



INSPIRING AN INCLUSIVE FUTURE

Tackling Global Challenges: Science Diplomacy in Fulbright Exchanges



SEE THE SESSION WEBSITE

www.fulbright.fi/tackling-global-challenges-science-diplomacy-fulbright-exchanges

- **Terhi Mölsä**
Fulbright Finland Foundation
- **Sarah J.R. Staton**
Office of Science and Technology
Cooperation
U.S. Department of State
- **Mary E. Kirk**
Office of Academic Exchange
Programs, U.S. Department of State
- **Luiz Valcov Loureiro**
Fulbright Commission in Brazil



Five Windows To Inclusive Science Diplomacy



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Introduction

Fulbright Fuels Science Diplomacy:
From a scientist to a science diplomat

New Multi-Country Opportunities:

- Fulbright Arctic Initiative
- Fulbright Amazonia Initiative

Together Shaping the Future:

A country case study for everyone

Recommendations for Future Programs and Initiatives





#CulturalDiplomacy

#PeaceProgram

#PeopleToPeopleExchanges

#AcademicExchanges

#PublicDiplomacy

#EducationDiplomacy

#PeopleToPeopleDiplomacy

#ArtsDiplomacy

#KnowledgeDiplomacy

#Leadership

#ScienceDiplomacy

#ProfessionalExchanges

#CitizenDiplomacy

#InnovationDiplomacy

#EducationalExchanges

#CulturalExchanges

Three Dimensions of Science Diplomacy

- Science *in* Diplomacy
- Science *for* Diplomacy
- Diplomacy *for* Science

New Frontiers in Science Diplomacy, Royal Society, 2010

”

The process of strengthening relations between and among countries through international higher education, research, and innovation. It involves a wide variety of state and non-state actors. [...] It brings together these diverse actors from different sectors and disciplines to address global, regional, and national issues that one country cannot solve alone, and to promote better relations.

- Jane Knight: *Knowledge Diplomacy vs. Soft Power*, 2022



Fulbright Fuels Science Diplomacy

Sarah J.R. Staton, Ph.D.
Deputy Director
Office of Science and Technology Cooperation
U.S. Department of State

Power of Science Diplomacy

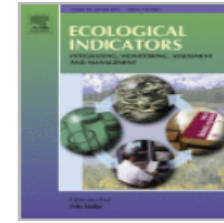
- Feeds innovation and emerging technologies
- Address global challenges and climate change
- Cultivates S&T startups
- Building bilateral relationships
- Steers norms and standards







Swimming in Protein Soup

- U.S. Student Research Grant in Chemistry
- Ecuador- 2009



Ground level environmental protein concentrations in various ecuadorian environments: Potential uses of aerosolized protein for ecological research

Sarah J.R. Staton^{a 1}  , Andrea Woodward^b, Josemar A. Castillo^{a 2}, Kelly Swing^c,
Mark A. Hayes^a

Collaboration

USGS and Universities in the U.S. and Ecuador,



Fulbright as Inspiration

- Open doors
- Creates new career paths
- Multiple Fulbright awards
- Bringing the world home



Supporting Global S&T Changemakers

- Expense of science and tech research
- Equity
- Blending funding sources
- Support from institutions and advisors





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Fulbright Arctic Initiative

Mary Kirk, Office Director
U.S. Department of State
Bureau of Educational and Cultural Affairs
Office of Academic Exchange Programs

The Arctic Initiative: A New Fulbright Model

- Multi-lateral
- Multi-disciplinary
- Interactive and responsive
- Applied
- Policy relevant
- Community involvement
- Public Outreach



The Arctic Initiative: History

- Established to coincide with the 2015-17 U.S. Chairmanship of the Arctic Council the first cohort of 17 scholars focused on themes of Energy, Water, Health and Infrastructure
- 2018-2019 - Second cohort of 16 scholars focused on the themes of supporting health and well-being in Arctic communities and sustainable Arctic economies
- 2021-2023 – Third cohort of 19 scholars focused on the themes of Arctic Security and Cooperation, Arctic Infrastructure in a Changing Environment, and Community Dimensions of Health. Closing meeting occurred on April 24-28, 2023 in Washington, D.C.



