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Federal Ministry  
for Economic Cooperation  
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Zusammenarbeit (GIZ) GmbH



# The regional **Nexus** dialogue in the Niger basin

Bonn, 05.06.2019

Mr Traore Abdou Ramani  
Niger Basin Authority (NBA)



160 Mio  
people

20%  
energy  
access

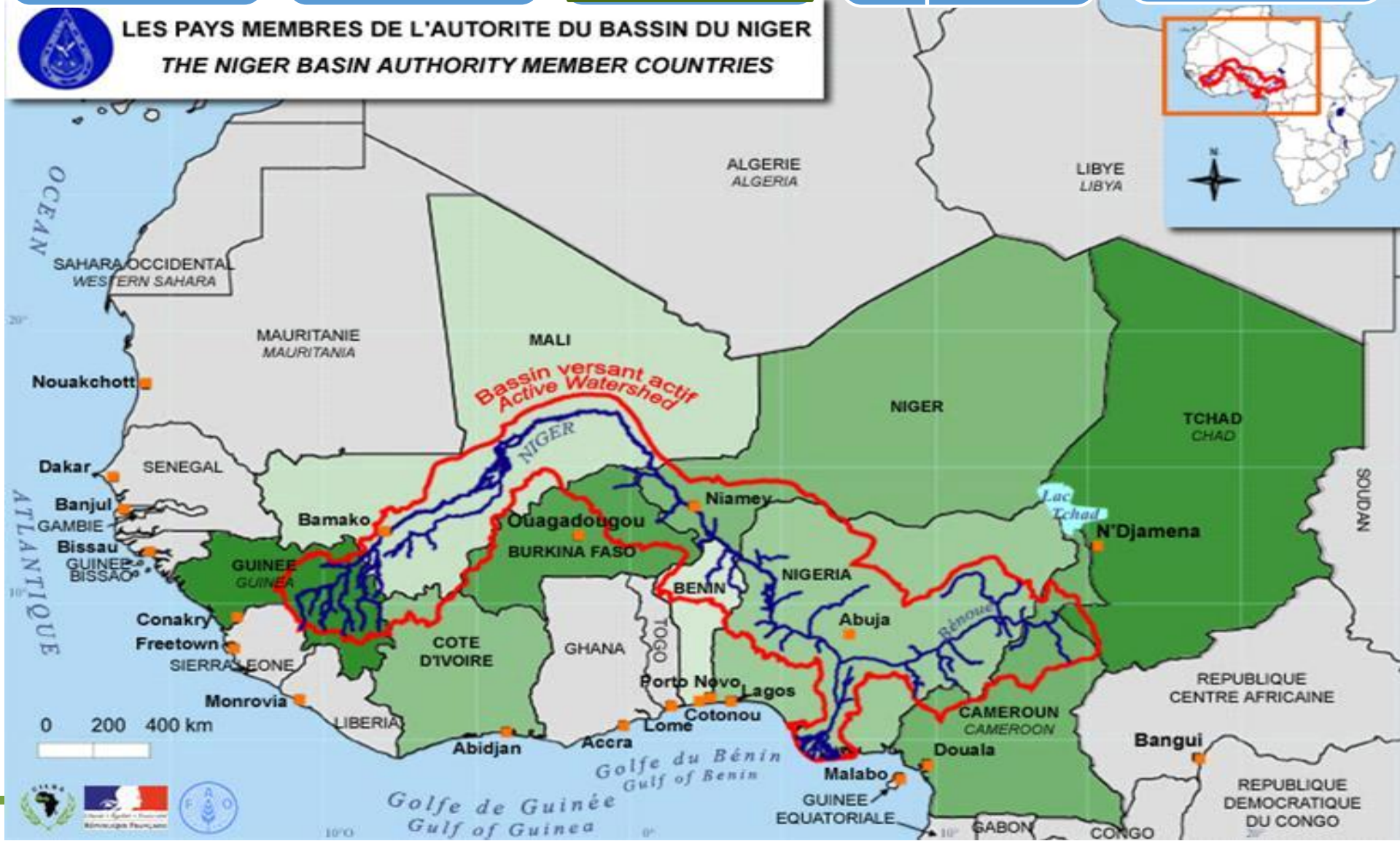
70% rain-  
fed agric

20%  
hydroelec  
potential  
exploited

60% no  
access to  
treated  
water



LES PAYS MEMBRES DE L'AUTORITE DU BASSIN DU NIGER  
THE NIGER BASIN AUTHORITY MEMBER COUNTRIES



# The Shared Vision of the NBA

Faire du bassin du Niger un **espace commun de développement durable** par une gestion intégrée des ressources en eau et **des écosystèmes associés**, pour l'amélioration des conditions de vie et la prospérité des populations à l'horizon 2025.  
→ Ratifiée par les chefs d'état

Make the Niger Basin a **common area of sustainable development** through **integrated management of water resources** and **associated ecosystems**, for the improvement of living conditions and the prosperity of the population by 2025.  
→ Ratified by the heads of state



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# LE REGIONAL NEXUS DIALOGUE IN THE NIGER BASIN

## Milestones Phase I

- 1) Regional workshop Niamey October 2017
- 2) National workshop Mali May 2018
- 3) Multipurpose dam Kandadji workshop June 2018
- 4) National workshop Niger July 2018
- 5) Regional workshop on investment plan Niamey September 2018



GIZ support to NBA

2017-2019 phase I  
€ 1 Mio

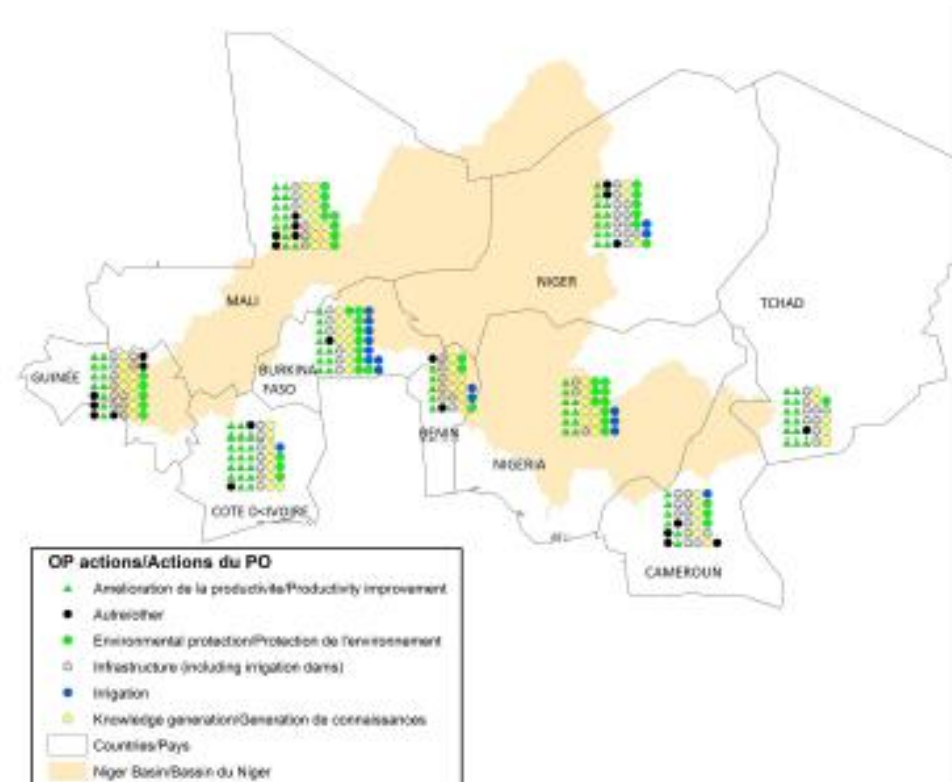
Team:

- 1 Advisor
- 1 NBA Nexus focal point

[WWW.WATER-ENERGY-FOOD.ORG](http://WWW.WATER-ENERGY-FOOD.ORG)

