

# 1st IFIC day on Cultural Diversity

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# The UN World Day

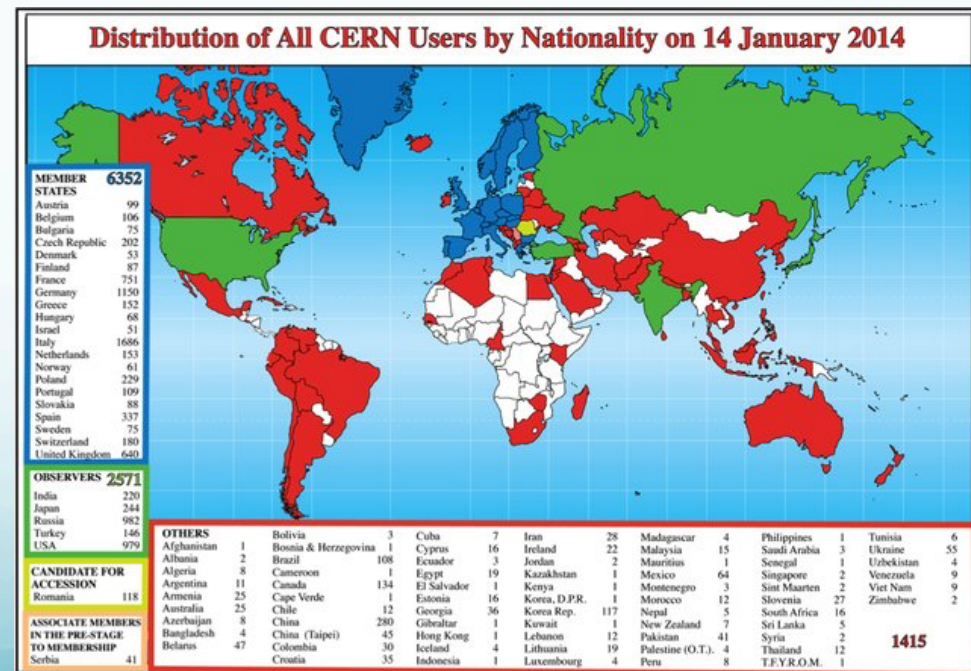
- The World Day for Cultural Diversity for Dialogue and Development is celebrated every year on May 21st
- It was promoted by UN in 2002 to:
  - Highlight the richness of world's cultures
  - Raise awareness of cultural inclusion
  - Promote dialogue to help prevent conflicts
- It is considered by UN as critical as biodiversity

# Physics and nationality

- Clearly, to be national of “some country” and to belong to some “culture” are two different things. Still, data are mostly given in terms of nationality

