

International Science Partnership (ISP)

Yemen Pilot



The Federation of American Scientists
Charles D. Ferguson II
Lindsey E . Marburger



The Federation of American Scientists, an independent, nonpartisan think tank and membership organization, is dedicated to providing rigorous, objective, evidence-based analysis and practical policy recommendations on national and international security issues connected to applied science and technology.

- FAS Works In:
 - Earth Systems
 - Strategic Security
 - Biosecurity
 - The VBC is sole source from ODNI
 - Learning Technologies

International Science Partnership (ISP)

- A science diplomacy program designed to bring together American scientists and engineers with counterparts in developing countries to build relationships between scientists and to solve key environmental issues through long term partnership.
- The purpose of the ISP is to:
 - Connect U.S. scientists and engineers with their counterparts in countries with which the U.S. has a limited formal relationship, especially those considered to be a security risk
 - Address and solve issues environmental issues that threaten social and environmental security and sustainability
 - Engage diverse groups of stakeholders and academics in addressing science and environmental issues

ISP Goals

- In the short term bring together participants to:
 - Carry out joint research
 - Share knowledge and best practices
 - Find practical solutions to critical environmental and science challenges.
 - Provide valuable training and career opportunities to participants
- In the longer term:
 - Build capacity of all participating institutions
 - Engage civil society and the government in science and the science debate
 - Develop stakeholder-focused

What is missing in science engagement?

- Long term
- Early career participants
- 2-way sharing
- Applied focus
- Interdisciplinary participants
- Engage stakeholders



Why Yemen?

- Perception of security
- Capacity
- Shared environmental concerns
- Historical resource management





كليات الهندسة بجامعة صنعاء ترحب

بالسيد الدكتور تشارلز فيرغسون رئيس اتحاد العلماء الأمريكيين والسيدة ليندسي ماربرغر
للبدء في حوار بتطوير الشراكة بين العلماء الشباب في الولايات المتحدة الأمريكية واليمن