# The 2016-2024 Operational Plan of the NBA

- Actions proposed by the member countries and validated by the NBA
- Criteria for inclusion:
  1. Contribution to strategic objectives (infrastructure, ecosystems, governance)
  2. Transboundary character
  3. Level of project maturity
  4. Availability of financing
- Insufficient knowledge of cumulative impact of the actions → Nexus

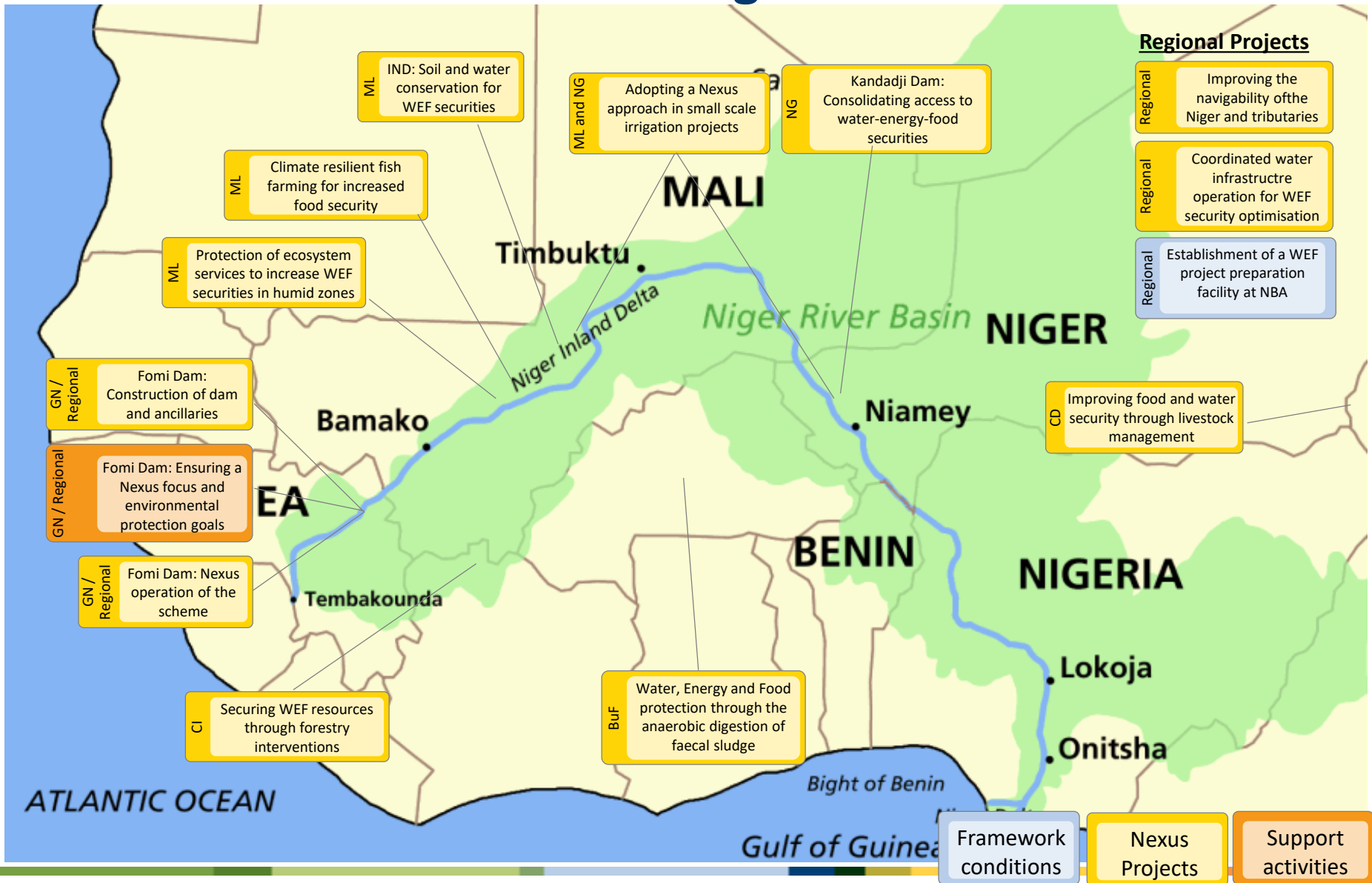


**Operational Plan finalised in 2015 with over 350 actions, for a total cost of US\$ 7,2 Billion over the period 2016-2024**