An example

2014 CERN users  
(Proceedings of the  
Third African School on  
Fundamental Physics at Dakar)



# CERN as an example

Founding members, 1954



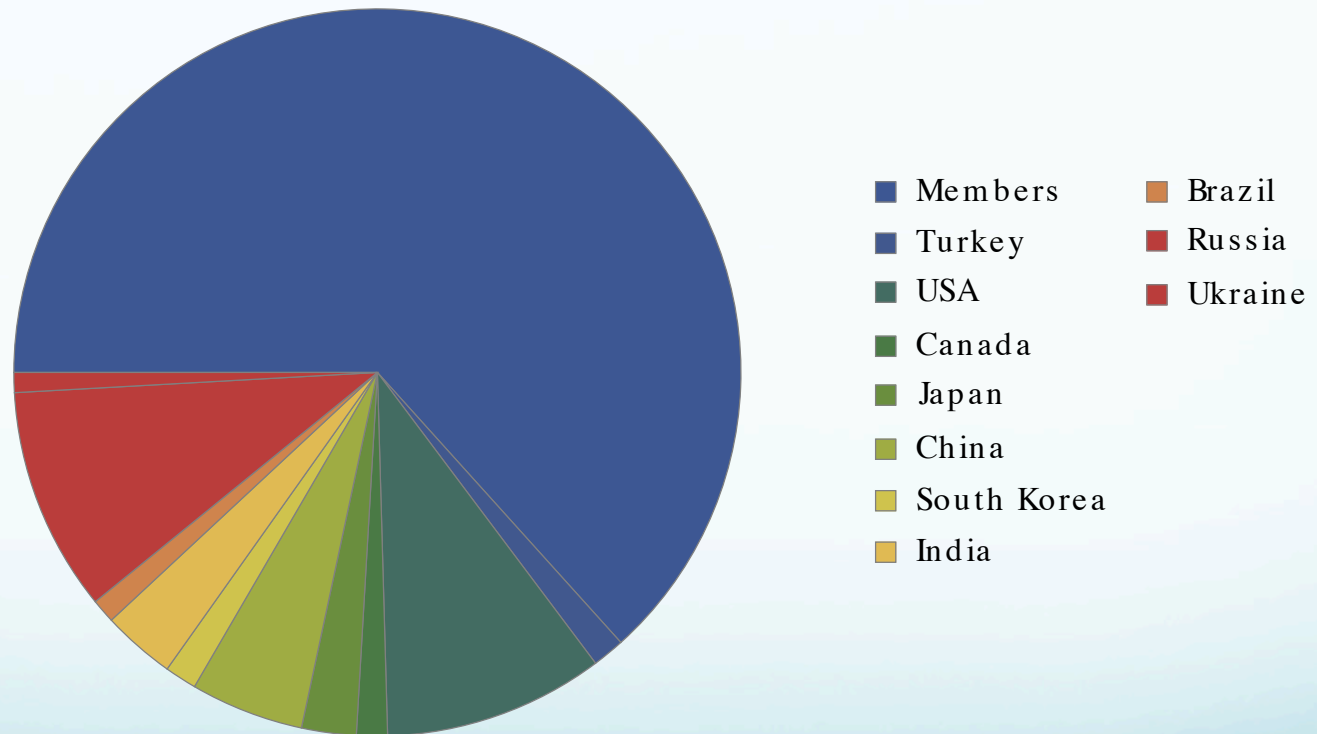
CERN now, 2025



Member states: at the funding level,  
pretty much an European thing....

