

Promoting Environmentally and Socially Sustainable Cage Aquaculture (PESCA)



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Rationale



Contribute to sustainable fisheries and aquaculture management in the African Great Lakes Region (AGLR)



Cage culture has potential to increased fish production in the African Great Lakes Region (AGLR)

But can degrade water quality

Can interfere with other lake uses

It needs to be practiced in a socially, economically. and environmentally sustainable way

Objectives / Outcomes

Demonstrate cross-basin collaboration and partnership in development and application of Best Management Practices (BMP) in cage aquaculture across AGL through the following outcomes:

- ❖ An African Great Lakes Cage Aquaculture Network (AGL-CAN) established;**
- ❖ Information and data mobilized and harmonized BMP that can be applied across AGLR produced; and**
- ❖ Awareness raising materials in BMP produced and shared**

This is expected to contribute to:

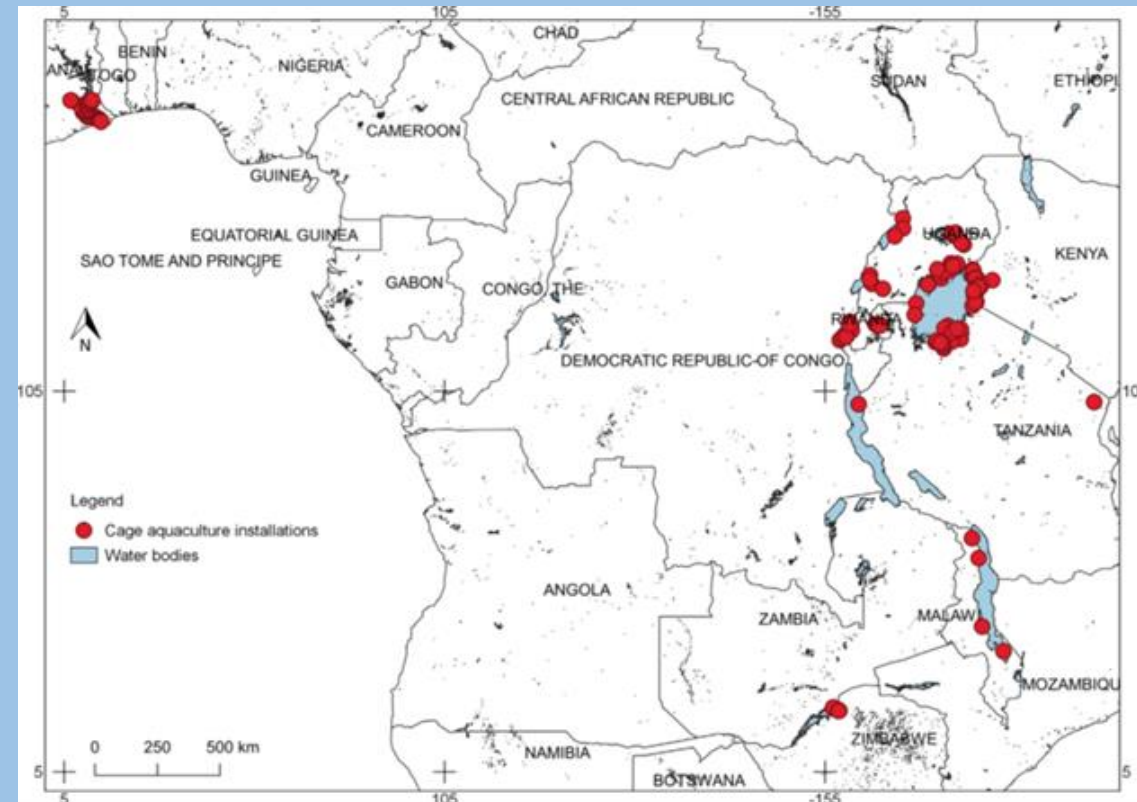
- ❖ Sustainable fisheries and aquaculture development in the AGL region, and;**
- ❖ SDGs 1 and 2 - ending poverty and hunger, 3 - healthy lives and well-being, 6 - clean water and sanitation, 14 - Life below water, and 17-partnerships;**

