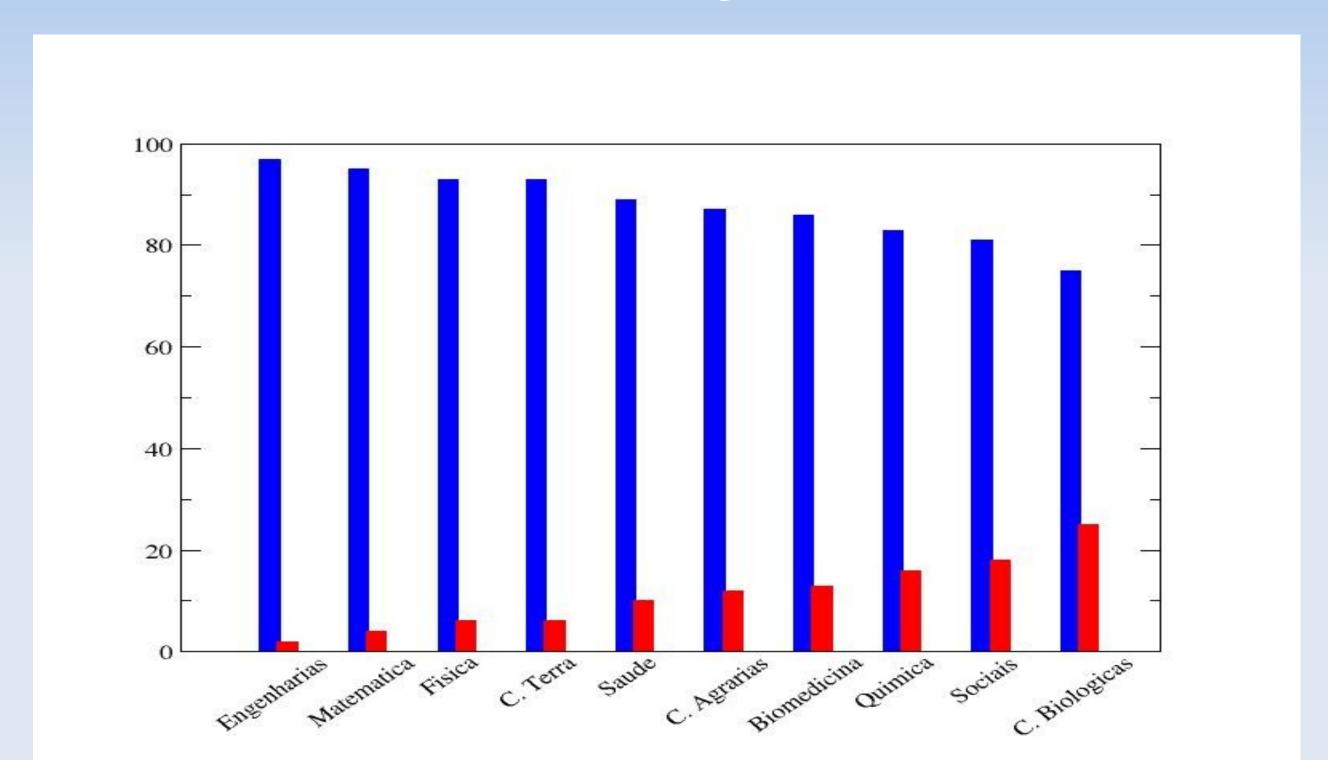
What is the problem?