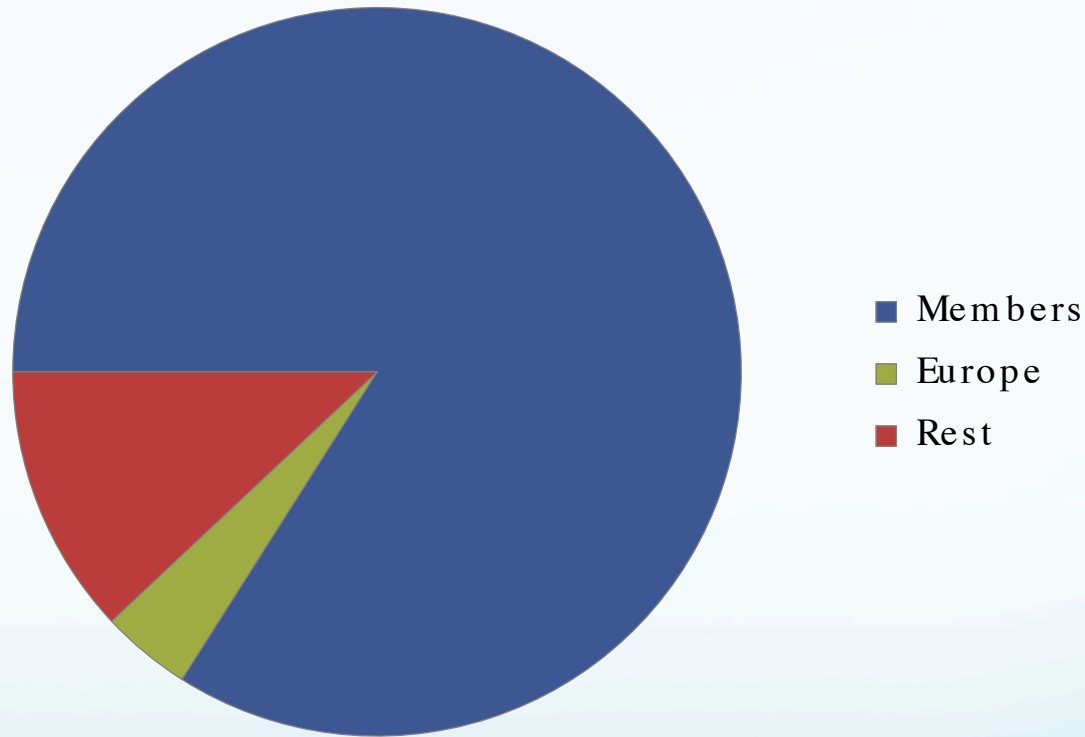


# CERN as an example, 2



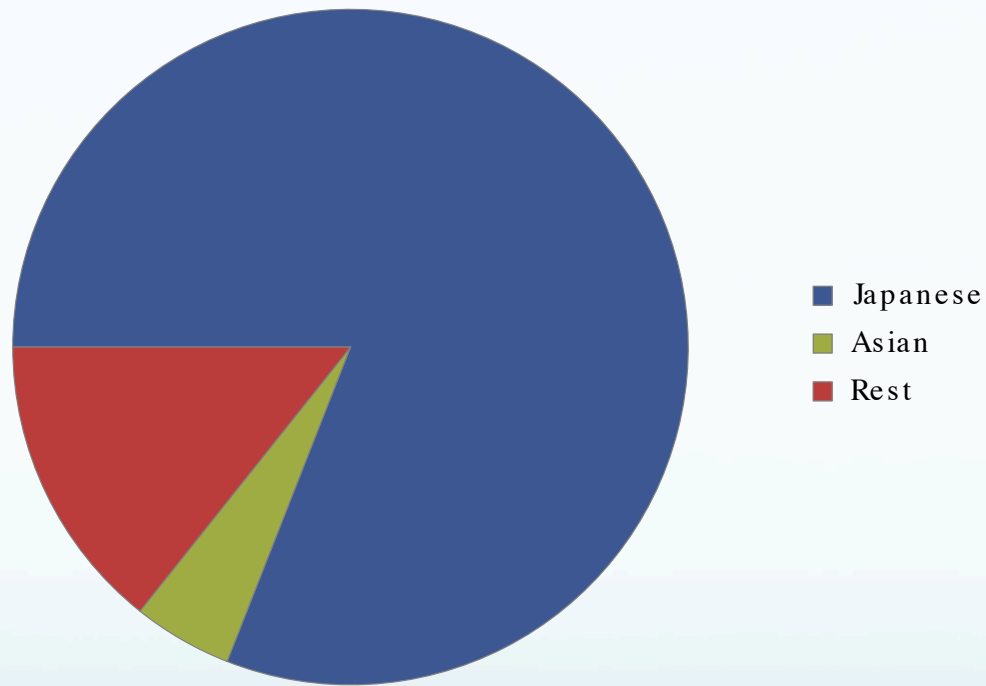
CERN Users as of 2020

# CERN as an example, 3



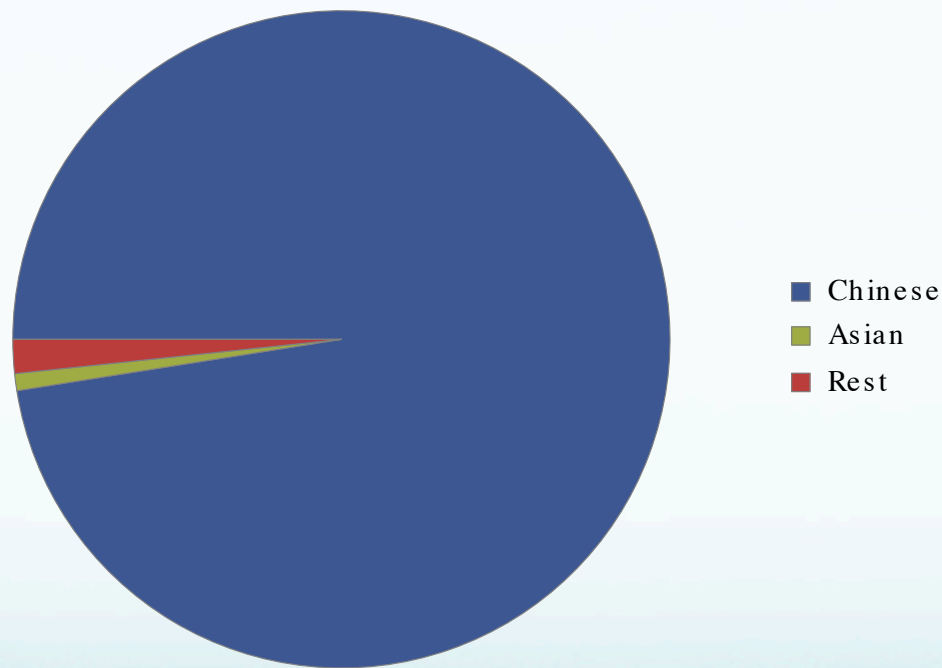
