

# From past to future: why does science diplomacy matter –for Europe and beyond?



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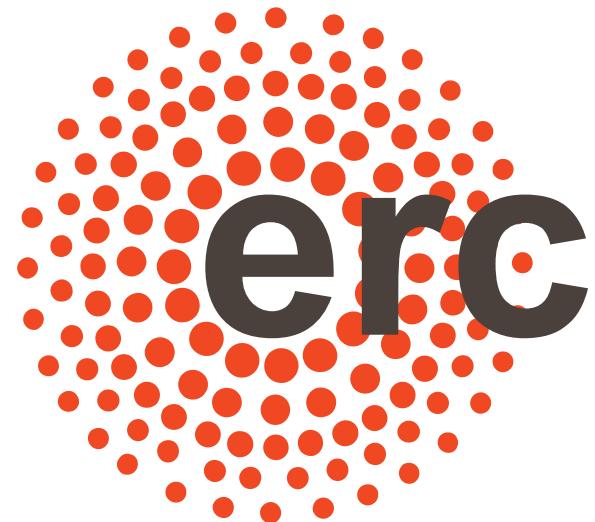
## Conference, Science diplomacy for development and peace

Bologna, 9 May 2017

Angela Liberatore

Head of Unit Social Sciences and Humanities

# The European Research Council



# Frontier Research & Science Diplomacy



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I believe that in this "New World Dis-Order",  
science diplomacy and international scientific  
cooperation will become increasingly more  
important. *Commissioner Carlos Moedas*

ERC contribution to 'open to the world' &  
'bottom-up' science diplomacy  
→ signing of the EU-CANADA  
Implementing Arrangement

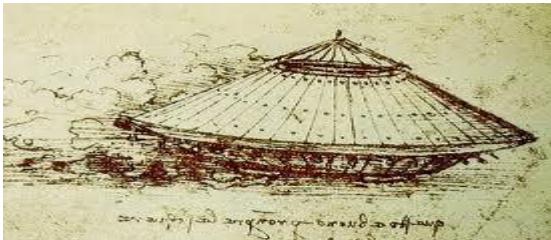


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# Science Diplomacy for Peace



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Organisation for the  
Prohibition of Chemical  
Weapons (OPCW)



**IPCC**  
INTERGOVERNMENTAL  
PANEL ON  
CLIMATE CHANGE



 **IAEA**  
International Atomic Energy Agency

**Pugwash**  
Pugwash Conferences  
on Science and World Affairs  
Nobel Peace Prize 1995



# Science diplomacy (re) emergence: Cold War and post Cold-War –theory...



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Analysts: De Cerreno & Keynan, ed,  
Scientific cooperation, state conflict: the  
role of scientists in mitigating  
international discord, 1998.  
*The political role of scientific  
cooperation*, Skolnikoff, 2001; *Scientists  
and international relations: a European  
perspective*, Salomon, 2001,  
Turekian, 2007 ...etc.....

## SCIENCE & DIPLOMACY

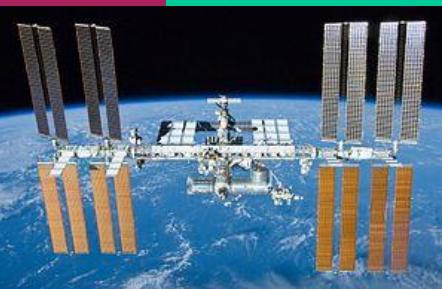
A quarterly publication from the AAAS Center for Science Diplomacy

### New frontiers in science diplomacy, 2010



# Science diplomacy (re) emergence: Cold War and post-Cold-War -...and practice

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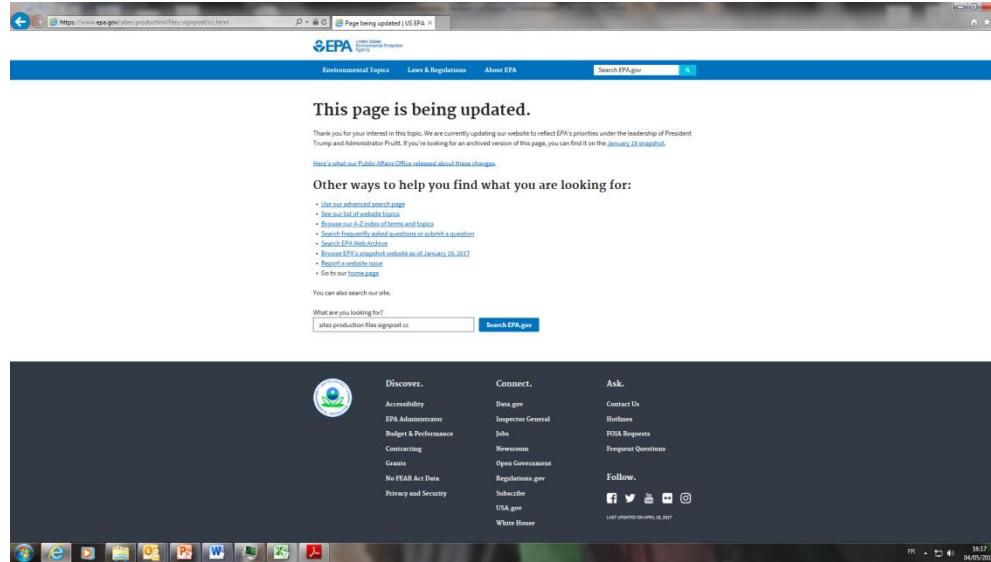


