



IAU Office of Astronomy for Development Annual Call for Proposals 2021: Stage 1 Application

If you need support for accessibility, please write to us at projects@astro4dev.org.

Although the OAD is a global office, English is the official working language of the OAD. We request that all applications be submitted in English. For translation assistance, please contact us at projects@astro4dev.org at least 2 weeks before the application deadline.

Before you begin your application, please read the Full Text of the Call at <http://www.astro4dev.org/aboutiauoad/cfp/>. It is also highly recommended that you read the 'Getting Started' section, and ideally complete the [online short course on Astronomy for Development](#) to help you develop your proposal.

Questions marked with * are compulsory.

Only online applications will be accepted. For any questions or issues, please write to us at projects@astro4dev.org

1. First Name and Surname *

Alpha Beta

2. Email *

alpha@beta.org

3. Project Name *

Healing and hope with astronomy

4. Project Abbreviation * (max. 10 characters)

Please provide a Short Code to refer to project

HopeAstro

5. Which countries will your project target? * (max. 200 characters)

South Africa

6. In which languages will your project be delivered and/or written? * (max. 200 characters)

English, isiXhosa

7. Choose the primary target audience for your project *

Note that simply reaching a large audience does not lead to larger impact.

- Universities
- Schools
- Public
- Industry
- Government/ Policymakers
- Other (please write)

8 a. Have you or any of your team members submitted this same idea in previous years? If Yes, what was the title of that proposal? * (max. 100 characters)

No

8 b. Are you building upon previous work, done either by you or others? If Yes, please provide more details or a link to the project. * (max. 500 characters)

search [OAD database of past projects](#) and [project resources](#)

No

8 c. Will your proposal be a pilot project for one of the below **Theme(s)**?

- Sustainable local socio-economic development through Astronomy**
- Science diplomacy through Astronomy: Celebrating our Common Humanity
- Knowledge and Skills for Development
- COVID-19 and astronomy for development
- Technical (technology or techniques from astronomy)
- Not related to the above

8 d. Are you applying for a multi-year project?

Funds for multi-year projects will be released on an annual basis subject to a performance review by the OAD

- Yes (up to 3 years)
- No

9 a. Project Summary * (max. 3000 characters)

include the core project idea, target audience, implementation plan.

The Healing and Hope with Astronomy project takes the form of a partnership between our team and an existing NGO, *Healing & Hope*, working in the domestic violence space in the Cape Flats, Western Cape, South Africa. It builds on the work already done by *Healing & Hope* to provide refuge for women who have suffered gender-based or domestic violence, by offering women the chance to learn new skills while taking refuge at *Healing & Hope* shelters.

South Africa is endowed with beautiful night skies, and has a highly active astronomy community attached to globally renowned observing facilities, e.g. the Southern African Large Telescope and the MeerKAT radio array. We will use the astronomy images from these telescopes as the signature look for soft furnishings and clothing produced by women at the *Healing & Hope* shelters.

Our project has three distinct aims:

1. To provide victims of gender-based and domestic violence with a skill set that can empower them to be economically independent, i.e. through sewing, silk-screen printing, graphic design and entrepreneurship
2. To raise funds for the *Healing & Hope* shelters through the sale of soft furnishings and clothing created through this project
3. To a lesser extent, to provide public visibility and appreciation of South Africa's night skies and astronomy technology

Our project will be implemented over 9 months, after which it will continue at *Healing & Hope* shelters in a sustainable way.

9 b. how will you implement your project if travel and/or social distancing restrictions are in place in 2022 (or other COVID related impact)? (max. 500 characters)

what is your contingency plan? can your project be modified or adapted successfully?

Healing & Hope shelters are viewed as essential services, and continue to operate throughout restrictions. In the case of a severe (Level 5) lockdown in South Africa, we will focus on the business and entrepreneurship skills development sections of the programme, and delay the hands-on training until less severe restrictions are in place.

All hands-on training will follow strict Covid-19 protocols of social distancing, frequent sanitising, well-ventilated areas (most likely out-of-doors) and mask-wearing.

10 a. Describe the developmental challenge you aim to address in this project (max. 1000 characters)

For example, poor educational outcomes at school level, high poverty etc. Include references where possible.

This project is focussed on improving economic prospects for women in South Africa (and their dependents) who have been victims of gender-based and/or domestic violence. [here, it is recommended to include statistics and supporting data on the developmental challenge.]

10 b. To which of the Sustainable Development Goals (SDGs) will your project respond ? Choose up to 3 SDGs. *

Select a maximum of up to 3 SDGs relevant to your project. For detailed descriptions of the SDGs, please visit the [UN website](#) and look at the [SDG indicators](#)

1. Poverty– End poverty in all its forms everywhere
2. Hunger– End hunger, achieve food security and improved nutrition, and promote sustainable agriculture
3. Health– Ensure healthy lives and promote wellbeing for all at all ages
4. Education– Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all
- 5. Women– Achieve gender equality and empower all women and girls**
6. Water– Ensure availability and sustainable management of water and sanitation for all
7. Energy– Ensure access to affordable, reliable, sustainable and modern energy for all
- 8. Employment & Economic Growth– Promote sustained, inclusive and sustainable economic growth, full and productive employment, and decent work for all**
9. Infrastructure & Innovation– Build resilient infrastructure, promote inclusive and sustainable industrialisation, and foster innovation
10. Inequality– Reduce inequality within and among countries
11. Urban Safety & Welfare– Make cities and human settlements inclusive, safe, resilient and sustainable
12. Production & Consumption– Ensure sustainable production and consumption patterns
13. Climate Change– Take urgent action to combat climate change and its impacts
14. Marine Conservation– Conserve and sustainably use the oceans, seas and marine resources for sustainable development
15. Environment preservation– Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification and halt and reverse land degradation, and halt biodiversity loss
16. Peace, security, equality– Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels
17. Implementation– Strengthen the means of implementation and revitalise the global partnership for sustainable development

10 c. How will you achieve these goals using Astronomy * (max. 1000 characters)

South Africa is a leading country in astronomy research and related human capacity development. Astronomy as a field is a priority for the national government and is very popular among students and the general public. Our project will aim to capitalize on this increasing interest in astronomy to solve a deeply entrenched, systemic issue. We will use astronomy as the tool to increase interest in our products and also to bring more awareness to the problem on gender-based violence.

11. What are the intended Deliverables of your project? * (max. 1000 characters)

List major deliverables such as workshops, events, educational kits, presentations, lectures, videos, manuals etc. Multi-year proposals must provide a list of intended deliverables for each year.

Sewing station

Silk-screen printing station

Video and in-person lessons on basic sewing

Video and in-person lessons on basic silk-screen printing

Video and in-person lessons on business development

These deliverables are in place for one year, thereafter the project will be self-sustainable as women at the shelter will pass on skills to new arrivals.

12. Budget

Please complete in EURO. Proposals selected for Stage 2 will be requested for a detailed budget breakdown.

12 a. Total Project Budget (EURO) [numbers only] *

EUR 1800

12 b. Total funds requested from IAU (EURO) [numbers only] *

EUR 1800

12 c. Comments on budget * (max. 1000 characters)

such as the main expenses, where will you source remaining funds etc. Multi-year proposals must provide an annual breakdown of budget for every year of the project.

Main expenses for the project is hardware, comprising computer, silk screen and sewing equipment. These will remain property of Healing & Hope after project completion. Lessons will be contributed by the team (i.e. they are not included in the budget).

13. Why should we fund your project? * (max. 1000 characters)

This is an opportunity for you to motivate why your project should be selected. You could for example include details such as the need for your project around your target location/audience, how your idea

is innovative, confirmed collaborators or any other information you may think would convince us to fund your project.

South African society is blighted by gender-based violence and femicide in South Africa is five times higher than the global average (WHO, 2016). While some cases make it to the news, for most women, this is a private war, fought in the trenches of the home, with few options for reprieve or escape.

For those who are brave enough to leave violent relationships, it can often mean rebuilding a life from scratch. This project aims to use astronomy to help equip women with some of the skills they will need to start life afresh.

Unemployment in South Africa is also particularly high (32.5%, StatsSA) and female-headed households are on average poorer than male-headed households. The skills that women can develop through this as they make the transition from abusive male-headed households to female-headed households can help to insulate them and their dependents against poverty.

The collaboration with *Healing & Hope* provides is key to the success of this project. *Healing & Hope* has been operating in the Western Cape for 15 years, and has strong links with night schools, local markets and other skills development initiatives, thus helping to provide networking and access to local markets.

Thank you for submitting a Stage 1 application to the 2021 OAD Call for Proposals. For any questions or issues, please write to us at projects@astro4dev.org