CERN theory division as of 2025

# Comparison: theory dpt



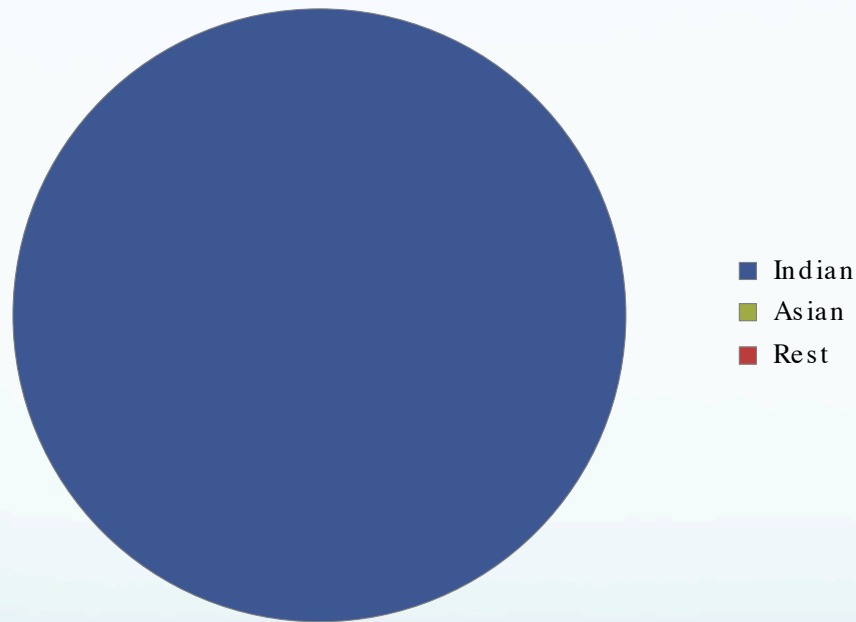
KEK (Tsukuba, Japan)  
theory researchers as of 2025

# Comparison: theory dpt



IHEP (Beijing, China)  
theory researchers as of 2025

# Comparison: theory dpt

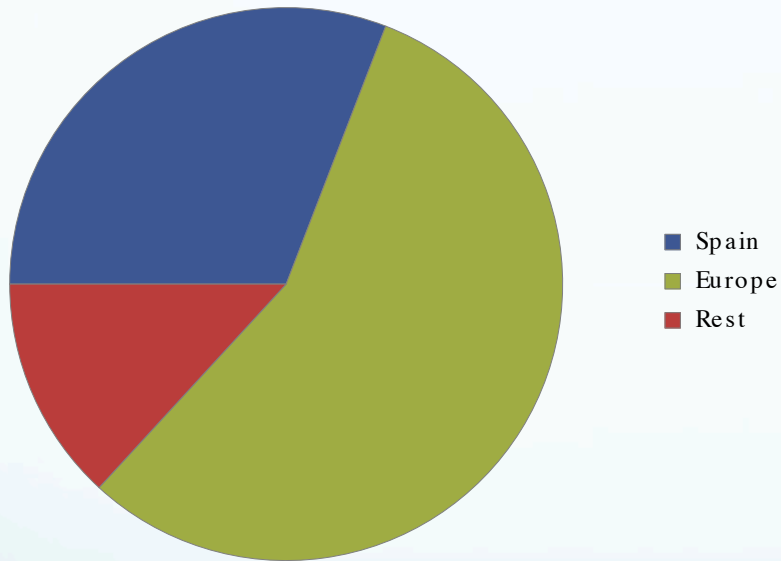


TIFR (Mumbai, India)  
theory researchers as of 2025

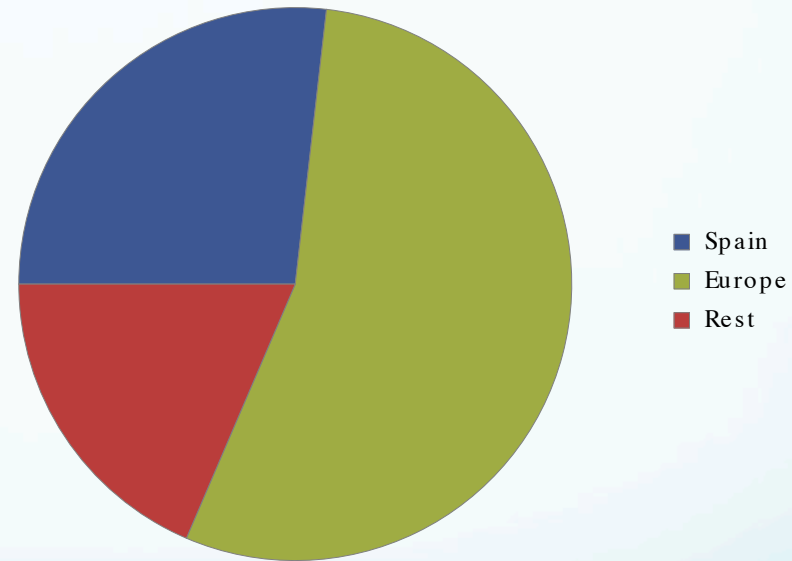
# Multi-”culturality” at IFIC

- IFIC is a rather “diverse” environment from the point of view of nationalities:
  - There are researchers and students from more than 40 countries
  - 87 staff members come from Europe, “only” 69 from Spain
  - PhD students origins are extremely diversified:
    - 53 from Spain
    - 94 from Europe
    - 11 from Asia
    - 20 from the Americas

