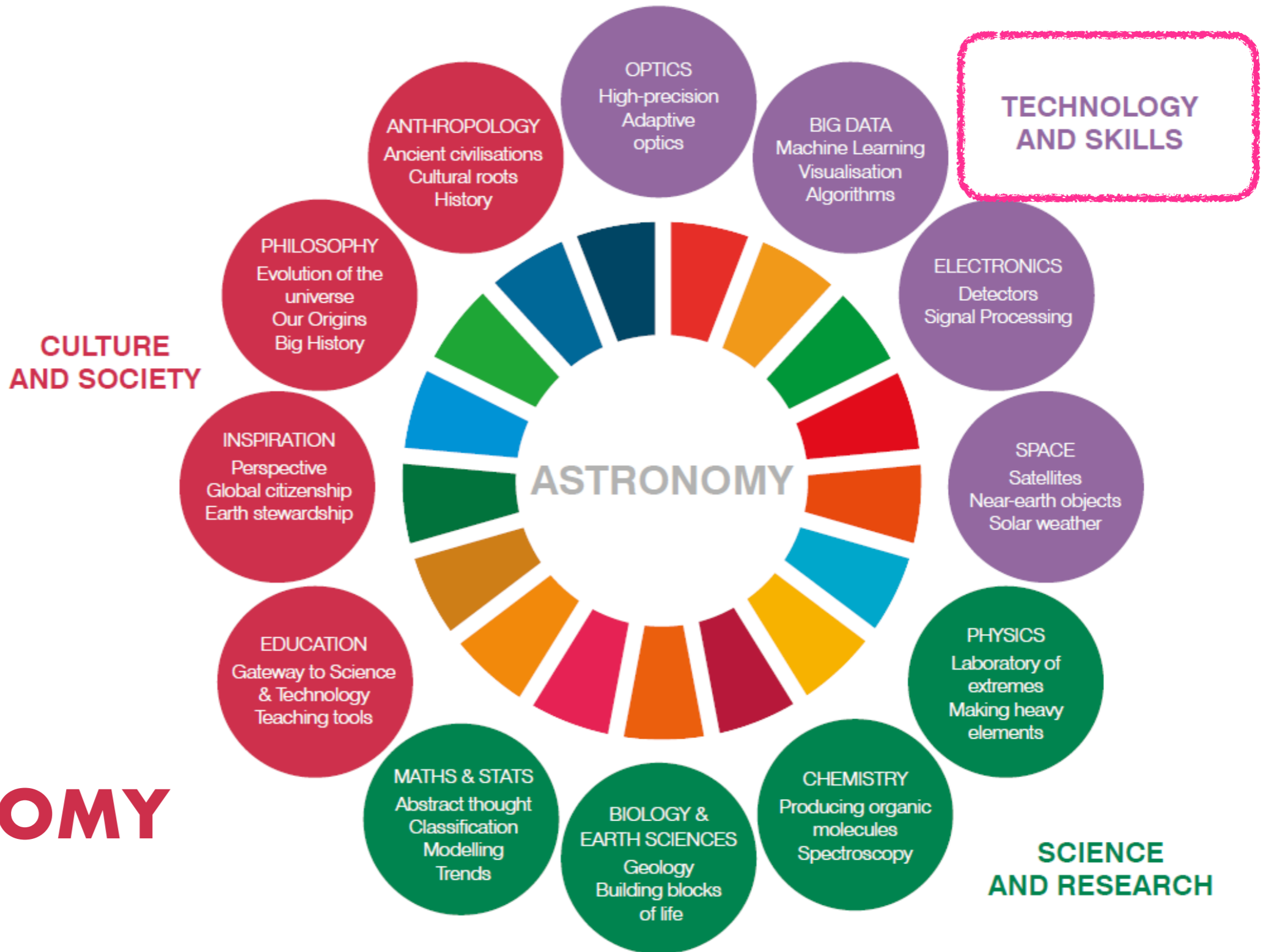




# VO for development

Vanessa McBride





**ASTRONOMY**  
for  
**DEVELOPMENT**



# The Office of Astronomy for Development

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