Faculty of Engineering at Sana'a University welcomes

Mr. Dr. Charles Ferguson, head of the Federation of American Scientists

and Ms. Lindsey Marbergr to begin a dialogue

to develop a partnership between the young scientists in the U.S. and Yemen

3rd of August 201



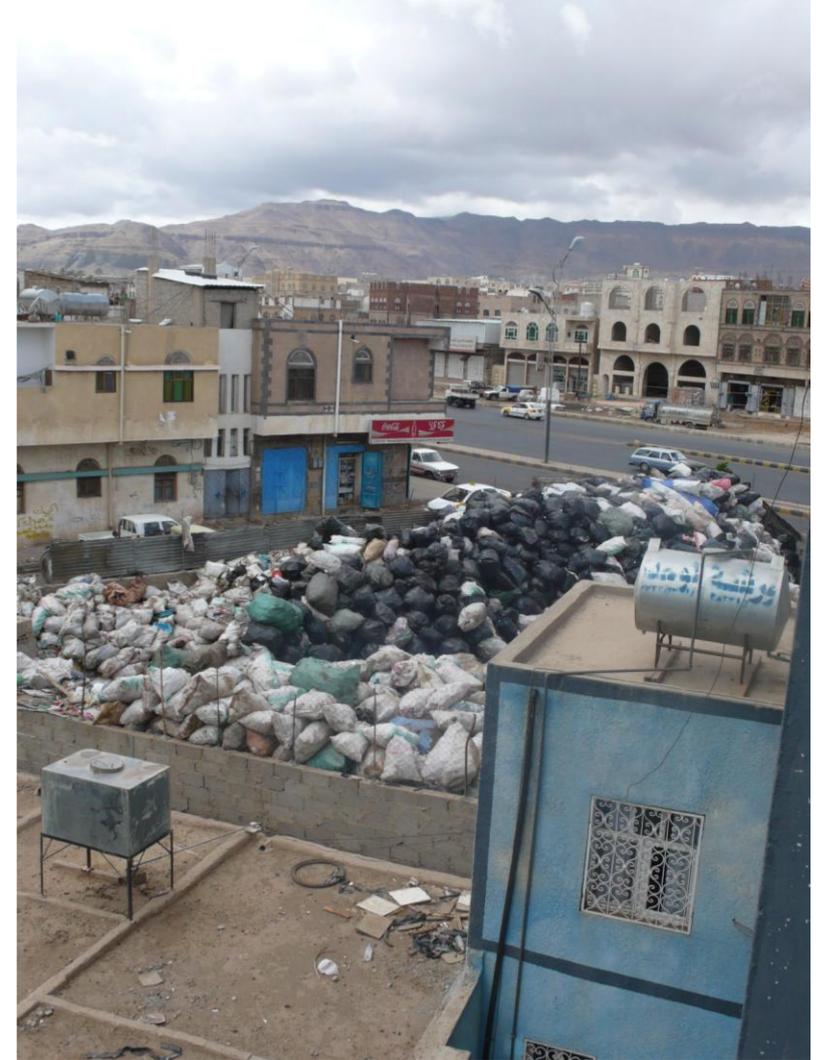
FAS Exploratory Visit

50+ person conference

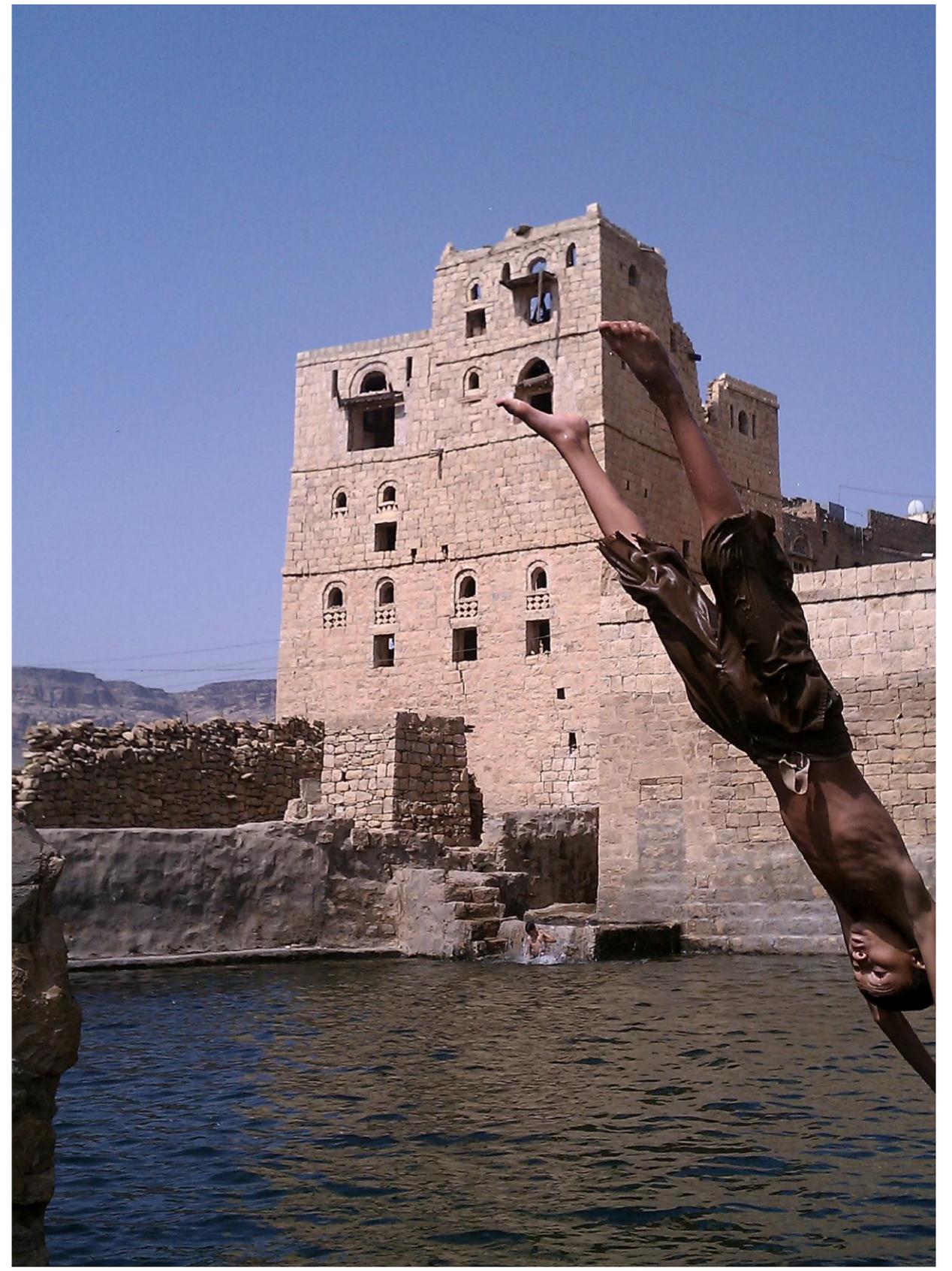


Key Meetings

- Government: Minister of Water and the Environment and Minister of Higher Education
- Academia: university leadership and faculty from 5 cities and in faculties of engineering, science, agriculture, geography, and archaeology
- Civil society: environmental NGOs and local tribal leaders



Defining Yemen's Critical Environmental Needs and Challenges



Findings: Yemen has the Necessary Capacity, Willingness, and Experience to be a Valuable Partner

Next Steps and Plans

- Signed MOU with Faculty of Engineering in at Sana'a University
- Pilot project on water-energy nexus
- Traditional building project
- Build internal scientist network
- Water management workshop with tribal leaders

FAS

FEDERATION OF AMERICAN SCIENTISTS