# IFIC composition by nationalities



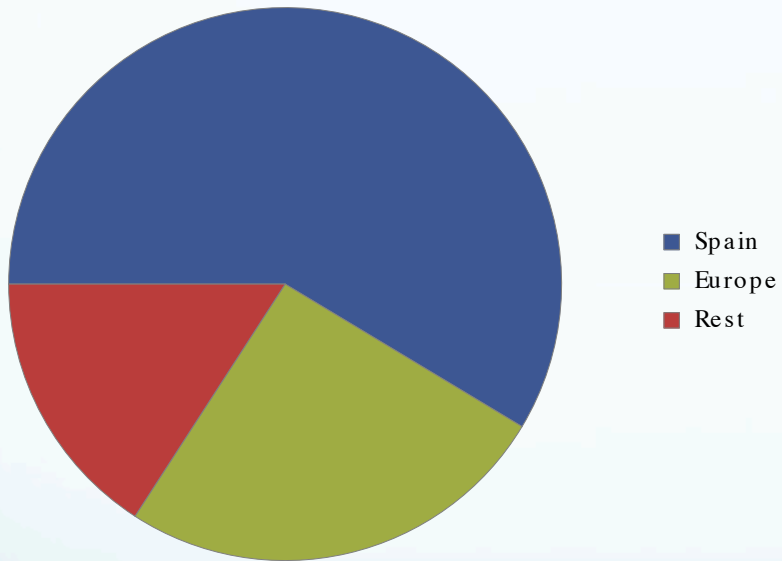
All IFIC members



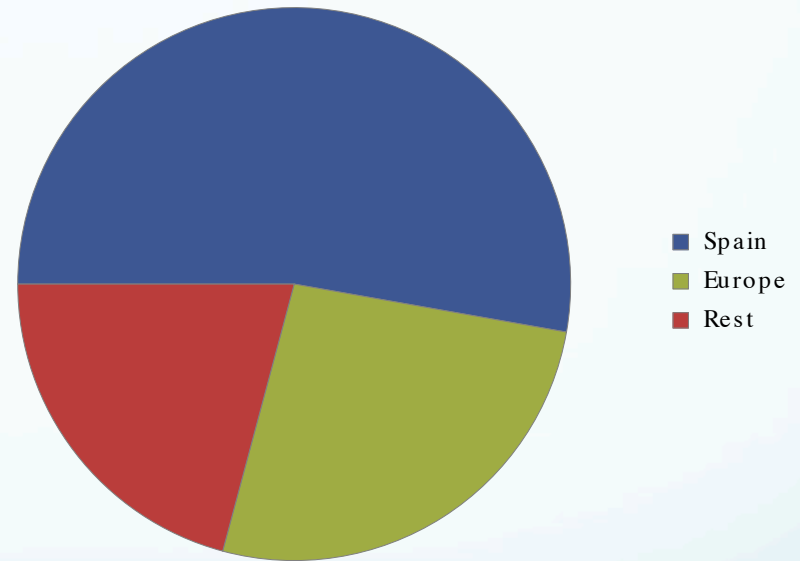
PhD and Post-docs



# A spanish comparison

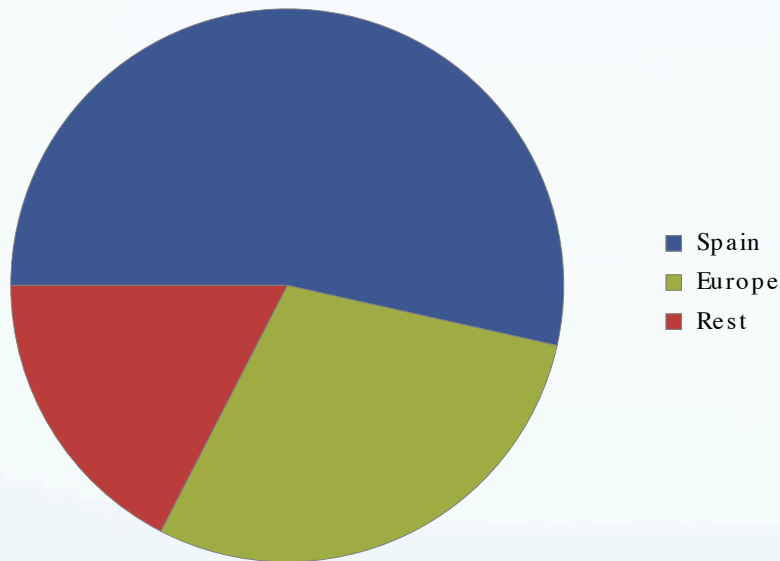


IFIC, theory only

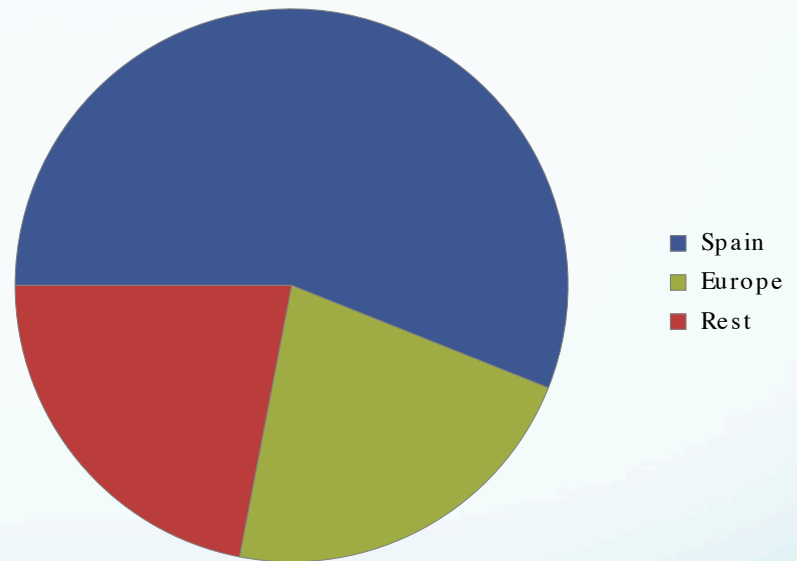


IFT (Madrid)

# A spanish comparison, 2



IFIC, theory only,  
PhD students



IFT (Madrid),  
PhD students

# Culture and Science

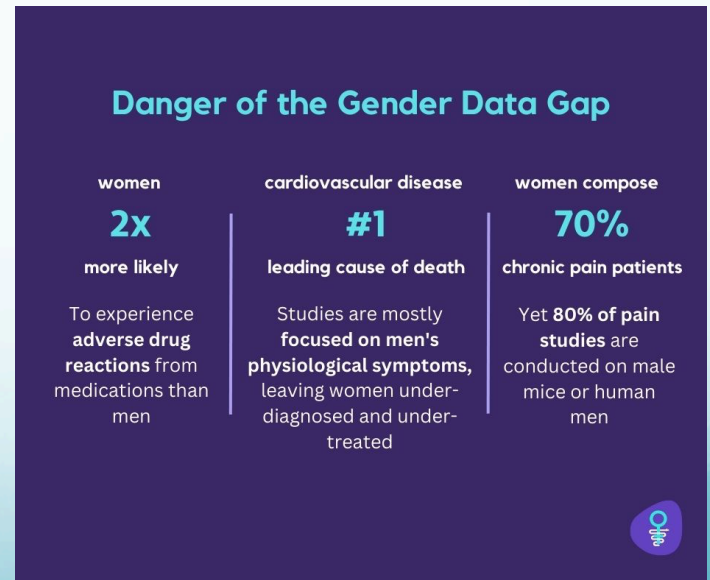
- It is easy to state the impact of “culture” without defining what a “culture” is in certain areas, such as ART



# Culture and Science

- However, does “culture” has an impact on SCIENCE?
  - Most of us will usually pretend that “Science” is objective and, therefore, universal....
  - However, we already know that biological sex may be an issue when testing drugs (i.e. Medicine is NOT universal)

WHAT ABOUT HARD SCIENCE?



# Physics and Gunpowder

## China

Discovery: Tang  
dynasty (IX century)

First chemical formula:  
Song dynasty (XI  
century)



## Europe

Brought during Mongol  
Invasions (XIII century)

Artillery: first cannons  
in 1346





# Physics and nuclei

No need to put  
a picture here



# Physics and history

- The development of gunpowder brought interest in:
  - Kinematics
  - Ballistics
  - ....
- The development of nuclear bombs brought investment in:
  - Nuclear physics
  - High-energy physics
  - ....
- HISTORICAL CONDITIONS DETERMINE WHICH PHYSICS WE ARE INTERESTED INTO



# Physics and Culture

Will CULTURAL  
DIVERSITY in Physics  
bring to different goals?