

Overview and Tips for Policy Fellowships

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Agenda

- I. Scientists and Engineers in Policy
- II. AAAS STPF Fellowship
- III. Other Fellowships
- IV. Questions

How many members of congress are from science and engineering backgrounds?

- A. Less than 10%
- B. 10%-20%
- C. 20%-50%
- D. 50%-70%
- E. Greater than 70%

How many members of congress are from science and engineering backgrounds?

- There was 1.5 physicists, 1 mathematician, 1 microbiologist and 1 chemist in the 115th Congress (1/3/17-1/3/19) – 3%
 - ▣ 8 members have engineering degrees, 21 medical
 - ▣ 218 have law degrees
 - ▣ Only 24 have doctoral degrees
- 11 elected to 116th congress (~9% science, engineering and health now)- 2 PhDs
 - ▣ 314action.org

How many members of congress are from science and engineering backgrounds?

- Current 117th Senate, of 10 new members
 - ▣ Warnock (PhD in Theology)
 - ▣ John Hickenlooper (CO, Masters in Geology)
 - ▣ Mark Kelly (AZ, Masters in Aeronautical Engineering)
- House of Representatives (60 new)
 - ▣ Eight did not earn a four-year degree
 - ▣ Two MDs (Texas and Iowa)
 - ▣ Doctor of Pharmacy (Tennessee)
 - ▣ Undergraduate-3rd were STEM

<https://www.forbes.com/sites/michaelnietzel/2021/01/08/the-college-profile-of-the-new-members-in-the-117th-congress/>

AAAS STPF Fellowship

Mission

To connect science with policy and foster a network of science and engineering leaders who understand government and policymaking, and are prepared to develop and execute solutions to address societal challenges.



AAAS STPF Fellowship Process

- November 1st Application deadline
- Early Spring – Semi-Final interviews
- Late Spring – Finalist Interview week
- May-July Fellowship matching
- September start

Application/Interview Tips

- Integrate past and current legislation
 - ▣ <https://www.congress.gov/>
- Speak to broad skills (Systems, GIS, literature synthesis, etc.)
- Wear comfortable shoes!
 - ▣ Pass left, stand right
- Be open



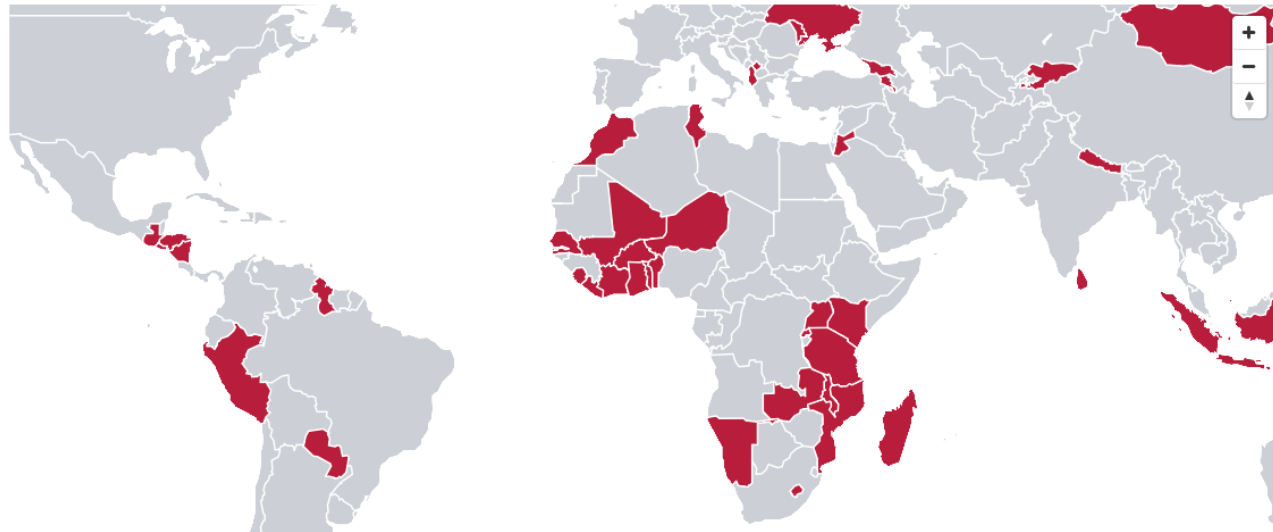
Millennium Challenge Corporation (MCC)

