

Récapitulatif de votre dossier Amici di DaGama Home ONLUS

Soumissionnaire :

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Motivations : I'd like to take part in this employee Call for Projects because I think that education is humanity's best hope and most effective means in the need to achieve sustainable development. Young people education is a key instrument for the achievement of a sustainable society.

In the last few years I've taken part - as volunteer- in a lot of humanitarian missions in Zambia (Africa) and I've really seen and understood the need of the African people and children. Therefore I'm already personally deeply involved in the project as volunteer.

I've also supported Amici di DaGama Home ONLUS with donations and with distance adoptions (child sponsorship of three children) to provide education to young people as an incentive to go to school and to have energy to focus on their studies.

1 : Organisation porteuse :

Nom de l'organisation : Amici di DaGama Home ONLUS

Adresse : Via Attilio Friggeri, n. 87 Rome, Italy

Site : <http://www.amicididagama.it/en/>

Documents d'enregistrements :

https://forms.microdon.fr/upload_dld.php?fileid=600b8d5e6d1fefb8392039b7a4235a68

Description de l'organisation :

[[Description de l'organisation (mission, principaux projets et résultats) :(1558944)]]

Dirigeant : PAOLO TAMMI, Headmaster of the School 'Istituto Sant'Apollinare', Rome

Nombre de salariés : 0

Nombre de bénévoles : 14

Budget 2021 : 149800

Documents : rapports d'activités, comptes financiers, budget prévisionnel 2021

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2. Votre projet :

Nom de votre projet : Support to Secondary School STEM Education for Sustainable Development in Zambia

Thématique : Education et insertion professionnelle - Education aux sciences et technologies--

Localisation : • Luanshya (a copper-belt town in the central Zambian diocese of Ndola), ZAMBIA. • Several small Zambian villages like Kapepa, Walale, Kampelembe as well as little towns as Chililabombwe and Zambia City.

Période de réalisation : du 01/09/2021 au 31/12/2023

Contexte social et économique :

Improving young people education is the first step to permit their integration in the society. Amici di DaGama ONLUS takes care for the needs of impoverished children. They rescue youngsters from the margins of society and provide for their educational needs. Our NGO sustain about 350 children and young people to permit them to go to school and sustain three Primary Community schools (St. William, Kapepa and Kampelembe Community Schools), in Luanshya near Ndola in the Copperbelt Zone.

Primary levels in Zambia covers from Grade 1 to 7 (Elementary school, students' age from 7 to 14).

Lower secondary school covers grades 8-9, (students' age from 15 to 16).

Senior Secondary Schools covers Grades 10-13 (age 17-19).

In the rural areas, some pupils move long distances to access primary education and this has been a disadvantage in the fight to educating the future generation.

Présentation du projet :

After Primary Level young people very often don't have the possibility to continue their schooling at secondary level.

The main objectives of this project are to permit and improve STEM Lower secondary education (grades eight and nine) and to achieve gender equality.

With this project we want to pay six STEM Lower secondary Scholarships, (at talented and poor girls selected from our primary Community Schools), to permit them to attend Ndola Girls National Stem School in Ndola, or STEM International School in Lusaka or David Kaunda National STEM Secondary School in Lusaka.

STEM Schools in Zambia want to train global STEM professionals and Leaders with a spirit of excellence by equipping them with the necessary skills needed to excel in the 21st Century.

Offering STEM and ICT access and knowledge is considered to be part of the basic education that all young people are entitled to.

Nevertheless gender disparity in Zambia intersect strongly with poverty and rurality. Achieving gender equality in secondary education will depend on a long term commitment to concentrated planning and resources within poor rural contexts and for disadvantaged groups. This will include ensuring that STEM education is relevant to poor, rural youth, for whom opportunity costs are high.

Teaching Combined Science, covering all three discrete natural science disciplines, could make science knowledge more accessible. Offering this type of knowledge, make the STEM curriculum important to all pupils.

Publics bénéficiaires :

This project allows Zambian poor girls - unable to access long distance secondary school - to continue their schooling. With this help we can significantly increase the number low-income students who go to school and can earn a STEM diploma.

Six Zambian girls (grades eight to nine, ages 15 and 16) and their families (about 60 family members indirectly helped), will beneficiate from this project, due to the relevance of youth's secondary education for a sustainable society.

The beneficiaries are Girls because they do less well in STEM subjects than boys and are under-represented in science-related careers.

STEM education at secondary level has a vital role to play in sustainable development and the provision of sustainable work opportunities. Crucially, it needs to be relevant and accessible to all pupils, especially as secondary education becomes mass education.

Beneficiaries are also STEM school staff for the increased enrolment.

Nombre de bénéficiaires :

Directs : 6

Indirects : 60

3. Construction du projet et moyens mis en oeuvre

Principales étapes du projet :

The duration of the initiative will be about 28 months, from September 2021 to December 2023. This because the school year in Zambia runs from January to December (schools are closed in July). The project will be conduct in four stages:

Main Schedule:

1. Stage 1: From September 2021 to December 2021 (Four Months)

From Kick-Off=KO=T0= September 2021 to the beginning of the first school term, we'll select six poor and talented girls that finish Grade seven in our Community schools. We'll prepare a small summary with the information about girls: mainly their Primary School reports and Final Examination results. We'll also report the advices about selected STEM school for Grade 8 and 9.

2. Stage 2: From January 2022 to June 2022 (Six Months)

At the end of the first quarter of the school year we have a feedback with the school reports of the six girls.

3. Stage 3: From July 2022 to December 2022

Mid Term Review= T0+16 Months= December 2022 (Six Months)

At the end of the first school year (Grade 8) we will have a feedback about the year results and the school reports.

4. Stage 4: From January 2023 to December 2023 (Twelve Months)

Final Review= T0+28 Months=December 2023

At the end of the second school year we'll give a feedback on the second year results and the school reports of national Exams of Grade 9 for the six helped girls.

Répliquabilité de votre projet :

STEM Education scholarships can be replicate and it would be desirable if continue over time for Senior Secondary Levels.

We envision an education system that expands opportunity for all students – but particularly for students in very low-income communities – and allows them to gain the STEM skills and knowledge necessary to succeed in the workplace. The goal remains to ensure all students receive secondary education that equips them to succeed in college or career training program.

Partenaires du projet :

Project stakeholders are STEM schools in Zambia, mainly: Ndola Girls National Stem School in Ndola, STEM International School in Lusaka and David Kaunda National STEM Secondary School in Lusaka.

An interesting link to this important STEM initiative is the "2021 International Conference on Contemporary Issues in Science, Technology, Engineering and Management (ICCI-STEM-2021)" that will be held in Ndola, Zambia during May 18th, 2021.

Moyens financiers

Budget prévisionnel du projet : 12600

Montant de la dotation demandée : 10000

With this project we want to pay six STEM Lower secondary Scholarships at talented and poor girls - selected from our primary Community Schools - to permit them to attend Girls National STEM Schools.

Expenses will cover: Tuition Fees, Admission, Registration Fee, Book/Computer Deposit , PC and School materials.

The attached budget is indicative and it will depend on the final STEM school selected by students.

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Moyens humains

Nombre et fonctions des salariés :

None

Nombre et fonctions des bénévoles :

- Eng. Lucia Amorosi - Certified Program Manager IPMA Level C® and Product Policy Competitiveness Manager in TAS-BL Observation Exploration & Navigation/BLOEN-Domain Observation & Navigation Italy - is committed to manage the project and its development and to regularly monitoring its progress and reporting back to the Thales Solidarity Charitable Fund for all the Project Lifecycle. - In Amici di DaGama NGO there are other 13 volunteers that, on the basis of their expertise, can give contribution to the overall project good performance.

Quelle sera votre contribution personnelle au projet ?

As Aerospace Engineer I've been working in TAS-I since 1999 and I'm Author of several Technical Articles in Space Environment. As Certified PM, I coordinate the following TAS-I Projects:

- GSA/GRANT/05/2017 GIANO- Galileo-based timing receiver for critical infrastructure robustness, (2019-2021);
- H2020 Meta-reflector COMPET- 3-2015 (2016-2018);
- H2020 HV-EPSCA Compet-3-2015 (2016-2018);

• EMC2 ARTEMIS 2013 AIPP5 (2014-2017).

therefore I give my support to Manage the overall Project Lifecycle

Opportunités d'implication d'autres collaborateurs Thales :

Every summer we go in Zambia to verify the evolution and progress of the ongoing projects. Some colleagues want to come with us, see and participate in Science and technology improvement by means of our NGO, because this project is important for sustainable development of African people.

Then we can provide the Thales Solidarity Charitable Fund with regular reports on the project's progress, in accordance with the information you have provided.

4. Impact de votre projet

En quoi la solution est-elle innovante pour répondre au besoin des bénéficiaires ?

Our scope is to increase investment in STEM education in order to expand access to poor young people training. Sustainable societies cannot be built if girls are not given the opportunity to develop a foundation for development, wellbeing and lifelong learning.

The STEM education improvement in rural areas are the innovative solutions to a social problem that are effective, efficient and sustainable.

For our project 'social innovation' is the development and implementation of new services (STEM school education) to create social relationships and collaborations with the aim to meet Zambian young people needs. We believe in a 'Sustainable development' defined as 'meeting the needs of the present without compromising the ability of future generations to meet their own needs'.

Education is an inalienable right – one that all girls, including those caught in natural and human-made emergencies, must be able to access. This provides the challenge of how to provide education to young people experiencing these difficult circumstances.

Education is not a relief activity; it is central to human and national development, and must be conceptualized as a development activity. In any country, STEM education can also serve as a mechanism for contributing to the prevention and reduction of poverty.

Indicateurs clés de performance :

Quantitatifs :

Indicator 1: A quantitative Indicator will be the Final School Reports of our six girls, a feedback about the results achieved.

Indicator 2: Another important quantitative indicator is the improvement of number of registrations in STEM Secondary schools.

Qualitatifs :

Indicator 1: : A qualitative Indicator is a survey in STEM Secondary school about girls' achieved results.

Indicator 2: : Another important qualitative indicator will be the satisfaction of the girls financed by study grants and the impacts on their standard of living.

Illustrations :

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