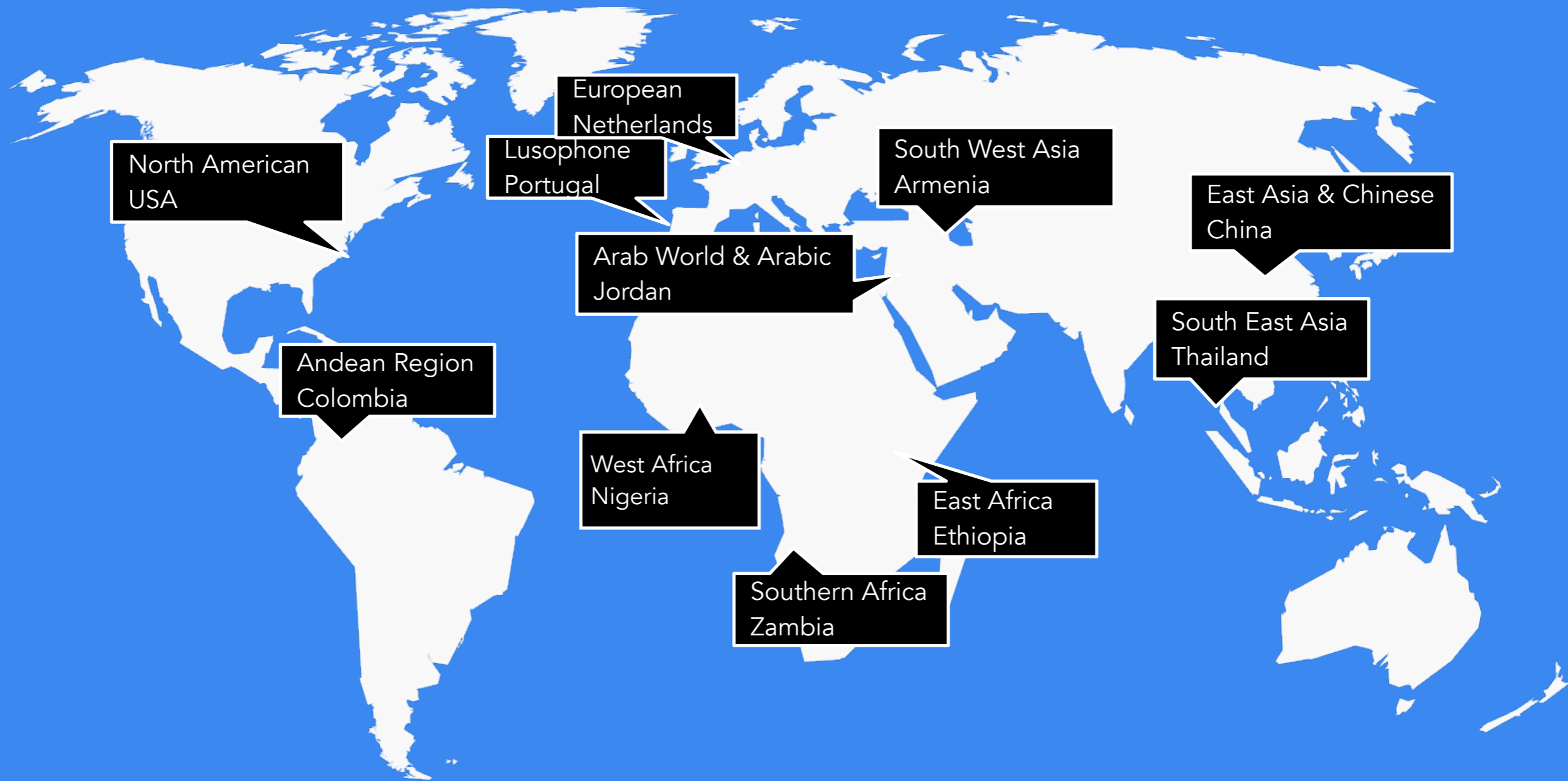
- Founded in 2011
- Cape Town, South Africa
- Equal partnership between IAU & NRF (DSI)
- Ethos: humility
- “Astronomy for a better world”