- Mission: Poverty reduction through economic growth
- Started in 2005 by the Bush Administration
- Works in well-governed low and middle income countries
- ~300 employees
- Country-led
- Data driven
- 5 year compacts

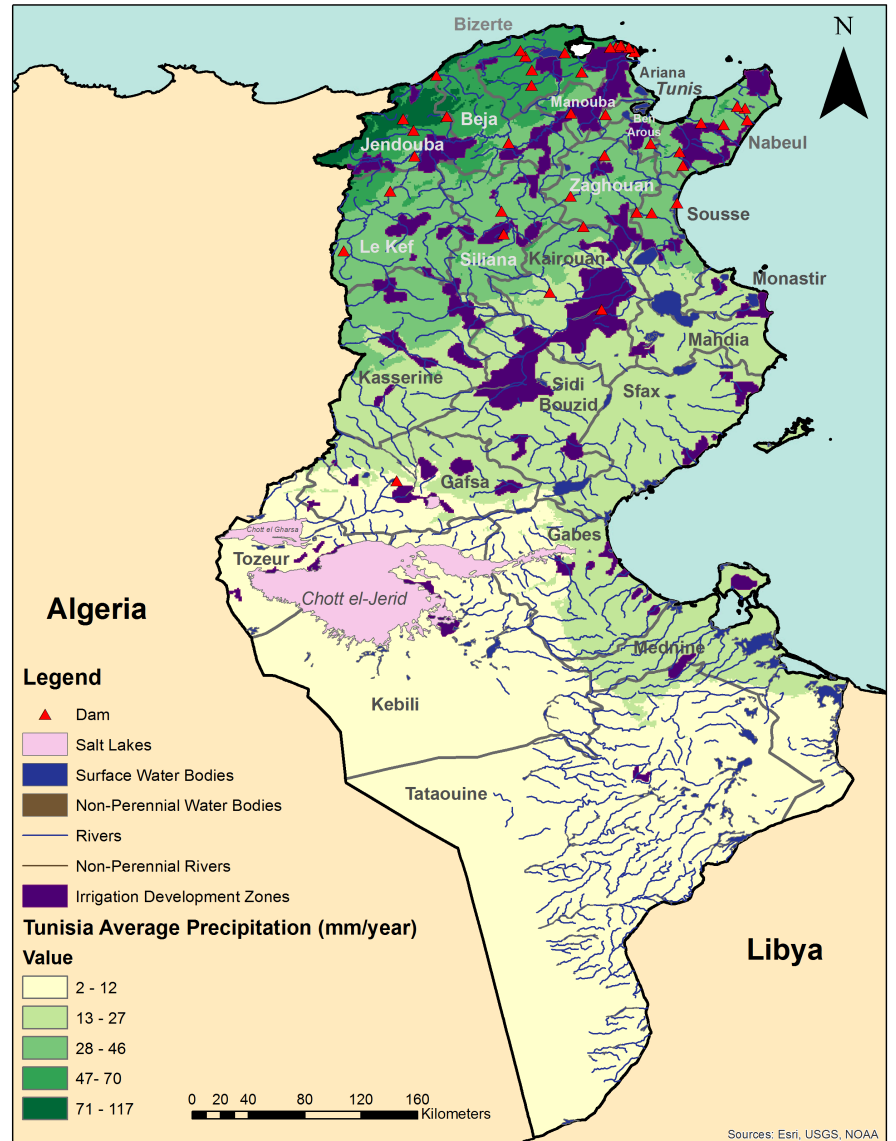


MILLENNIUM
CHALLENGE CORPORATION

UNITED STATES OF AMERICA



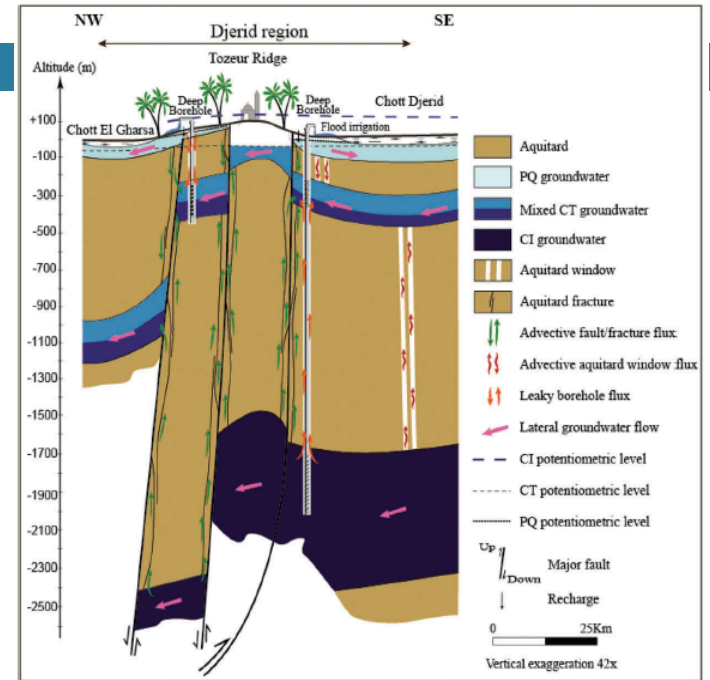
Tunisia Water Scarcity Project



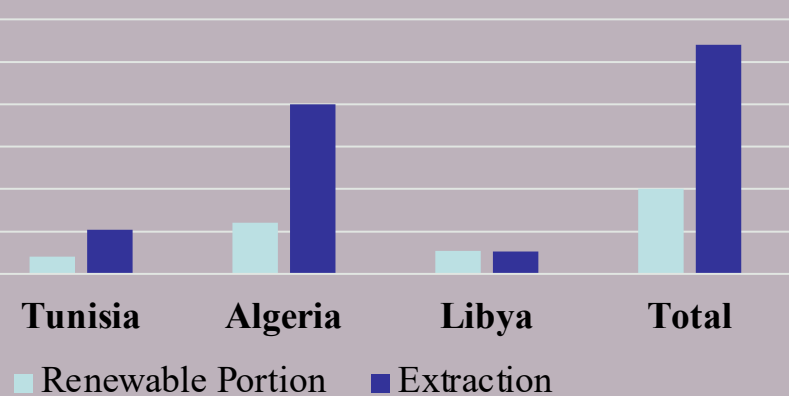
Oases Activity



Transboundary Waters



**NWSAS Aquifer
Water**
(billion m³/year)



Oases Activity



Tunisia Water Scarcity Project- country ownership



Not all work...




Other Policy Fellowships

- Oak Ridge Institute for Science and Education (ORISE)
- Christine Mirzayan Science Policy Program (National Academies)
- Presidential Management Fellowship (PMF)
- California Science and Policy Fellowship
- Women's Congressional Policy Institute
- IEEE State Department Fellows
- Congressional Black Caucus Fellowships
- Congressional Hispanic Caucus Institute

Science Communication

- Avoid jargon
 - ▣ Lose academic speak
- Be to the/a point
 - ▣ Avoid excessive detail
- Can you explain it to your grandmother?
- Can you explain it to a eight year old?
- Tell a story
- Follow up, stay in contact, be available

A scenic landscape at sunset. The sun is low on the horizon, casting a warm, golden glow over the scene. In the foreground, a dirt road with a stream running through it leads towards the background. The stream is filled with water and has some ice or snow patches. The background shows rolling hills and a line of trees. The overall mood is peaceful and contemplative.

If I had more time, I
would have written less.

Mark Twain

 quoteLand

Thank you!

- ❑ Questions?
- ❑ Contact: cnaughton2@ucmerced.edu
- ❑ @naughtoncc
- ❑ Acknowledgements

