



**PAPER PRESENTATION  
AT THE TENTH (10) YEAR ANNIVERSARY OF  
THE ICHARM'S CAPACITY BUILDING**

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# OVERVIEW OF NIGERIA

- The Federal Republic Nigeria has a total surface area of 923,768 km<sup>2</sup> and comprises 36 states and its Federal Capital Territory, Abuja.
- It shares land borders with Niger in the north, the Republic of Benin in the west, Chad and Cameroon in the east, while its coast in the south lies on the Gulf of Guinea in the Atlantic Ocean.
- Nigeria currently has a (2015) population of: 183,523,432 people and it is estimated that by the year 2045, thirty years on from here, the population would have risen to 394,380,709 which is more than twice the present population.
- As at 2014 the economy was worth more than \$500 billion which made it one of the largest economies in Africa.

# MAP OF AFRICA SHOWING LOCATION OF NIGERIA



FEDERAL REPUBLIC OF NIGERLA

# OVERVIEW OF NIGERIA

- Water is one of the most important natural resource and Nigeria is considered to be abundantly blessed with water resources. Water is a basic natural resource for socio – economic development. It is fundamental for various social and economic development activities such as industrial production, irrigated agriculture, livestock farming, mineral processing, hydropower production, navigation, recreation and tourism.
- Every Nigerian has the right to adequate water and sanitation, nutrition, clothing, shelter, basic education, and health care, as well as physical security and the means of making a living.