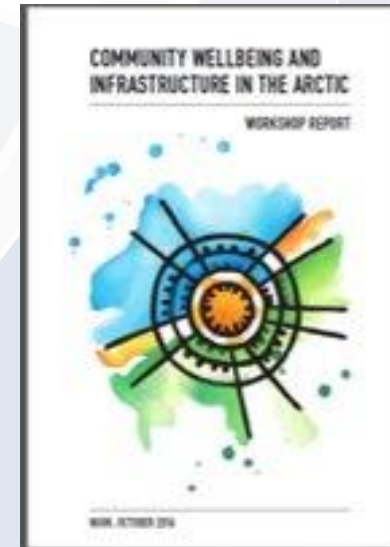
Fulbright Arctic Initiative III

- ▲ One virtual Kick-off Meeting
 - ▲ March 2021
- ▲ Three in-person seminars
 - ▲ Iceland – June 2022
 - ▲ Canada – September 2022
 - ▲ Washington, D.C. – April 2023
- ▲ Virtual collaboration
- ▲ Individual research exchange visits
- ▲ Public engagement



Fulbright Arctic Initiative Products and Outcomes

- ▲ Original research
- ▲ Policy recommendations
- ▲ Conferences and workshops
- ▲ Leveraged funding
- ▲ Community engagement
- ▲ Post-Program collaborations



Fulbright Arctic Initiative Week – Washington, D.C. April 24-28



Panels at the Wilson Center on Policy Recommendations and Indigenous Scholarship





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Fulbright Amazonia Initiative

Luiz Valcov Loureiro, PhD

Executive Director

Fulbright Commission in Brazil



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Sponsored by the U.S. Department of State
Bureau of Educational and Cultural Affairs





NO COUNTRY

Indigenous woman during the COVID19 pandemic (Ecuador)

Photo: ANP/eyman

CAN TACKLE ALONE

Amazon shared by nine countries



GLOBAL THREATS

Wildfires in 2021 (Brazil)



