

## Project Proposal Summary

<b>Rotarian Peace Projects Incubator's Thematic Area</b>	<b>Climate Change and Peace</b>
<b>Rotary Focus Area</b>	<p><b>Promoting Peace</b>  <b>Providing Clean Water</b>  <b>Supporting Education</b>  <b>Growing Local Economies</b></p>
<p><b>Contact:</b>  Contact person within your group (Name and email)</p>	<p><b>Rose Osinde-Alabaster</b>  <a href="mailto:rose.alabaster@wehdi.org">rose.alabaster@wehdi.org</a></p>
<p><b>Project Title:</b>  Provide a full title (and acronym if any)</p>	<p><b>Capacity Enhancement for impact-based forecasting for Tana/Athi River Basins</b></p>
<p><b>Project Partners and Participating Organisations:</b>  List all your project partner organisations, including participating Rotary clubs and districts if any.</p>	<ol style="list-style-type: none"> <li>1. Water Environment &amp; Human Development Initiative WEHDI, Switzerland</li> <li>2. AQUAVEO, USA</li> <li>3. Rotary Kenya</li> <li>4. Kenya Meteorological Department (KMD)</li> <li>5. Kenya Water Resources Authority (WRA) – Tana and Arthi Basin regions</li> </ol>
<b>Geographical Scope</b>	<b>Tana/Athi River Basins in Kenya</b>
<p><b>Summary:</b>  Please provide a concise summary with a maximum of 500 words outlining the project and explaining the community needs your project will address and how these needs were identified.</p> <p>Ensure that you include what your project aims to achieve (objective) and how (method/procedure). What will be the main outcomes?</p>	<p><b>Context:</b> Water security challenges pose huge human risks in Kenya, leading to inter-community pressures and local-level conflicts. Water security can only be attained by having an understanding of current and future water availability. The COVID-19 crisis and extreme weather events each provide important lessons in understanding risk and creating effective Multi-Hazard Impact-Based Forecast and Early Warning Systems. However, communicating water data to the socio-economic sectors and local communities still remains a challenge for the basins in the Kenya hydrologic community.</p> <p><b>Objective:</b> To evaluate the data products to determine their potential performance in Kenya's climate-impacted Tana and Athi river basins &amp; to assess their reliability in providing water information/data and making well-functioning early warning communication systems available that can inform cross-sector planning and decision-making.</p>

<p>Explain in a few sentences how you will incorporate the objective of sustainability into your project.</p>	<p><b>Methodology:</b> This project builds on WEHDI’s planned evaluation of Hydromet data products and services that are currently available from two of the world’s most renowned Global Producing Centers (GPC).  The project will introduce KMD and WRA in the two basins to <i>impact-based forecasting training</i> in order to develop an agreed action plan that integrate the needs of the impacted communities and sectors.  Through an evaluation and assessmnet of the current data products and services of the KMD and WRA.  Materials for learning will be prepared for youth for use in selected pilot school in the two basins enviornmental clubs.</p> <p><b>Outcomes:</b> This project will enhance the effective delivery of warnings to hazards responders, including disaster management and civil protection authorities, to make informed decisions for water access, to save life and livelihoods when extreme weather, such as excessive rain causing flooding, occurs.</p> <p>We propose to develop a variant of the Streamflow Prediction Tool, a web application designed to display hydrologic results, for both the selected meteorological and hydrological forecasts. In addition, we propose to develop an application to facilitate the evaluation of the forecasts that KMD and WRA can use.</p> <p><b>Sustainability:</b> this project is focusing on institutional capacity strengthening of the entities responsible for tis function of communication risk and taking decisions. In addition it is involving you through Youth climate and peace clubs which will be established and resource materials for learning developed. These will act as basin youth amassadors of climate and Peace.</p>
<p><b>Beneficiaries:</b>  Who are the beneficiares? Please include the estimated number of direct beneficiaries</p>	<ul style="list-style-type: none"> <li>- Kenya Meteorological Department (KMD)</li> <li>- Kenya Water Resources Authority (WRA) – Tana and Arthi Basin regions</li> <li>- Youth</li> <li>- Socio-economic sectors in the 2 basins including: Diasater risk reduction and civil protection departments, Agriculture and energy departments</li> </ul> <p>It is estimated that this project will benefit approximately 350,000 – 500,000 people from these 2 targted basins. This number does not include downstream beneficiaries.</p>