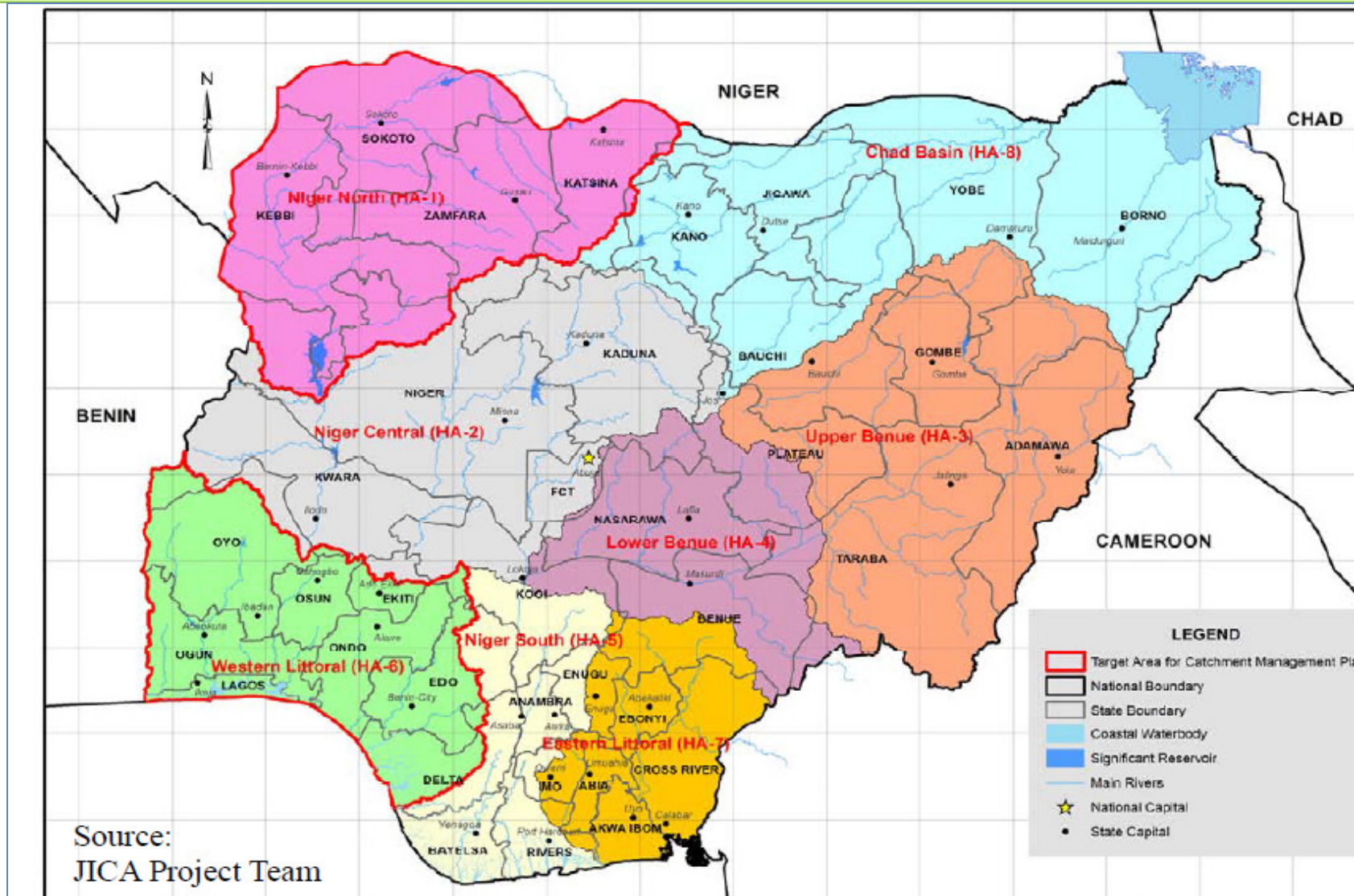
# OVERVIEW OF NIGERIA

- However, there is a temporal and spatial variation in water availability in the northern parts with lower precipitation and only about 500mm in the north-east while the south experiences higher precipitation levels with over 4,000mm in the southeast.
- This high variability of rainfall in time and space is a significant characteristic of the tropical climatic belt, especially in the Sahelian part of the country. The challenges of high variability in precipitation has been manifested in the form of persistent drought in the northern parts of the country in the past four decades with its attendant impact on the reduction in the extent of wetlands and the almost complete loss of the Lake Chad.
- In recent years, extreme weather conditions has led to serious flooding in many parts of the country. The south has problems of salt water intrusion and flooding.

## OVERVIEW OF NIGERIA

- Nigeria has two major river systems. The Niger entering the country from the northwest, and the Benue entering from the Northeast which together with their many tributaries drain half the land area of the country. The north east of the country is mainly drained by rivers discharging into Lake Chad with many other rivers in the north being intermittent, having water in them only in the rainy season.

# NIGERIA'S EIGHT (8) HYDROLOGICAL BASINS





# CHALLENGES FACING MY ORGANIZATION

- Unevenly distributed water resources and demand necessitating the creation of dams and transportation of water to the areas of need;
- Fragmented and uncoordinated water resources development as a result of inadequate catchment management;
- Unclear roles and responsibilities among the various levels of government, different ministries, departments and agencies at the Federal and State levels;
- Inadequate water resources data collection and management. This leads to poor planning and project designs;
- Extreme weather conditions due to climate change resulting in prolonged droughts, increased flooding, widespread erosion and communal conflicts;

# CHALLENGES FACING MY ORGANIZATION

- Poor or inefficient management of water resources infrastructures like dams, reservoirs, waterworks and distribution networks, irrigation structures and navigable waterways leading to financial losses and unreliable service delivery;
- Weak policies and legislation on disaster risk reduction;
- The menace of aquatic typha grasses along the river system within the Hadejia-Jama'are-Komadugu-Yobe basin (my area of assignment);
- Sedimentation of the river system and water bodies;
- The absence of up to date Hydrological Monitoring networks in the area of operations;

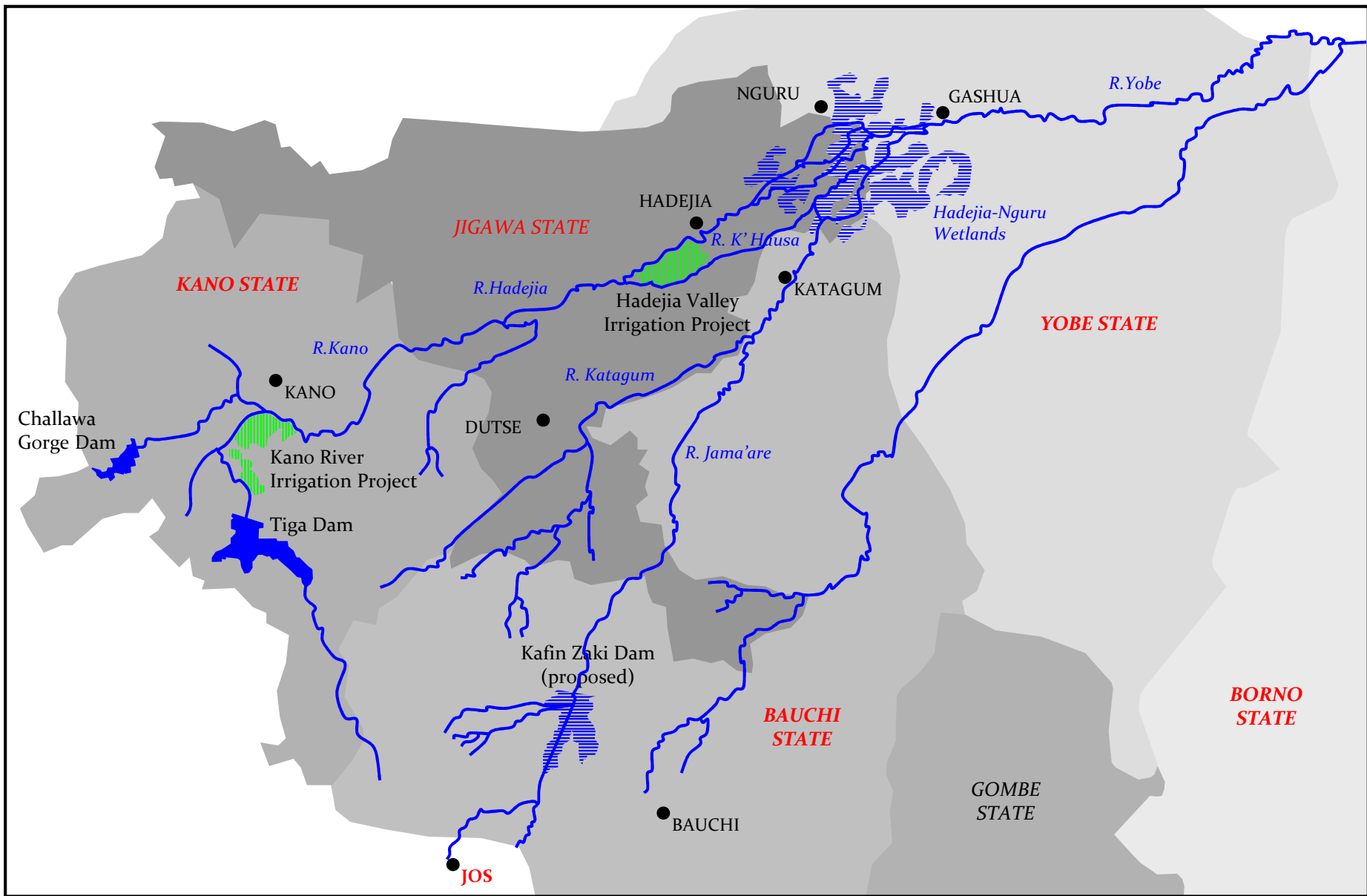
# CHALLENGES FACING MY ORGANIZATION

- Inadequate man power due to the shortage of personnel;
- Uncoordinated water releases from the dam owners, which results in flooding of the farm lands and the downstream communities;
- The lack of capacity building:-
  - Most of our staff members have not been fully trained in disaster management due to insufficient financial support.
- The legal status of the commission is still pending.
  - The bill of the commission which had been passed by the National Assembly is still waiting for the ascent of the country's president.

## MY ACTIVITIES AND RESPONSIBILITIES IN RESPECT OF WATER RELATED DISASTER MANAGEMENT

- Working with the stakeholders in my catchments' and the entire country at large in addressing the flood risk and propose the mitigation measures. Example:- the application of IFAS Model developed by ICHARM to issue flood warning system.
- Monitoring of the dam inflow within the catchment.

# MAP OF HADEJIA- JAMA'ARE- KOMADUGU-YOBE BASIN SHOWING DEVELOPMENTS



## MY ACTIVITIES AND RESPONSIBILITIES IN RESPECT OF WATER RELATED DISASTER MANAGEMENT

- Engaged in intervention projects by my Organization to reduce the risk of flooding in some communities at risk, by taking some necessary measures to avert flooding through channel clearance with a view to maintain its natural course way.
- Raising awareness in respect of disaster risk management through educating the communities that may likely be affected by the disaster.

## MY FUTURE AMBITIONS TOWARDS WATER RELATED ISSUES IN NIGERIA

- Hydrological issues
  - To facilitate and ensure in partnership and collaboration with other relevant organizations that all the hydrological networks with hydrological areas are resuscitated and monitored.
  - To partake in implementation of policies and legislation put in place by the government of the day, on improvement of water resources management across the country.

## MY FUTURE AMBITIONS TOWARDS WATER RELATED ISSUES IN NIGERIA

- Disaster management issues
  - Contribute to a coordinated approach by all water related agencies in tackling the water issues, thereby encouraging Integrated Water Resource Management rather than sectorial approaches.
  - Contribute to current government's drive in putting in place robust disaster risk reduction programs especially with the current challenges being faced by Internally Displaced Communities within North East of Nigeria due to insurgency;



## MY FUTURE AMBITIONS TOWARDS WATER RELATED ISSUES IN NIGERIA

- To see that the disaster prone areas are empowered, as part of poverty reduction measures which can curtail the Rural – Urban drift and which can also relieve the pressures on the urban areas.

**ARIGATO gozaimasu**  
**THANK YOU FOR YOUR ATTENTION**