

## Endeva e.V. is looking for an expert on smart waste management as track lead

### 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.

### 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 smart waste management to provide overall guidance and advice on systems practice approaches and methodologies for the Rwanda Smart City Edition of ii2030 and be responsible for the preparation, organization and implementation of the Smart Waste management 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 25 January 2022 and end on 30 un

## Appendix 1: Terms of Reference (ToRs)

The expert on smart solid waste management (from hereon called “expert”) will be responsible for for the preparation, organization and implementation of the waste management track. Responsibilities are described in more detail below.

### **Preparation, organization and implementation of the smart waste management track**

The expert will lead the design and implementation of the smart waste management track of the Rwanda Smart City Edition of ii2030.

The waste management track aims to support circular and smart approaches to solid waste management.

In Kigali the volume of municipal solid waste is growing faster than the rate of urbanization. In addition, more than 60% of Kigali’s population live in unplanned settlements and they lack access to integrated infrastructure including solid waste management. The city has put in place different initiatives to tackle the solid waste management issues, with a ban on plastic bags and community clean-up, but more comprehensive and large scale solutions are still needed. Innovation and technological solutions can unlock the circular potential of the solid waste management sector by allowing to reduce, repurpose and recycle various waste from organic, plastic and e-waste. Such circular approaches allow to minimize environmental impact with alternative to polluting landfills while creating in parallel new formal employment opportunities.

The specific working hypothesis and sub-issues to be tackle (organic waste, e-waste or plastic waste) will be narrowed down by the track lead during the first preparation phase.

As track lead, the expert will be involved and take a leadership role 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 lead 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)<sup>1</sup> co-creation sessions, the expert will design 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). The preparation will include briefings and inputs from a dedicated graphic recorder that will support the visualization of the co-creation sessions.

During the co-creation phase, the expert will lead 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 document the results of the co-creation sessions and share the results with the participants. The most relevant outcomes and insights on the process will also be published in a blog post.

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<sup>1</sup> Depending on the travel restrictions

The following tasks are foreseen:

Project phases	Main tasks	Person days	Due date
<b>Consultation phase</b>			
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	
Regular meetings with GIZ, internal calls, project management	In all phases	3	
Background research and interviews	Conduct background research to identify relevant topics and systemic challenges to be solved by a track. This includes literature review, desk research and consultation of relevant stakeholders including startups, corporates, government agencies, academia, sector experts and other relevant participants in up to 15 interviews.	4.5	
Development of hypothesis for the track	Based on background research and initial scoping, define an opportunity space for systems change for each track	1	
Identification and contacting of relevant participants	Use networks as well as networks of partners to identify a long list of up to 50 potential partners from different sectors (business, CSOs, government, academic, development partners) and invite them to the process.	2	
Interactive webinar 1	Prepare and 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.	2	
Develop content of 2 <sup>nd</sup> webinar	Analyse the results of the 1 <sup>st</sup> webinar to understand the system dynamics.	1	
Interactive webinar 2	Prepare and 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.	2	
<b>Co-creation phase</b>			
Organization and preparation of (virtual) co-creation sessions	Based on the methodology developed for the (virtual) co-creation sessions, design track specific working templates for the different co-creation sessions (including systems maps, stakeholder maps and power dynamics, "How Might We" questions, roadmaps and prototype planning) and invite the relevant stakeholders to the sessions	3	
Stakeholder engagement (optional)	Include relevant stakeholders in preparation of the co-creation and the following implementation in Rwanda	2	
Implementation of virtual co-creation sessions	Facilitate 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	
Webinar to finalise the process	Organise, prepare and implement a webinar to finalise the process with all participants	1	
Documentation and assessment of results	At the end of the co-creation process, document the results of the co-creation sessions and share the results with the participants. The most relevant outcomes and insights on the process will also be published in a blog post. In addition, collect feedback from all stakeholders through interviews or surveys after the co-creation phase to assess results of the process and develop recommendations for the implementation.	2	
<b>TOTAL DAYS</b>		<b>28</b>	

## Requirements

- Education/training: University qualification (German 'Diplom'/Master) in relevant field
- General professional experience: 8 years of professional experience in private sector development sector and entrepreneurship, with focus on Africa
- Leadership/management experience: 8 years of management leadership experiences as project team leader or manager
- Specific professional experience: 5 years in systems practice and ecosystems development
- Specific professional experience: 5 years in waste management, with focus on Africa
- Specific professional experience: 3 years of experience in implementation of trainings and co-creation workshops
- 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: Ability to juggle a range of different priorities, sometimes under pressure
- 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 20, 2022 to:**

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