

# THE EQUITY & JUSTICE IN SCIENCE FRAMEWORK

STAR SCOTT, UNIVERSITY OF GEORGIA

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UNIVERSITY OF  
GEORGIA



International Institute for  
Sustainable Laboratories

# LEARNING OBJECTIVES



Explain how equity & justice relate to sustainability



Understand how equity & justice intersect with scientific research



Explore the Equity & Justice in Science Framework



Learn methodology for organizing inquiries of equity & justice in science



A low-angle photograph of a massive, ancient tree with a complex, interconnected network of thick, gnarled branches. The canopy is dense with vibrant green leaves, and a bright sunburst is visible at the top center, filtering through the branches. The overall scene conveys a sense of natural interconnectedness and growth.

We are all interconnected

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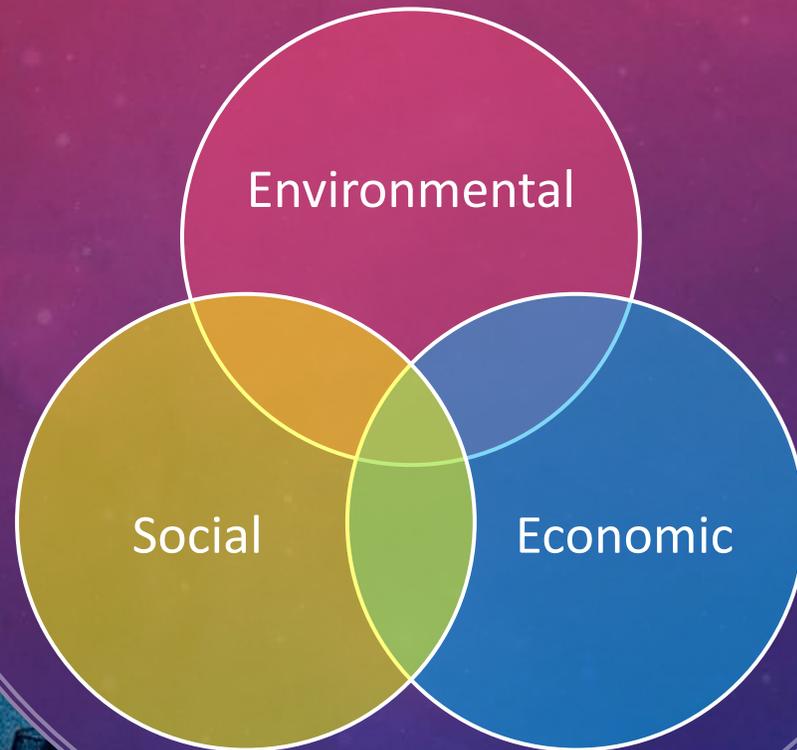
Explore the Equity & Justice in Science Framework