AGL-CAN established

The study confirms that cage aquaculture was spreading fast in Africa with highest concentration in the AGLR

AGL-CAN was established across:

- ❖ **Five of the seven AGL basins (Malawi, Kivu, Victoria, Edward, Albert) ;**
- ❖ **Six of the eleven AGL countries (Mozambique, Malawi, Tanzania, Uganda, Kenya, Burundi) ; and**
- ❖ **Seven national institutions from six countries of the AGLR**



Harmonized BMP for AGLR developed

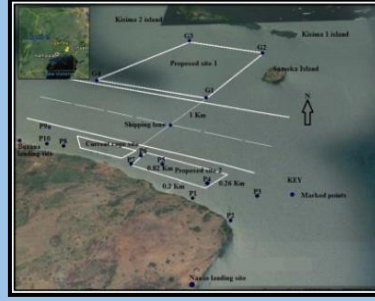
BMP in cage aquaculture involve:



**Seek guidance
of technical
staff**



**Select
suitable and
capable sites**



**Zone site to
separate from
other lake uses**



**Lay out the
cages
properly**



**Provide
security**



**Manage
farm
wastes**



**Culture
native
species**



**Use
nutritious
feeds**



**Monitor fish
health**



**Monitor water
quality at the
cage site**



**Identify market
before
harvesting**



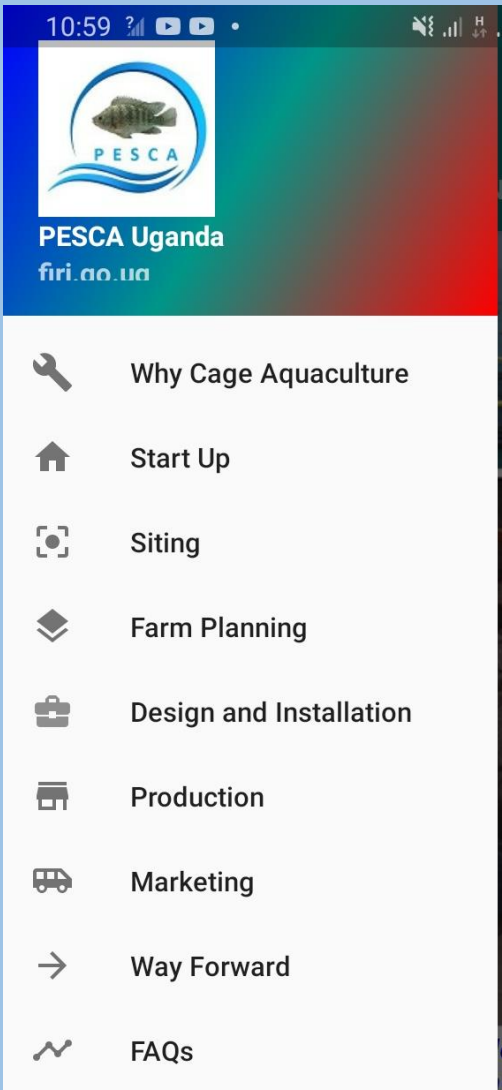
**Dispose cages
properly at end
of operation**

Awareness raising materials in BMP produced

The BMPs were translated into outreach materials including a mobile application “NARO cage aquaculture” covering the main steps of BMP which can be accessed on Google Play Store on smart phones running android application.



A paper on BMP was published in the *Journal of Great Lakes Research*



Impacts

- ❖ **Establishment of cross basin collaboration in cage aquaculture;**
- ❖ **Availability of BMPs to guide policy and practice in cage aquaculture; and**
- ❖ **Increased contribution of cage aquaculture to fish production, employment, income and nutrition**