# Challenge 1: access to data in a big data world



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- **Scientists are frantically copying U.S. climate data, fearing it might vanish under Trump (Washington Post, 13/12/2016)**
- **EPA removes climate change data, other scientific information from website (USA Today, 29/4/2017)**



# Challenge 2: Researchers' safety and academic freedom



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*"We need intellectual interaction more than food; we need to keep our minds alive. Our brains are dying here".*

<http://www.arab-reform.net/young-refugees-jordan%E2%80%99s-zaatari-camp-are-hungry-knowledge>

# Challenge 3: avoid 'parachute science'

## 'Parachute research'

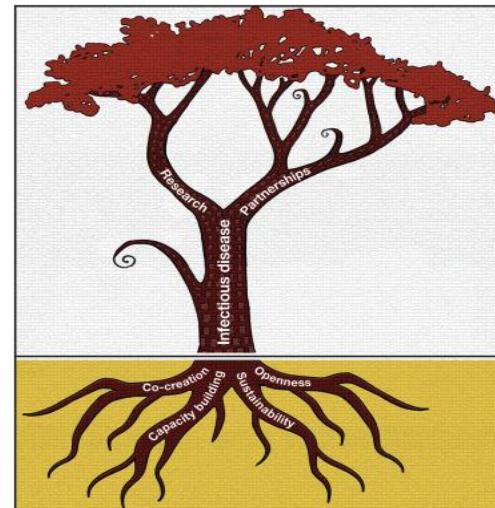
*Hawaii's Telescope Controversy  
Is the Latest in a Long History of  
Land-Ownership Battles,  
Scientific American, 11/12/2015  
(alternative site in Las Palmas, 31/10/2016)*



VS

## Rooted research

**collaboration (Yozwiak et al, Cell, 29/6/2016)**



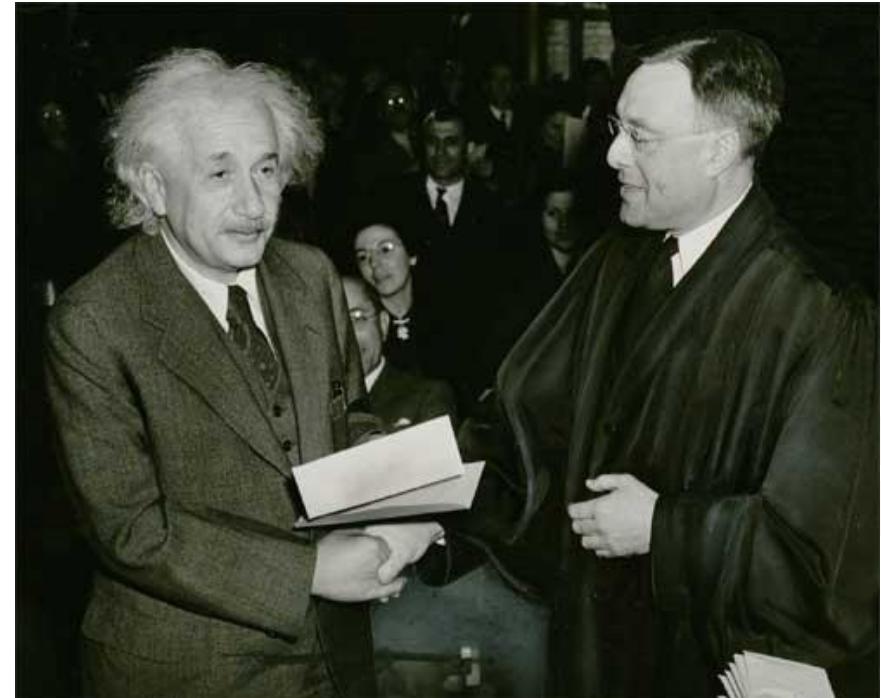
# Challenge 4: the role of scientific diasporas



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**Iranian Becomes First Woman To Ever Win  
The "Nobel Prize" Of Mathematics**  
Maryam Mirzakhani, Professor at Stanford  
University



| Judge Phillip Forman hands Albert Einstein his certificate of American citizenship on October 1, 1940. (Wikimedia Commons)

# Science Diplomacy: build bridges, address regional & global challenges



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"We have a responsibility to share our knowledge with people in countries throughout the world, whatever our diplomatic relationships may be" Peter Agre, Nobel Prize in Chemistry



TWAS, Trieste, June 2014