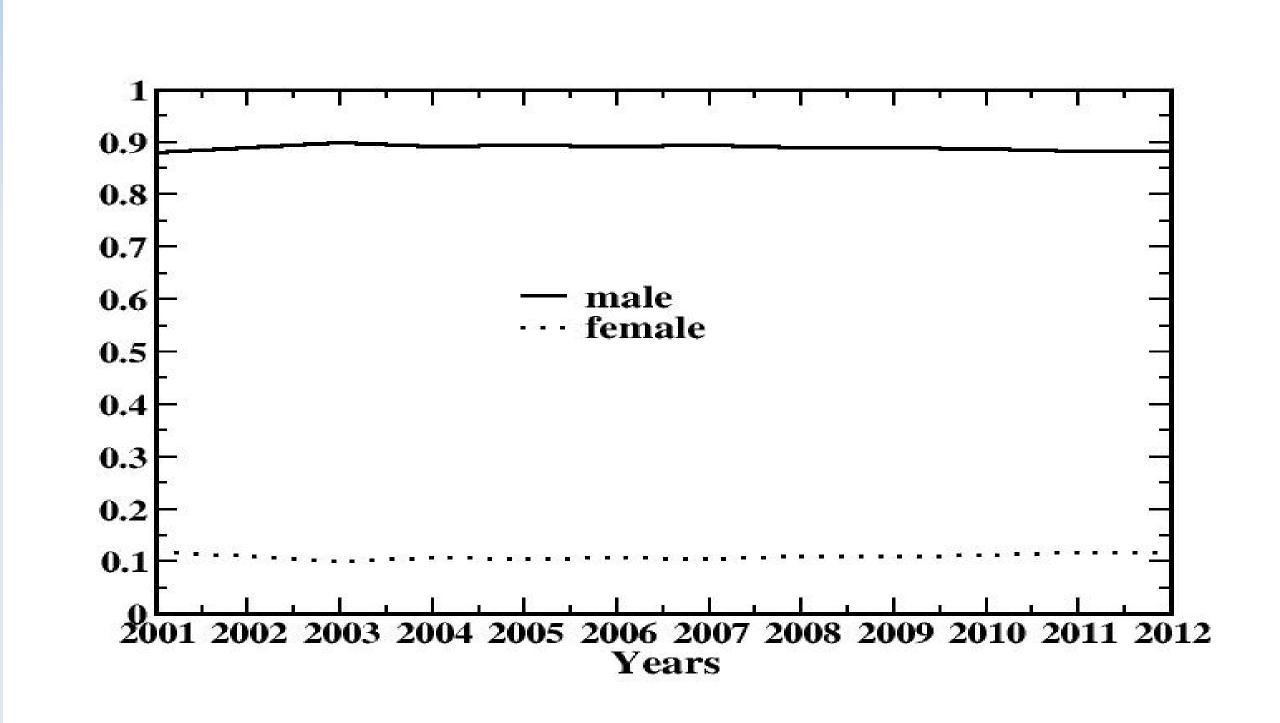
Regional Averages



Brazilian Academy of Sciences



Question of time?





WATER AND GENDER

OF THE WORK
OF GATHERING WATER
AND WOOD IS DONE
BY WOMEN



Women and girls often spend up to 6 HOURS every day fetching water



Reducing the distance to a water source from 30 to 15 min increased girls' school attendance by 12% according to a study in Tanzania

With the same access to productive resources as men, including water, women could increase yields on their farms by 20-30% and lift 150 million people out of hunger



Water Cooperation





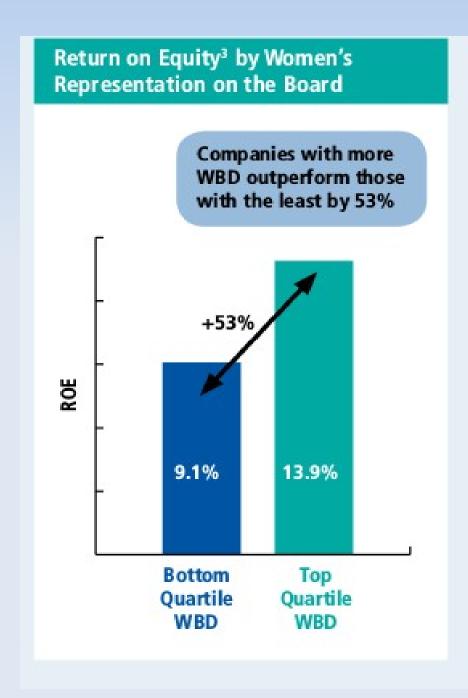
Men and women participation

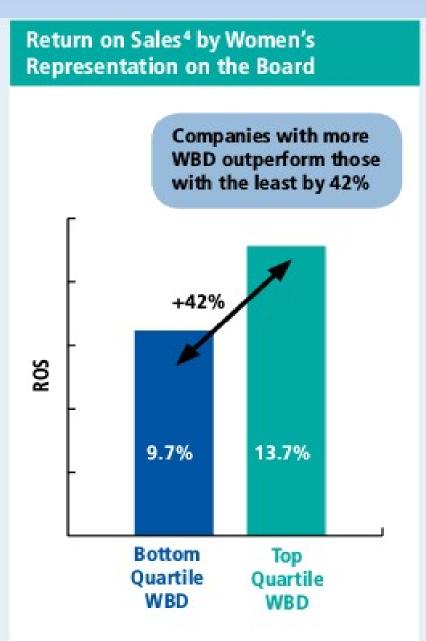


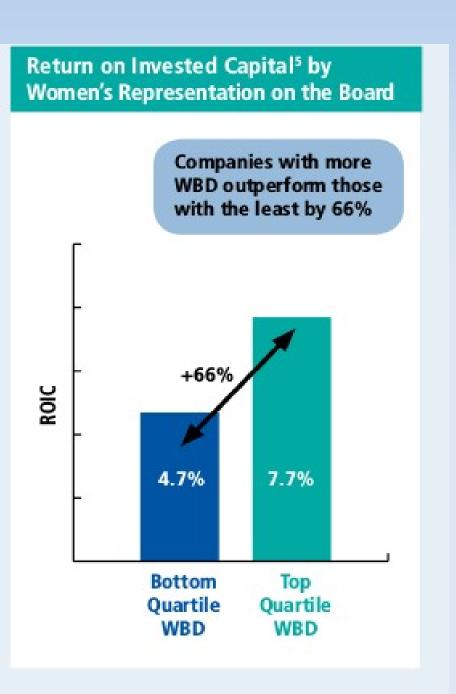
Men and women participation



Advantages on Gender Balance







What are the clues?

Complexity

How can women contribute?

Management

Science

What are the solutions?

In Tanzania, a new water well failed due to the failure of the development workers to include women on the local planning committee. Local soil conditions, of which women alone had knowledge, were not considered and therefore the new well ran dry.



What are the solutions?

The Gramalaya NGO worked with many women's groups when creating India's first sanitized slum in Tiruchirappalli, providing communities with safe drinking water and household and childfriendly toilets. Women in the Sanitation and Hygiene Education group have been responsible for maintenance and repairs and have eradicated open defecation in the area. The program has since been extended to other seven communities.



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	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	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	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





