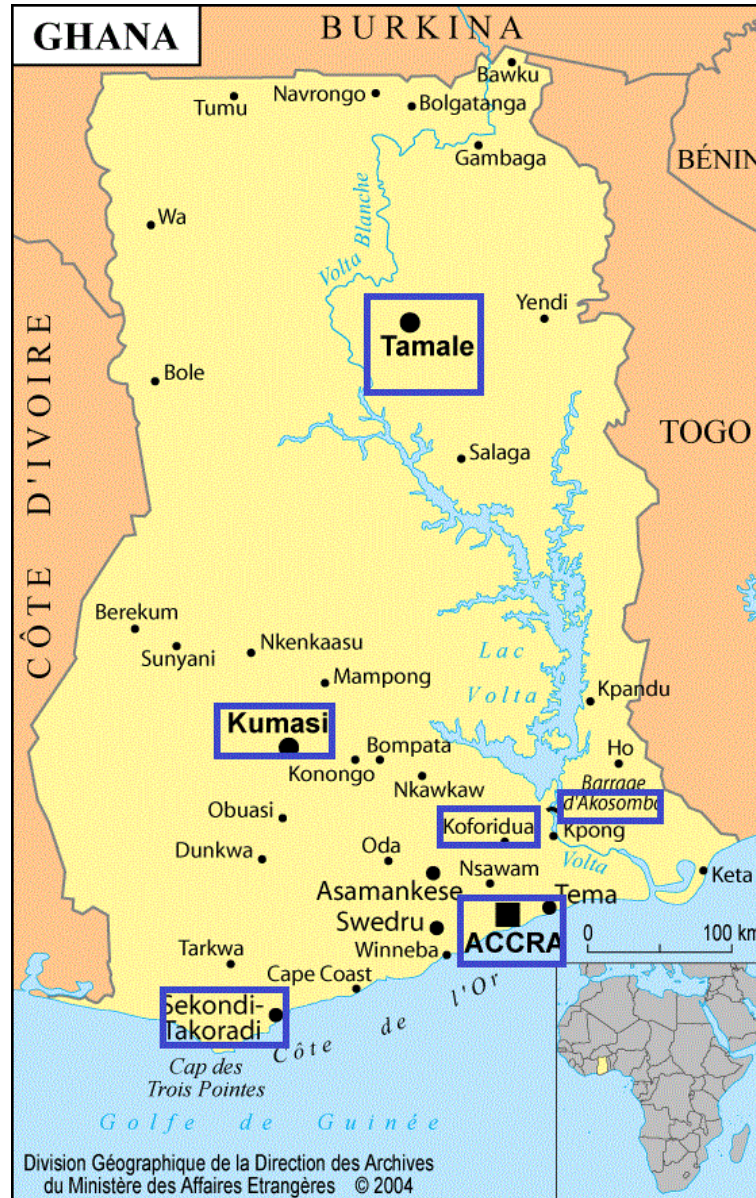


NATIONAL ACTION PLAN (NAP) ON TILAPIA LAKE VIRUS (TiLV)

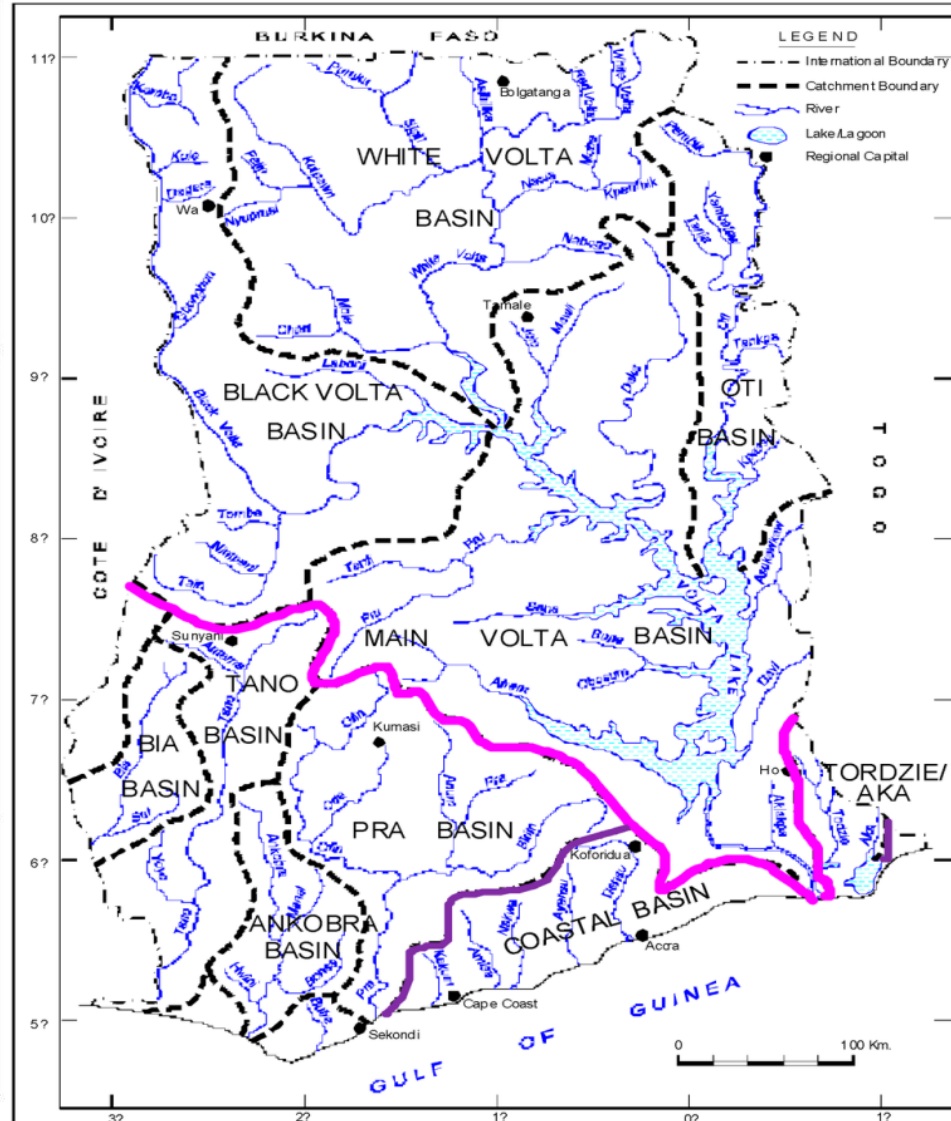
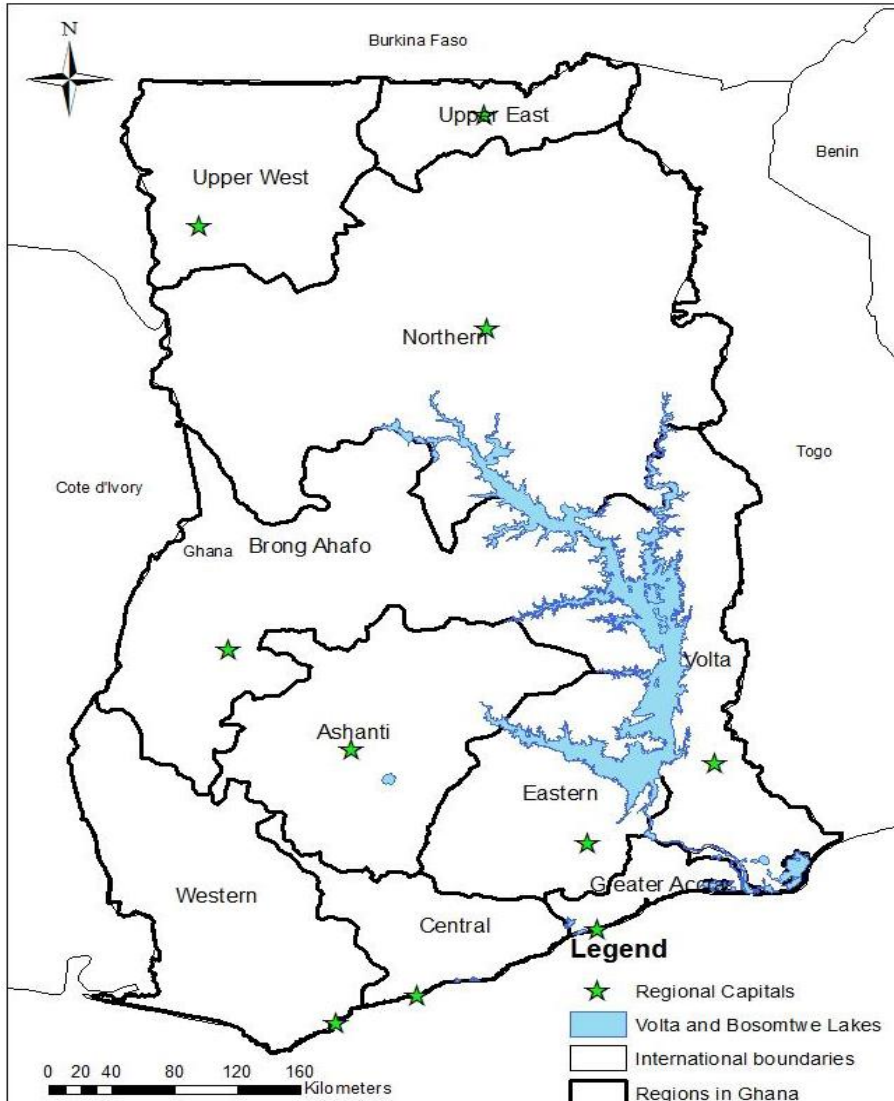


GHANA COUNTRY REPORT

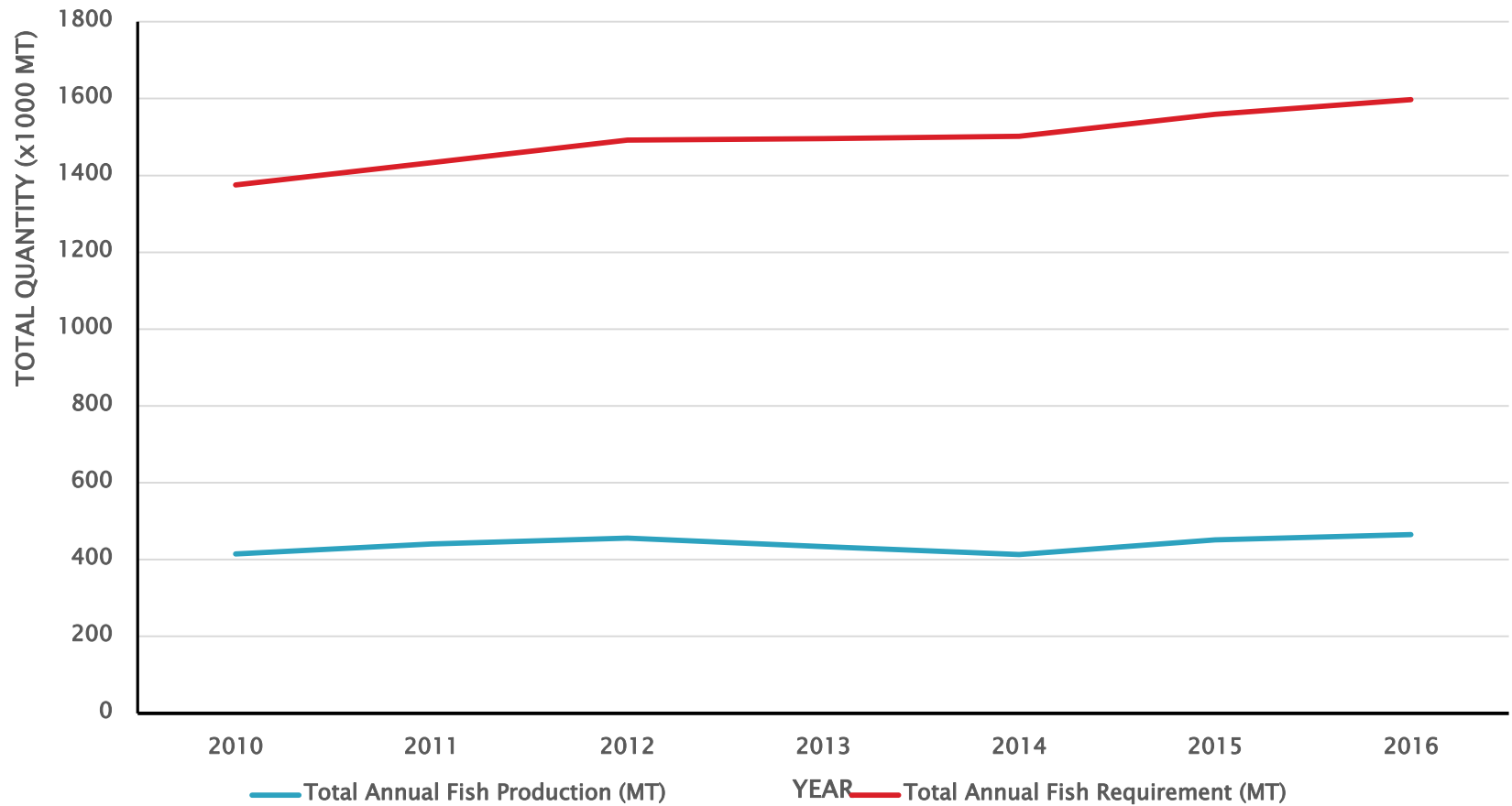
GHANA, WEST AFTRICA



THE VOLTA AND OTHER MAJOR RIVER BASINS IN GHANA



TOTAL ANNUAL FISH PRODUCTION & REQUIREMENT IN GHANA



SECTORAL INFORMATION

MAIN CICHLIDS REPORTED IN GHANA

- *Oreochromis niloticus*
- *Tilapia zilli*, *T. guineensis*, *T. busumana*
- *Sarotherodon galilaeus*, *S. melanotheron*
- *Hemichromis fasciatus*, *H. bimaculatus*

MAIN FISH SPECIES CULTURED IN GHANA

- *O. niloticus* (Akosombo strain)
- *C. gariepinus*
- *H. niloticus*
- *P. monodon*

SOME AQUACULTURE STATISTICS IN 2017

	PARAMETER	VALUE
1	Pond productivity (mt/ ha/yr)	3.1
2	Cage productivity (kg/m ³ /yr)	50.0
3	Aquaculture production (mt)	57,405
4	Aquaculture employment	6,633
5	Number of farmers	2,300
6	Number of earthen ponds	4,385
7	Number of cages	8,415
8	Number of dams & dugouts	731
9	Number of hatcheries	65
10	Number of fingerlings	171,000,000

NUMBER OF FISH FARMS IN GHANA AS AT THE END OF 2017

REGION	FARMS
CENTRAL	185
GREATER ACCRA	82
BRONG AHAFO	484
VOLTA	150
ASHANTI	416
EASTERN	292
WESTERN	520
UPPER WEST	25
UPPER EAST	30
NORTHERN	10

GIS LOCATION OF SOME FISH FARMS

- Have data on Excel worksheet

EXISTING LABORATORY FACILITIES

- Veterinary Services Department (MOFA)
- Department of Biochemistry, Cell and Molecular Biology, UG
- Noguchi Memorial Institute for Medical Research, UG
- KNUST
- UCC

SOME FISH PATHOGENS/PARASITES ASSOCIATES WITH TILAPIA IN GHANA

- Bacterial
 - Streptococcus spp (agalactiae & iniae)
 - Flavobacterium columnare
 - Aeromonas hydrophila
 - Edwardsiella sp.
- Fungi
 - Saprolegnia sp.

SOME FISH PATHOGENS/PARASITES ASSOCIATES WITH TILAPIA IN GHANA

- Parasitic
 - Myxozoans
 - Trichodina
 - Chilodonella
 - Argulus
- Viral
 - None reported

MAJOR STAKEHOLDERS

- Ghana Aquaculture Association
- Association of Pond Fish Farmers
- National Fish Processors and Traders Association
- Youth in Agriculture
- Environmental Protection Agency
- Veterinary Services Directorate
- Water Resources Commission
- Volta River Authority
- Research Institutions
- Universities

GOVT COMMITMENT/BOTTLENECK

- Committed to some extent by the Devt of GAAHP
- Financial commitment has always been a challenge
- Unharmonized regulations lead to duplication/shirk of responsibilities
- Enforcement of regulations is low
- Ministerial reshuffling is a drawback
- Non implementation of important policies

PROPOSED SOLUTIONS

- Harmonize activities of Regulators and stakeholder organisations
- Engagement of opinion leaders and all relevant stakeholders
- Appeal to government to increase financial support
- Seek financial support for capacity building from other funding agencies
- Implement all relevant policies esp. GAAHP

TECHNICAL & OPERATIONAL SUPPORT

- Possibility of delay in acquisition of equipment and materials for the project
 - Early submission of requests and procurement
- Delay in submission of technical reports
 - Project Leader must assign specific roles to individuals on the project and monitor their performance
- Farmers apathy in involvement especially if they don't see any immediate financial gains
 - Education and encouragement