science  
& technology

Department:  
Science and Technology  
REPUBLIC OF SOUTH AFRICA

# OAD Regional Offices



# Partners

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IUCAA



Royal  
Astronomical  
Society



SPACE GENERATION  
ADVISORY COUNCIL



GHE



International  
Science Council



FIAT PHYSICA  
LET PHYSICS BE DONE



Universiteit  
Leiden

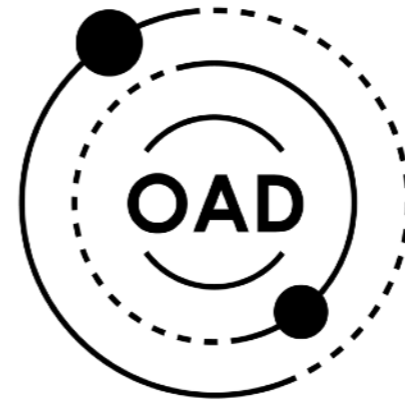


Haus der Astronomie  
Center for Astronomy Education and Outreach



# IVOA + OAD Agreement

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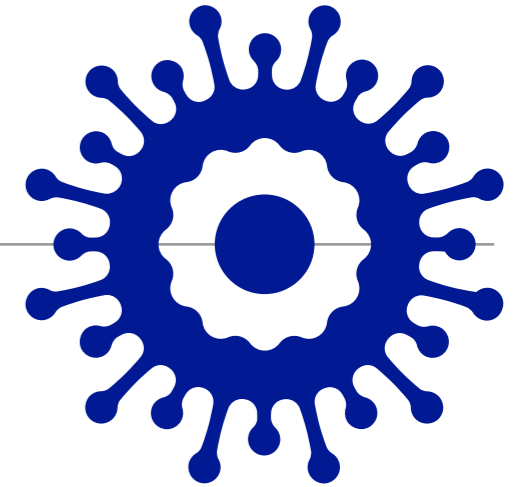
INTERNATIONAL | OFFICE OF  
ASTRONOMICAL | ASTRONOMY FOR  
UNION | DEVELOPMENT

*“Astronomical data and tools for education,  
development and outreach”*

- Complementary resources
- Expanded networks
- Signed 3 March 2021
- Duration 3 years

# Online learning

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- Online learning has become ubiquitous
- VO tools provide a way to interact with data while lab work or observing is not feasible
- See Priya Hasan's talk



# Existing & new VO tutorials



- Repository online at IVOA Twiki
- New material to be developed/added

## VO tutorials

### Tutorials in English

#### Graduate level

- [EuroVO Scientific Tutorials](#)

#### Education and outreach level

- Add your contents here

### Non-English tutorials

#### Graduate level

- Add your contents here

#### Education and outreach level

- Add your contents here

## Education resources

### Resources in English

- [Website: EuroVO for Education](#)

[EuroVO](#) for education is a project developed within the framework of the European Virtual Observatory ([EuroVO](#)) with the aim of astronomy enthusiasts. **Note:** [EuroVO](#) for education is the project originally called [EuroVO-AIDA/WP5](#).

[EuroVO](#) for education offers use cases, pedagogical units, and simplified professional software that will allow a taste of the emotion of wishing to wander between stars.

The educational material of [EuroVO](#) for education has been designed specifically for teachers in support of an effective presentation of the [EuroVO](#) for education software tools that simulate the night sky giving useful information during observations, or during their

- [Booklet: WorldWide Telescope in China \(2002-2014\)](#)

### Non-English resources

- In Chinese: [WWT Community in China](#): provides software, tours, tutorials, textbooks, events, and other information
- In Chinese: [China-VO Public Channel](#). Software tools and online services for amateur and the public.
- In German, Italian, Spanish, French and others: [Website: EuroVO for Education](#)

# Supporting curriculum development

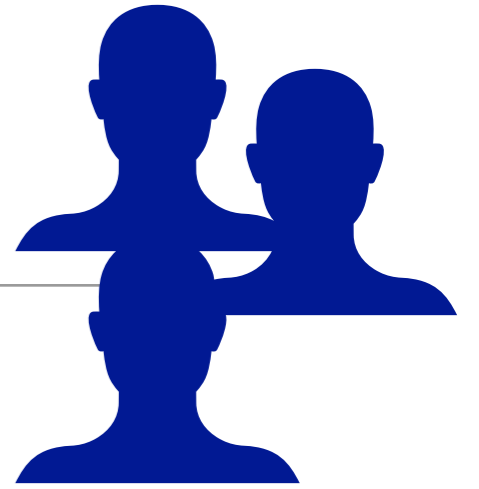
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- Astronomy Masters course, Southern Africa
- Blended learning approach
- VO tutorials to supplement theoretical knowledge
- Access to archival astronomy resources as a pathway to research

# Public engagement

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- Citizen science projects
- STEM education
- WorldWide Telescope - see Shanshan Li's talk

# Get in touch

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