



Research stay form // mobility window

<u>Host institution</u>	Mzumbe University
<u>Topic - research question/title research project</u>	<i>Analysis of the effect of involvement in a citizen science project on water resources on childrens' WASH knowledge, interest in science and perceptions on citizen science.</i>
<u>Mobility window supervisor</u>	Dr. Christina Shitima & Prof. Nathalie Holvoet
<u>Description of the research project</u>	<p>The Women water Watch project (WwW) employs the citizen science concept to empower women from the coastal communities around Bagamoyo, Tanzania by involving them in water knowledge co-creation and dissemination. In Tanzania, women are key persons in the area of water knowledge and management. The burden of water fetching, storing, and treatment responsibilities lie on their shoulders. Women hold valuable water information, but they are often overlooked in water sector policy making. WwW engages women in all research stages using various innovative tools. Co-creating with women will positively impact their skills, confidence, and networks. WwW gives women a voice in water resource management and represents an opportunity for communities to rethink gender relations. Finally, we aim to use the collected data to produce scientific publications about the project's results acknowledging the contribution of these women.</p> <p>Additionally, the project also works with children/ school, using different tools (drawings of main water challenges, games, song, presentations, inviting children to become a monitor and get involved in the water testing), to map their perspectives on the main water issues, possible solutions and their views on how citizen science can contribute to these issues.</p> <p>Research question for the project: Analyse of the effect of the citizen science project on 1) knowledge/ information on water 2) interest in science and 3) perception on citizen science of the children involved (and maybe what tools (game/ water testing/ song/ presentations) work best for what purpose?) and/or 4) the usefulness of (childrens') drawings for needs assessments</p>
<u>Methodological approach used in the research project</u>	<p>To address the objectives of the study, survey data (pre & post training survey with children) and qualitative data (drawings, narratives ...) research approaches will be adopted to explore the effect on the children.</p> <p>The student will not participate in data collection, but can possibly be</p>

	involved in outreach activities ongoing in the project in the involved schools/ communities or visit to the project.										
Research stay description											
Tasks to be implemented by the intern (= IOB student)	<table border="1"> <tr><td>X</td><td>Literature review</td></tr> <tr><td></td><td>Field work: data collection</td></tr> <tr><td>X</td><td>Field exposure (not really data collection, but rather visit)</td></tr> <tr><td>X</td><td>Data analysis</td></tr> <tr><td>X</td><td>Writing of report</td></tr> </table>	X	Literature review		Field work: data collection	X	Field exposure (not really data collection, but rather visit)	X	Data analysis	X	Writing of report
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Final product	<p>X For all students: Research stay report: reflection on the role of research for development (from the research stay experience)</p> <p>X For all students: presentation of results in a final workshop at university</p> <p><input type="checkbox"/> a leaflet/poster should be designed with the methodology and most important findings of the study to be provided to community</p> <p>X policy brief/ blog/ report/infographic</p>										
Modality of insertion within the research group	<p>X Paired-work with local pre/postgraduate student.</p> <p><input type="checkbox"/> Paired-work with local young researcher</p> <p>X Individual work</p> <p><i>IOB pays per diem + transportation costs for the local person who accompanies the student (max. of 20 days)</i></p>										
Timeline Mobility window	The IOB student will start in mid-November, 2023 and run until around 22 of December. Ideally during the first days, a workshop will be organized with the IOB student and his twin partner and the local supervisor, to discuss the content of the project, the hypotheses, etcetera.										
Location and planning											
Office (is there an office space/ work place the student could use?)	Shared space may be available in the directorate.										

Field <i>(if field activities are included, what is the location)</i>	<i>This period, the student will be invited to join IF outreach activities (citizen science activities with children water testing, the water game,...) take place as so far as language and other constraints allow.</i>
Profile of the student	
Language requirements <i>(e.g. proficiency in English, Spanish would be an asset)</i>	<i>English is a requirement, Swahili an added value</i>
Required research skills <i>(e.g. quantitative research skills/ qualitative analysis)</i>	<i>qualitative analysis skills (e.g. narrative analysis (Nvivo, ...), visual research methods (working with drawings) ...) and/ or quantitative research methods (basic statistics, working with survey data, ...),report writing.</i>
Required content/ theoretical knowledge expertise <i>(e.g. knowledge on gender topics is an asset)</i>	<i>Knowledge/ experience on citizen science, anthropology, children, use of narrative/ visual research methods, WASH, ...</i>
<u>Services arranged by the local counterpart</u> <i>(e.g. office space, accommodation, access library, ...)</i>	<i>In Mzumbe university there is (free) accommodation available as well as the possibility of the use of a shared office. Student needs to pay an amount for use of electricity, cleaning, etc. In Bagamoyo the student needs to pay for accommodation.</i>