BRAZIL

PERU

UNITED STATES

SURINAME

COLOMBIA

ECUADOR

VENEZUELA

BOLIVIA

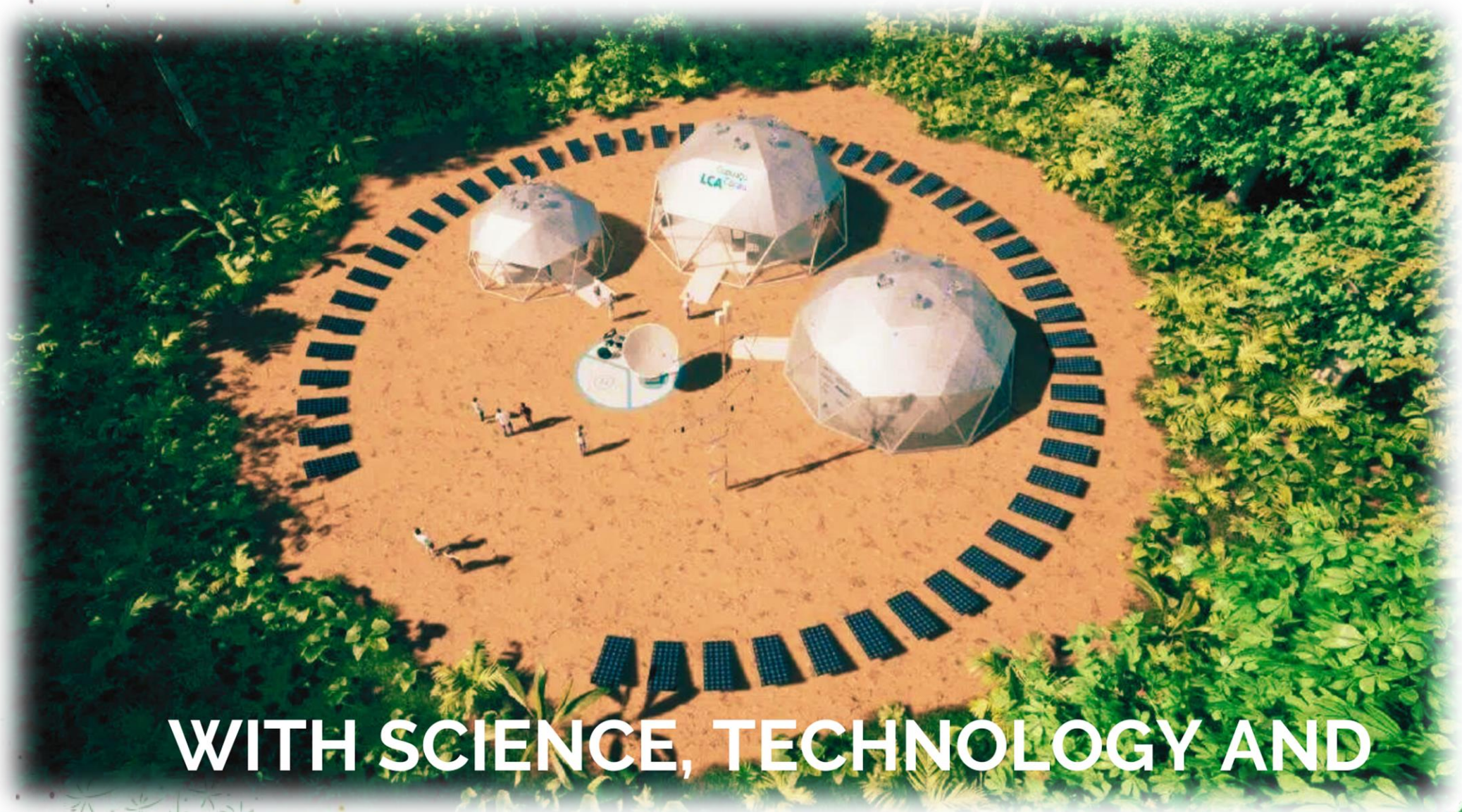
A man with traditional face paint and a beaded necklace is operating a drone in a forest. The drone is visible in the upper left corner of the image. The man is wearing a light blue shirt and a colorful beaded necklace. The background is a lush green forest.

STRENGTHENING SCIENTISTS EMPOWERING LOCAL COMMUNITIES

Photo: Maribella Cruz - WWF

BRIDGING TRADITIONAL KNOWLEDGES





WITH SCIENCE, TECHNOLOGY AND

United Nations
Climate Change



COP27
SHARM EL-SHEIKH
EGYPT 2022

FOREIGN AFFAIRS



Photo: Nadia Pontes/DW



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Instituto Juruá
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UFAC
CTI

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Stony Brook
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Javeriana**
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Cuenca
CELOS**



VISIT

<https://fulbrightscholars.org/amazonia>

FOR MORE INFORMATION





INSPIRING AN INCLUSIVE FUTURE

Together Shaping the Future: A Country Case Study

Terhi Mölsä

Chief Executive Officer

Fulbright Finland Foundation

TOGETHER SHAPING THE FUTURE



The conversation with Minister Haavisto about science diplomacy was a career pivoting experience for me, during my first week as a Fulbright Specialist in Finland. I learned about the term “science diplomacy” for the first time, and now realize this is the mechanism of impact that I have always been passionate about through the translational research that I strive for.

– 2022 U.S. Fulbright Specialist to Finland

What's Next?

- How does all this resonate with you?
- Is solving global challenges a focus at your institution or programs?
- What kinds of Fulbright opportunities or initiatives would you like to see in this area?

What's Next?

Ideas, Suggestions, and Recommendations for the Future



bit.ly/3IF639j
(capital i after 3)

Please complete the session evaluation!

...AND GO TO THE SESSION WEBSITE TO CONTINUE THE CONVERSATION!

