

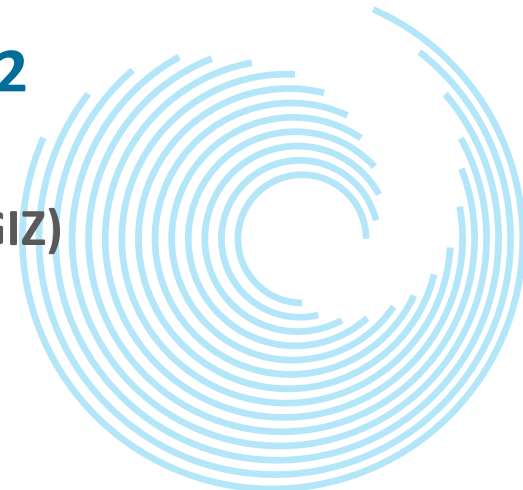


# Water and Wastewater Companies for Climate Mitigation (WaCCliM)

Proyecto Empresas de Servicios de Agua y  
Saneamiento para la Mitigación del Cambio  
Climático

12.2013 – 12.2022

Geraldine Canales (GIZ)



On behalf of:



Federal Ministry  
for the Environment, Nature Conservation  
and Nuclear Safety

of the Federal Republic of Germany

Implemented by:

**giz** Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH

**IWA**  
the international  
water association



**PERÚ** Ministerio  
de Vivienda, Construcción  
y Saneamiento

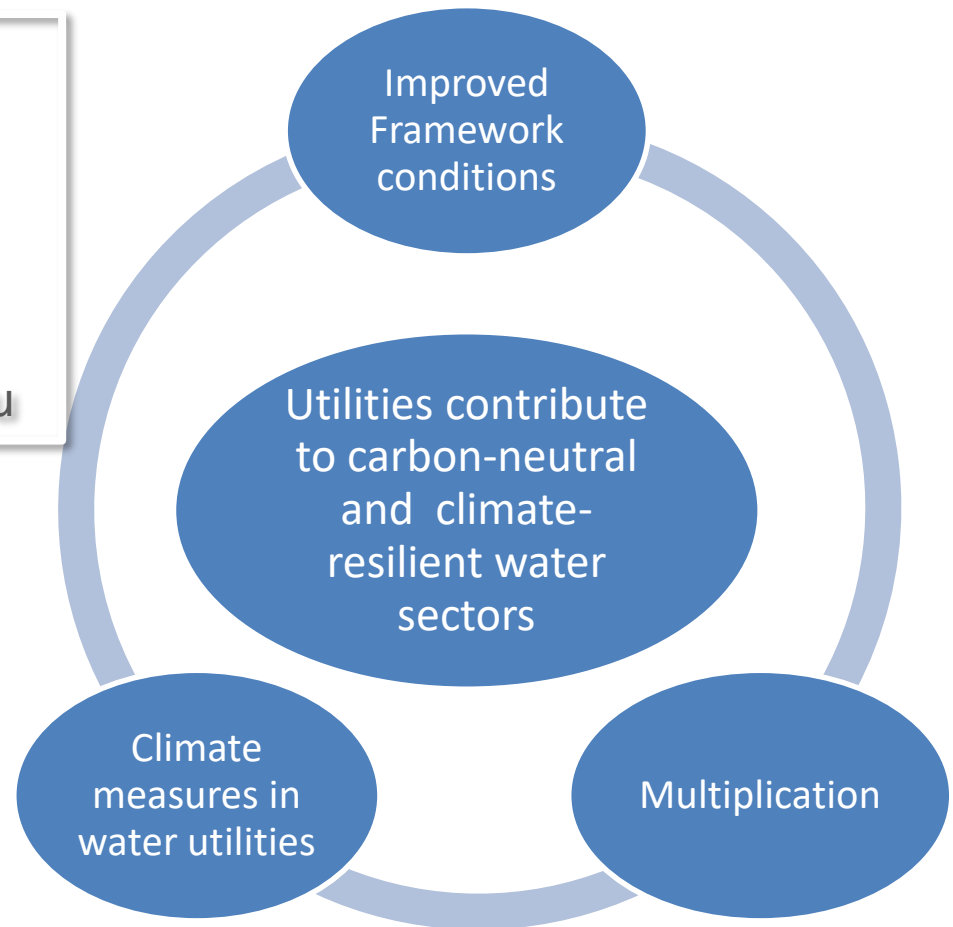
# WaCCliM Project Information

**Financed by:** International Climate Initiative (IKI) of German Federal Ministry for the Environment (BMU)

**Timeframe:** 12.2013 – 12.2022

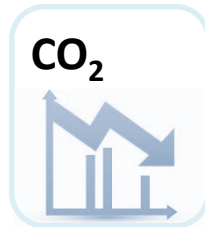
**Implemented by:** GIZ and IWA

**Partner countries:** Jordan, Mexico, Peru





Measures in  
water and  
wastewater  
utilities:



Framework  
conditions:



Multiplication:

## What continues

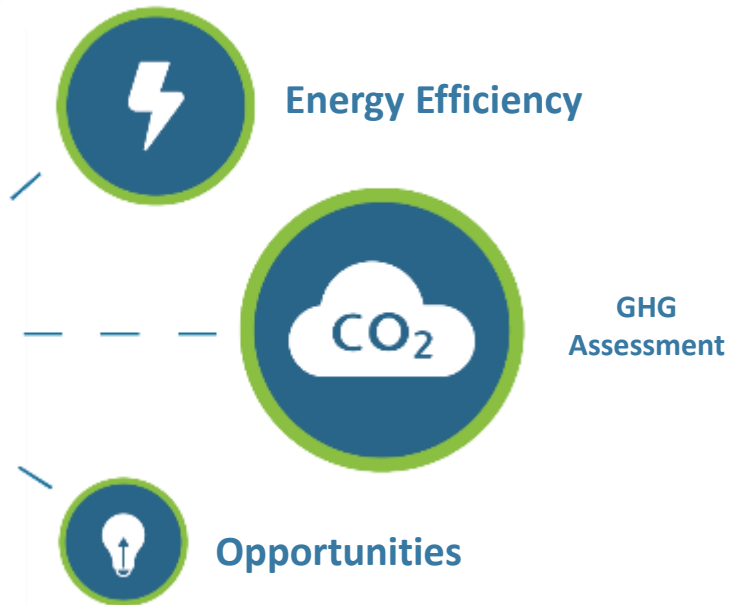
- Implementing WaCCliM roadmap & GHG reduction measures
- Improving enabling conditions, institutionalize ECAM
- Strengthening capacities and dissemination

## What is new

- Combining mitigation and adaptation measures (co-benefits)
- Integrating 4.0 technology
- Concretizing NDC implementation
- Integrating resilience and promoting country exchange

# ECAM - Energy Performance and Carbon Emissions Assessment and Monitoring Tool

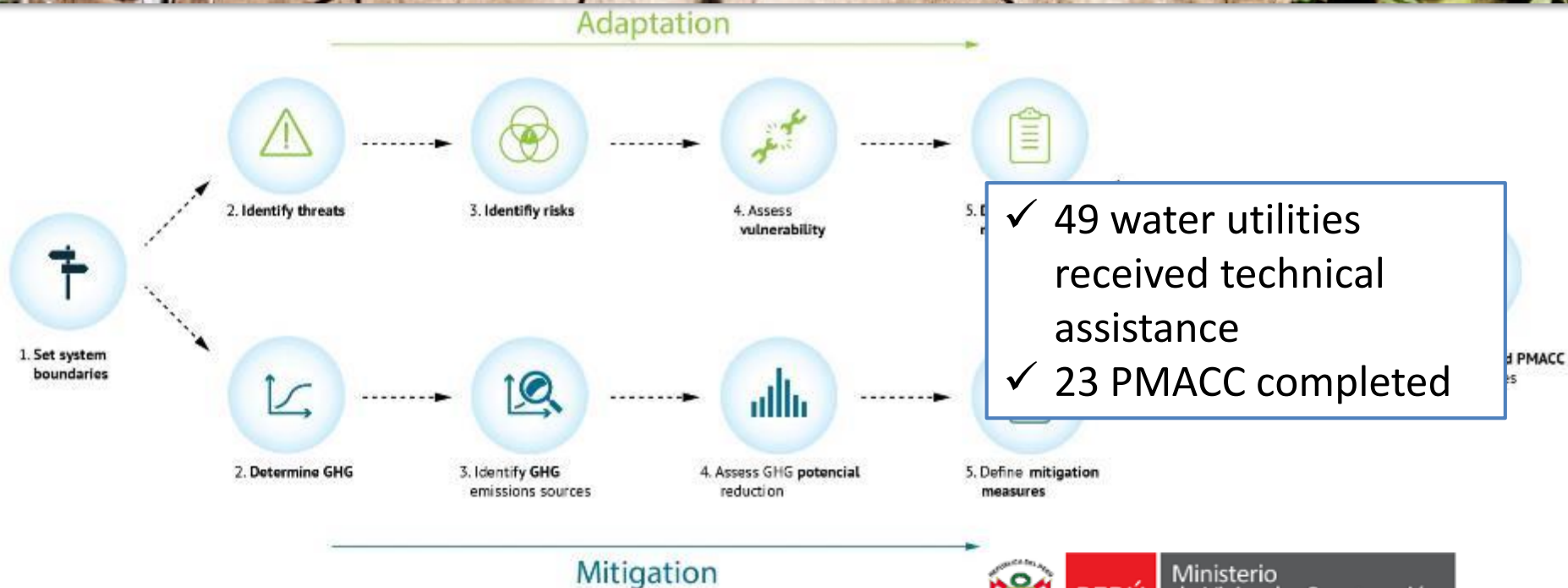
[www.wacclim.org/ecam](http://www.wacclim.org/ecam)



