



WOMEN+ IN
GEO ♀

Climate Change and Sustainable World: Missions and Voices of Women+ of Geospatial

**Olive Powell,
Director, Women+ In Geospatial
UN WGIC, Hyderabad, October 2022**

OUR MISSION

To build an **inclusive global community uniting, inspiring and empowering** all women+ in geospatial sector to become **strong leaders and changemakers.**



>4,300

Women+ members

over 91

Countries



26,700

Followers on social media

Activities

INSPIRE + UNITE + EMPOWER



**Community
building**



**Speakers
database**



**Mentorship
programme**



**Events
(online & in-person)**

REPRESENTATION MATTERS

Be Inspired





Dr Breylla Campos Carvalho



Oceanographer
Technician at
CEBIMar,
University of San
Paulo, Brazil

TARGET 15-8



**PREVENT INVASIVE
ALIEN SPECIES ON
LAND AND IN WATER
ECOSYSTEMS**

Goal: Curve the spread of Invasive Species in Brazil



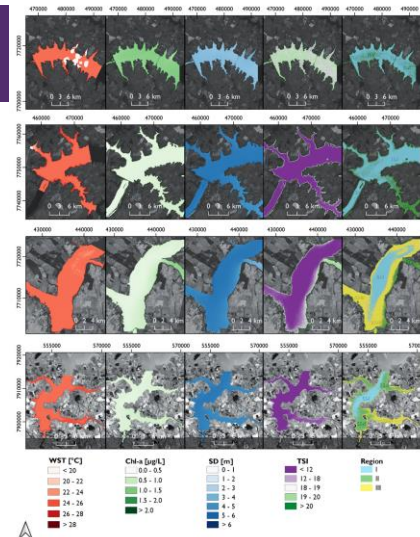
The Problem:

- Golden Mussels, Invasive species
- Threats to the Brazilian water systems, reservoirs, biodiversity and hydraulic power industry

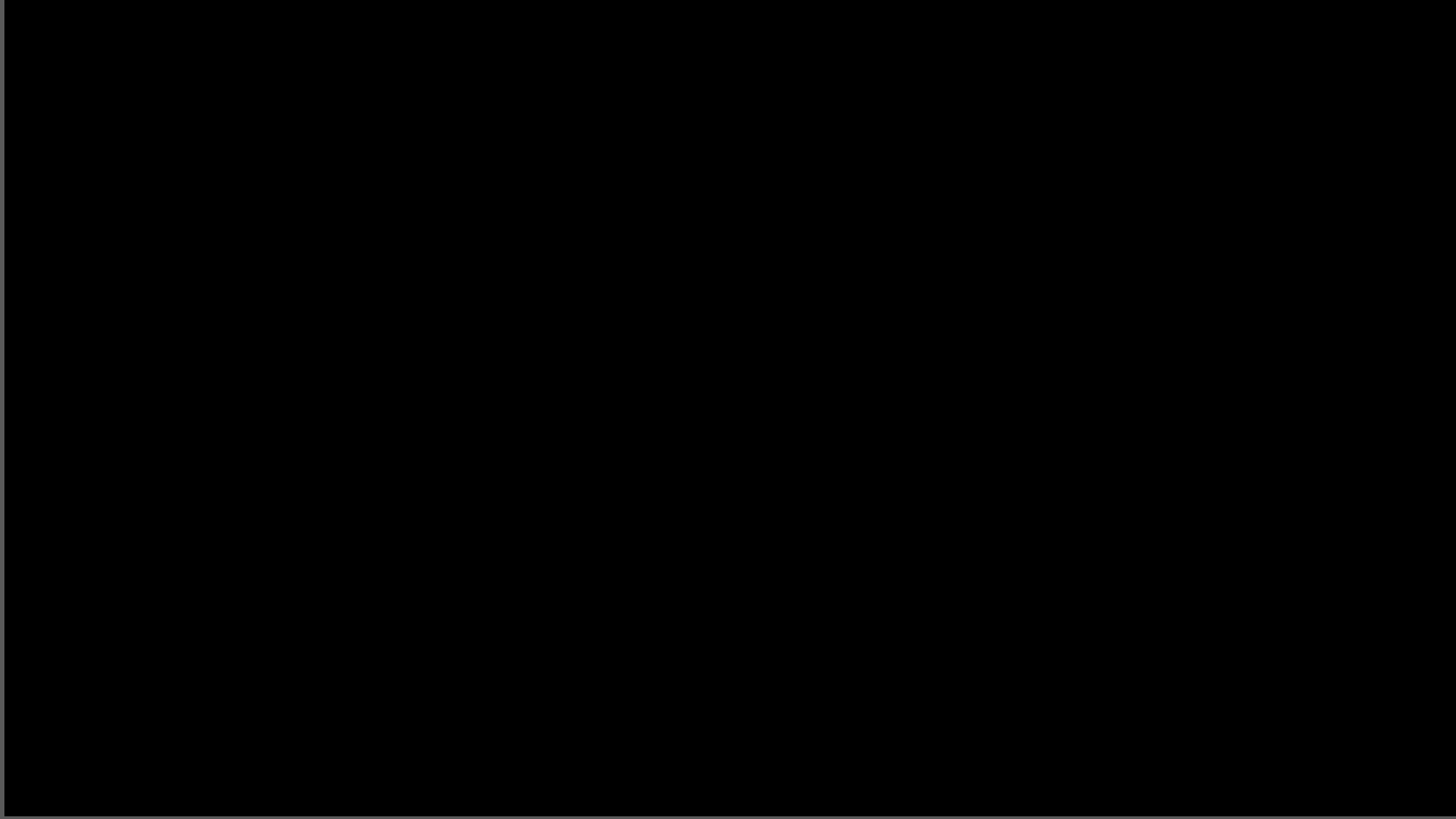
A national plan to monitor and control

Breylla's Work & Impact:

- Quantifying & modelling of growth patterns
- Using Landsat imagery (Bio-optical & thermal) and Google Earth Engine
- Allows to monitor hard to access areas & comparison across watersheds
- Contributes to the species' dispersion and settlement pattern analysis



Dr Breylla Campos Carvalho





Lydia Tasia



**Machine Learning
Scientist
Fieldy, Uganda**



Goal: Ensure sustainability of the cashew value chain



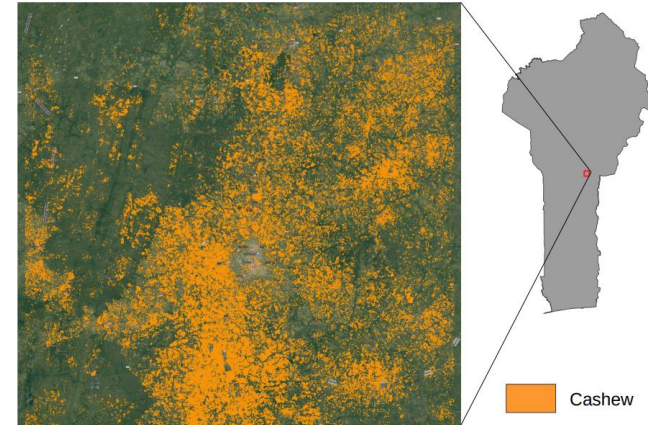
The Problem:

- Increased consumption of Cashew Nuts worldwide
- Poor working conditions for local farmers

Demand for ethical cashew production and sustainable cashew value chains

Lydia's Work & Impact:

- Using Sentinel 2 imagery and machine learning python packages to model the localisation of cashew farms (83% accuracy)
- Contributes to the localisation at scale to target and support sustainability efforts at farm level.



Lydia Tasia





Akansha Saklani



TARGET 7-1



**UNIVERSAL ACCESS TO
MODERN ENERGY**

Geospatial Manager

World Resources Institute

India / Netherlands

Goal: Support access to sustainable electricity for all

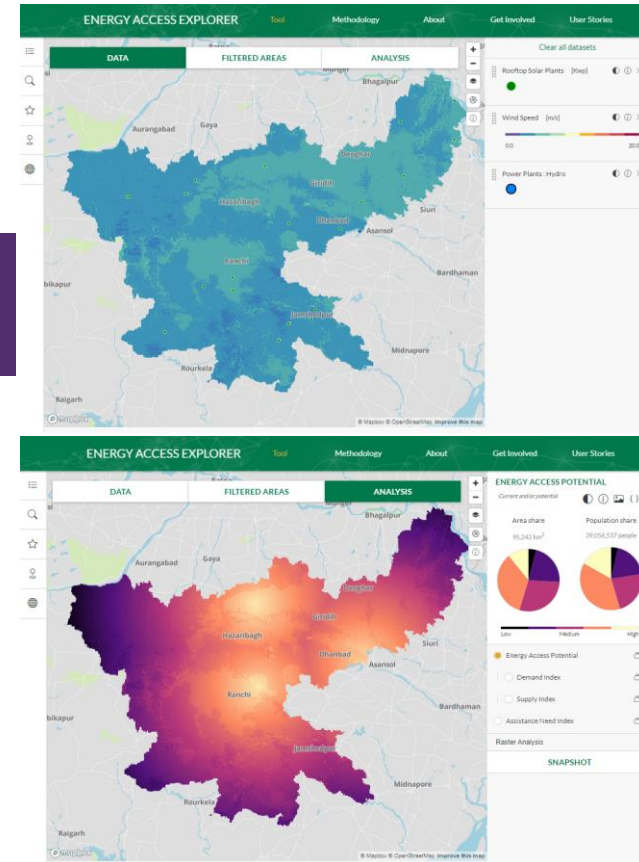
The Problem:

- Disparate access to reliable electricity for indian public institutions

Facilitate the assessment and the purchase of renewable energy at scale

Akansha's Work & Impact:

- Curating geospatial datasets to run multi-criteria spatial analysis
- Developing the Energy Access Explorer (EAE) platform to support policy and decision making
- Helps provide sustainable energy to people, improve lives and reduce carbon emissions



Akansha Saklani



WOMEN+ IN GEOSPATIAL

Speakers Database



<https://speakers.womeningeospatial.org/>

Find your Women+ in Geospatial speaker today (total: 347)

MAP LIST

Filter results by text
Search in name, bio, position ...

Filter by sector

- Private company
- Public sector / Government
- Non-governmental organisation (NGO) / Not-For-Profit organisation
- Self-employed / Consulting
- University / Academia
- International organisation

Filter by years of work experience

- 0 - 5 years
- 5 - 10 years
- 10 - 20 years
- 20 + years

Filter by career level

- Early-career
- Mid-level
- Senior-level

World map showing speaker counts by region:

- North America: 47
- South America: 7
- Europe: 42
- Africa: 2
- Asia: 130
- Australia: 25
- Other regions: 7, 5, 23, 4



347

Women+ speakers worldwide

WOMEN+ IN
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Inspire + Unite + Empower

Olive Powell, Director

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