



Ministry of Environment



Integrated Water Resources Management

# Rwanda National IWRM Conference

## 'Leaving no-one behind'



Kingdom of the Netherlands





# **WELCOME TO THE PRESENTATION**

**by**

**Jean de Dieu KAMALI**

**Instructor in Irrigation and Drainage Technology**

**RP-IPRC MUSANZE**



# *SUCCESS IN WATER SUPPLY AND SANITATION BY EFFICIENT USE OF WATER SPRINGS*

By Jean de Dieu KAMALI



# Why?

- Water shortages have been experienced in many parts of Rwanda.
- Many households have been negatively affected by lack of access to clean water.
- Water scarcity affects many spheres of living such as agricultural, economic, environmental, industrial and social spheres
- Etc...



- Based on this background, an empirical investigation was conducted in Nyabihu district to explore the origin of free-flowing clean water the Kirebe area.
- We found a spring with a constant discharge of around  $1\text{m}^3/\text{s}$ .
- Its water is not in use yet the people are suffering from lack of access to clean water.





Free flowing water from a spring, Kirebe village

By Jean de Dieu KAMALI



- This spring never runs short of water during the dry season or gets flooded in the rainy season. It remains uniformly clean.
- It provides naturally clean water, not requiring much treatment. This means it can serve the year round all along the year without deceiving.
- Taking care of the water conveyance infrastructures from the spring to the last user is paramount, otherwise the damage (even robbery) of the conveyance systems may occur resulting in the failure of the whole project.



In recommendation, we should invest to use and protect our clear-water springs, as they provide clean drinking water without needing much treatment.

This will allow us to provide all Rwandan citizens with clean drinking water, leaving no-one behind.





Thank you for your kind attention