- Free & Open Source
- Online Tool
- IPCC Methodology
- MRV

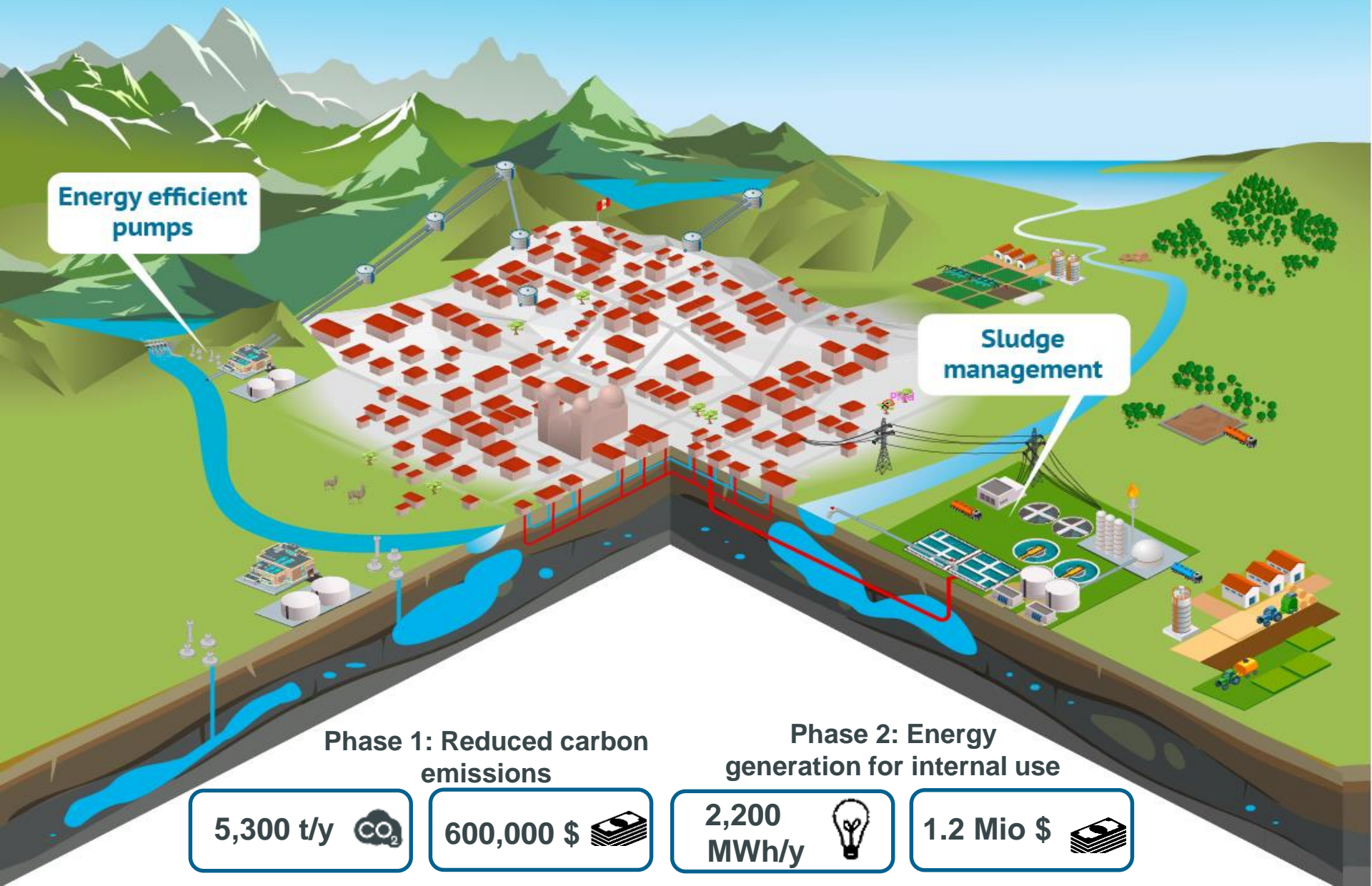
# Results achieved – WaCCliM Peru\*

## A planning framework: *Climate Change Mitigation and Adaptation Plans (PMACC)*



\*In collaboration with PROAGUA II (BMZ)

# Cusco, Peru: Turning wastewater into wealth



Energy efficient pumps

Sludge management

Phase 1: Reduced carbon emissions

Phase 2: Energy generation for internal use

5,300 t/y 

600,000 \$ 

2,200 MWh/y 

1.2 Mio \$ 

# Our Partners



On behalf of:



of the Federal Republic of Germany



Implemented by:

