

Endeva e.V. is looking for an expert on air pollution from transport as technical advisor

1) About Endeva e.V.

Endeva e.V. is a non-partisan, independent and interdisciplinary association. The purpose of the association is the promotion of sustainable development as well as the promotion of science and research on this topic. The purpose of the association is realized in particular through practice-oriented project and research work as well as information and knowledge transfer. To this end, the association cooperates with public and private sector organizations, both in Germany and internationally. Endeva e.V. is based in Berlin, Germany.

2) About the project

Endeva e.V. will design and implement a new edition of the Inclusive Innovation 2030 (ii2030) initiative in Rwanda in 2022 with the support of the German Federal Ministry of Economic Cooperation and Development and the German development organization Gesellschaft für Internationale Zusammenarbeit (GIZ).

About ii2030

ii2030 facilitates the smart, effective and efficient use of technology to achieve the Sustainable Development Goals (SDGs) through a systems change approach. Essentially, it is an initiative process that brings together a curated group of participants to co-create solutions that enable technology to better help us achieve the SDGs at scale. It is a catalytic process that begins with a problem and an opportunity and ends with a prototype of a systemic solution that can be implemented. First implemented in 2017, it is a proven approach can achieve these objectives.

About the Rwanda Smart City Edition of ii2030

For the Rwanda Smart City Edition of ii2030, Endeva e.V. will organize and implement three virtual ii2030 tracks that all include a preparation phase, a consultation phase and a co-creation phase. The three tracks have different topics. The road safety track aims to leverage technology to strengthen road safety and prevent accidents. The waste management track aims to support circular and smart approaches to solid waste management. The traffic track aims to reduce air pollution with the help of digital tools and improved vehicles.

3) About the position

Endeva e.V. is looking for an expert on air pollution in the transport sector to provide technical advice, content and contacts for the Rwanda Smart City Edition of ii2030. The expert will support the preparation, organization and implementation of the traffic track.

The position is home based in the consultation phase, with one trip to Rwanda in the co-creation phase (if the Covid-19 restrictions allow). The contract is expected to start on 1 February 2022 and end on 30 June 2022.

Appendix 1: Terms of Reference (ToRs)

The expert on air pollution from transport (from hereon called “expert”) will support the preparation, organization and implementation of the road safety track. Responsibilities are described in more detail below.

Support of the traffic track

The expert will support the design and implementation of the traffic track of the Rwanda Smart City Edition of ii2030.

The traffic track aims to reduce air pollution with the help of digital tools and improved vehicles in Rwandan cities.

Air pollution from transport-related sources are a major cause of chronic respiratory-related illnesses and premature deaths in Africa. Kigali has taken measures to get ahead of this health issues by implementing car-free days and air quality monitoring. However, the Rwandan capital is witnessing rapid urbanization and motorization, which calls for more comprehensive and future-fit approaches to transport-related pollution. Technological solutions and digital tools can help tackle the challenge of air pollution by reducing the time spent in traffic, using alternative fuel technologies or implementing higher vehicle standards.

The specific working hypothesis and sub-issues to be tackle will be narrowed down by the track lead during the first preparation phase.

As technical support, the expert will be involved throughout the ii2030 process, including during the preparation phase, the consultation phase and the co-creation phase. During the preparation and consultation phase, the expert will support the development of a working hypothesis for the track, the identification, consultation and recruitment of up to 25 participants from different sectors (e.g. private, public, academia), will actively contribute to two virtual consultation sessions (webinars) and to an online discussion to specify the working hypothesis with experts and track participants. Based on the methodology developed for the (virtual)¹ co-creation sessions, the expert will support the development of track specific working templates for the different co-creation sessions (e.g. systems maps, stakeholder maps and power dynamics, “How Might We” questions, roadmaps and prototype planning).

During the co-creation phase, the expert supports the organization and implementation of 1 in person or 3 virtual co-creation workshops. At the end of the co-creation process, the expert will support documenting the results of the co-creation sessions.

The following tasks are foreseen:

Project phases	Main tasks	Person days	Due date
Consultation phase			
Training on ii2030 methodology	Attend training on ii2030 methodology; this will be used to adapt the methodology for the specific edition of ii2030	0.5	
Background research and interviews	Support the background research with contributing existing knowledge	2	
Identification and contacting of relevant participants	Use networks to contribute to a long list of up to 50 potential partners from different sectors (business, CSOs, government, academic, development partners)	1	
Development of hypothesis for the track	Based on background research and initial scoping, define an opportunity space for systems change for each track	1	
Interactive webinar 1	Facilitate an interactive webinar with up to 25 participants to understand the current system, especially the enablers and inhibitors of the system and the upstream and downstream effects.	1	

¹ Depending on the travel restrictions

Develop content of 2 nd webinar	Analyse the results of the 1 st webinar to understand the system dynamics.	1	
Interactive webinar 2	Facilitate an interactive webinar with up to 25 people to understand the dynamic feedback loops and the deep structure in the system and to develop a portable story about the system and potential levers to disrupt it.	1	
Co-creation phase			
Organization and preparation of (virtual) co-creation sessions	Support the preparation of the co-creation sessions	1.5	
Implementation of (virtual) co-creation sessions	Facilitate and document three half day workshops of 240 minutes each, that include interactive co-creation tools such as Miro or Mural boards or facilitate a 2-day workshop in Rwanda.	3	
TOTAL DAYS		12	

Requirements

- Education/training: University qualification (Master) in relevant field
- Specific professional experience: 8 years in air pollution in the transport sector, with focus on Africa
- Specific professional experience: 3 years in private sector development or entrepreneurship support
- Regional experience: 8 years of experience in project in Africa, especially in Rwanda
- Language: Proficient in written and spoken English
- Other: High degree of operational reliability, accuracy and accountability
- Other: Proven ability to work in a team
- Other: Independent, organized and reliable working style

Cost structure

The contract will cover the days mentioned in the overview of tasks. Travel cost will be covered.

Please send your CV showing the above-mentioned skills and experience and a financial proposal latest by January 31, 2022 to:

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