Learn methodology for organizing inquiries of equity & justice



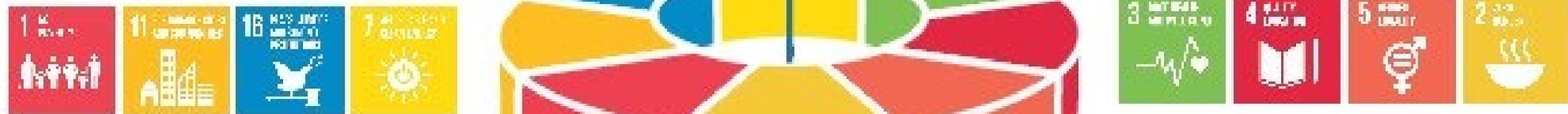
# THE 3 PILLARS OF SUSTAINABILITY



# ECONOMY



# SOCIETY



# BIOSPHERE



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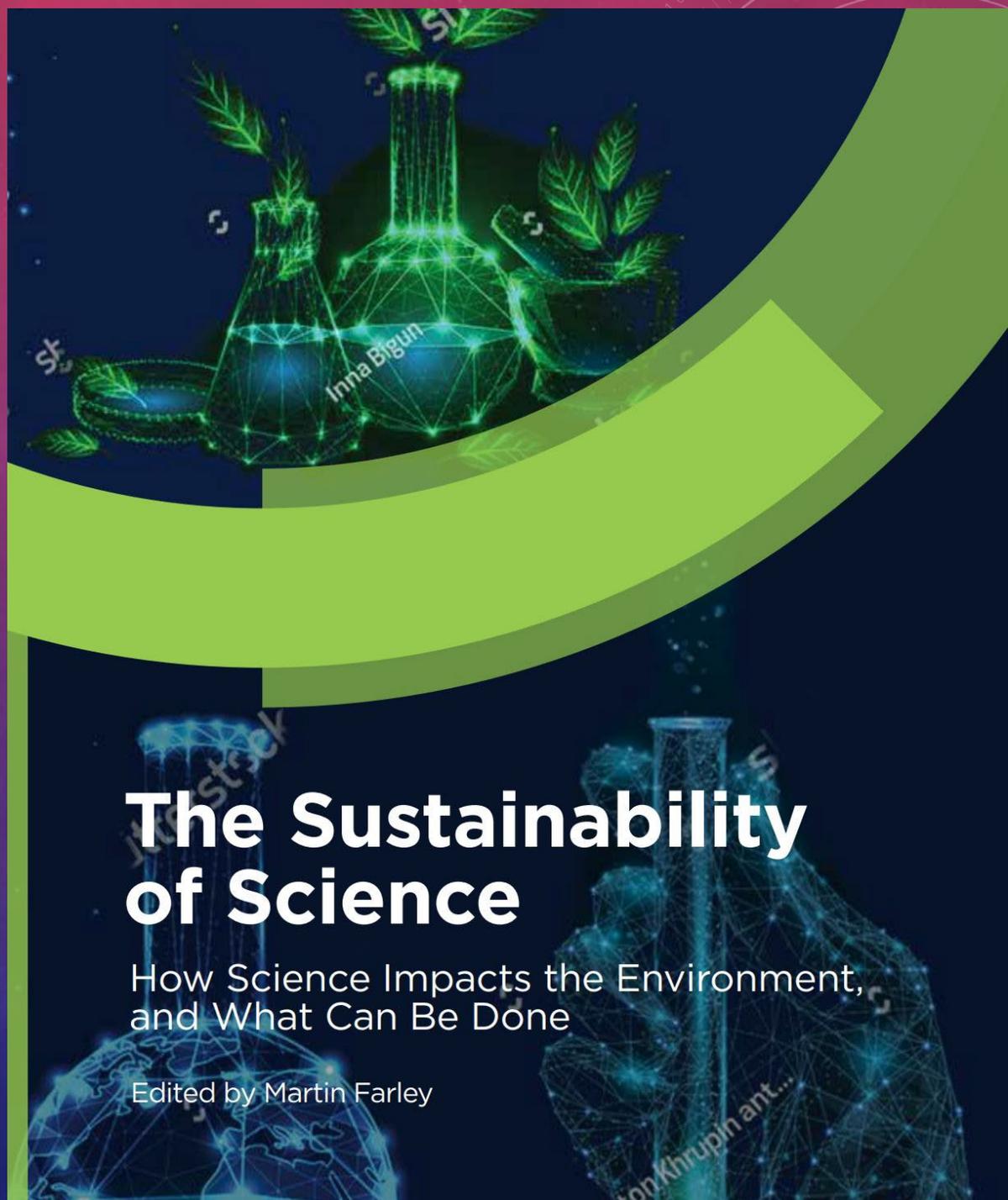


# The Equity and Justice in Science Framework (EJSF)

(CURRENTLY IN PUBLICATION)



ROYAL SOCIETY  
OF CHEMISTRY



## The Sustainability of Science

How Science Impacts the Environment,  
and What Can Be Done

Edited by Martin Farley

# BENEFITS OF THE EQUITY & JUSTICE IN SCIENCE FRAMEWORK

- Provides a standardized foundation
- Allows for organization of large amounts of information
- Saves time—no need to reinvent the wheel
- Demonstrates relationship, complexity and interconnection
- Intersectionality strengthens all parts
- Allows for deeper understanding
- Helps to identify information gaps (informs where future studies are needed)

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# THE EQUITY AND JUSTICE IN SCIENCE FRAMEWORK (EJSF)

Category for Inquiry:	Description:	Example:
Upstream	Processes or actions occurring outside of the lab and prior to the implementation of scientific research	Procurement, policy, product creation, raw materials extraction, transportation of goods
In-lab	Actions, efforts or processes directly impacting scientific laboratories and/or researchers	Laboratory resource use, waste management/diversion, equity in publishing and promotion, invisible work
Downstream	Outcomes and impacts happening post-scientific processes	Waste disposal, end of life disposition, effects of scientific resource use and operations







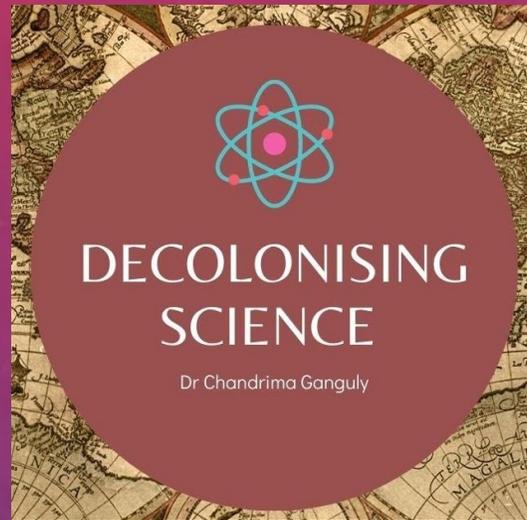




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# Decolonizing the Classroom

ASU Humanities Institute  
Arizona State University

WHAT DOES IT MEAN TO DECOLONIZE?

- TO DECONSTRUCT THE SOCIAL, POLITICAL, AND ECONOMIC POWER AND JUSTICE ARE NOT
- TO RECONSTRUCT AND REDEFINE OF POWER AND JUSTICE ARE NOT
- TO RECONSTRUCT AND REDEFINE OF POWER AND JUSTICE ARE NOT
- TO RECONSTRUCT AND REDEFINE OF POWER AND JUSTICE ARE NOT

# DECOLONIZING ACADEMIA IS A PROCESS

## Decolonizing Swiss Research Collaboration

 **scnat**  
swiss academy of sciences

### RECONCILING WAYS OF KNOWING

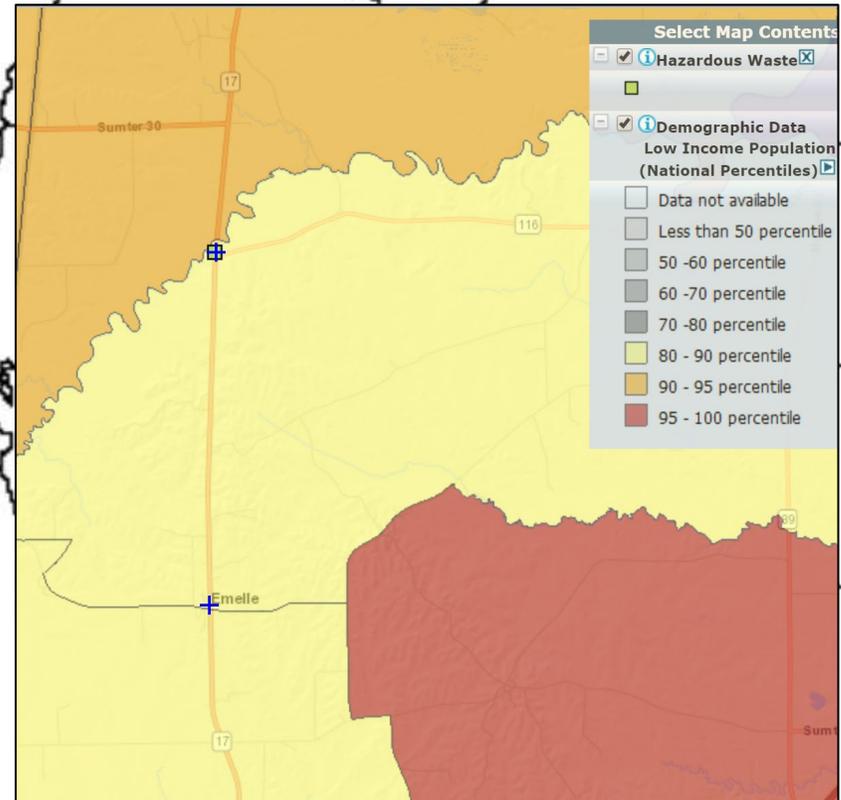
#### Decolonizing Science Education & Practicing Indigenous Science

Four circular portraits of diverse individuals, likely participants or organizers of the event, arranged in a row.



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- Upstream Equity and Justice Considerations
  - Raw Materials Extraction
  - Manufacturing and Factory Processes
  - Labor
- In-lab Equity and Justice Considerations
  - Decolonizing the Academy
  - Invisible Work
  - The Matilda Effect
  - Wage Disparities
  - Hiring Disparities
  - Funding Disparities
- Downstream Equity and Justice Considerations
  - Scientific Waste Management



# THANK YOU!



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