**Table 10: Nexus criteria for the triennial Operational Plan of the NBA**

Area	Details	Unit
<b>1 PROJECT OVERVIEW</b>	Project Number	No.
	Project Title	text
	<i>Who is the main contact and Institution for the project?</i>	text
	<i>Budget</i>	CFA
	Project code (drop-down menu)	P111-P351
<b>2 BENEFITS</b>	<i>Project category (drop-down menu)</i>	1-85
	<i>Who benefits from the project?</i>	No people / ha
<b>3 CONTRIBUTION TO THE STRATEGIC PLAN</b>	<i>How do women and men benefit from the project?</i>	text
	No contribution of the project to the Intermediate Outcomes (IO) of the SP: score 0; contribution to one IO: score 1; two IO: score 2; more than 2 IO: score 3	score (0-3)
<b>4 TRANSBOUNDARY CHARACTER</b>	Local projects without transboundary Impact: score 0; Local projects with transboundary Impact: score 2; Projects Including two countries: score 4; projects Including more than 2 countries: Score 6	score 0-6
<b>5 LEVEL OF MATURITY</b>	Project Idea: score 0; Identification completed: score 2; project preparation completed: score 3; preliminary studies completed: 4; Environmental and social Impact assessment completed: score 5; evaluation completed: 6; negotiation stage: 7; agreement signed: 8	score 0-8
<b>6 AVAILABILITY OF FINANCING</b>	Donors NOT Identified: score 0; In process of Identifying doors: 3; donors Identified: 5	score 0-5
<b>7</b>	Simple SCORE—(will be done by NBA)	(sum of Q 3-6)
<b>8 LOCATION</b>	<i>Location I</i>	<i>District</i>
	<i>Location II</i>	<i>GIS Coordinates</i>
<b>9 FOOD SECURITY</b>	<i>Contribution to Food Security</i>	<i>from -3 to +3</i>
	<i>WHY? (How is the project contributing to food security?)</i>	text
	<i>If the score is positive, please identify synergistic measures; if the score is negative, please identify mitigation measures</i>	text
<b>10 ENERGY SECURITY</b>	<i>Contribution to Energy Security</i>	<i>from -3 to +3</i>
	<i>WHY? (How is the project contributing to energy security?)</i>	text
	<i>If the score is positive, please identify synergistic measures; if the score is negative, please identify mitigation measures</i>	text
<b>11 WATER SECURITY</b>	<i>Contribution to Water Security</i>	<i>from -3 to +3</i>
	<i>WHY? (How is the project contributing to water security?)</i>	text
	<i>If the score is positive, please identify synergistic measures; if the</i>	

# Overview of potential GIZ Nexus projects and activities in the Niger River Basin



# Action Plan: 7 projects with major Nexus potential

## GREEN INFRASTRUCTURE

1. Decrease erosion and sedimentation in the Niger basin for greater water and land security
2. Climate resilient fish farming for increased food security.

## ECOSYSTEM-BASED ADAPTATION

1. Humid zones – Protection of ecosystem services to increase WEF securities.
2. Forestry management for securing WEF securities

## GRAY INFRASTRUCTURE

1. Ensuring Nexus focus in the implementation of the Fomi Dam Scheme
2. Consolidating access to WEF securities in area affected by the Kandadji Dam
3. Small-scale irrigation to increase WEF security in agriculture.



# ACTION 1

## Fomi Dam Scheme - ensuring multipurpose Nexus focus in implementation



### Country/Region:

- Guinea / Mali, Niger river Basin

### Partners

- Gouvernement of Guinea, Ministry of Energy and Water Resources
- Niger Basin Authority (NBA)

### Cost

- 600 000 € in 3 years

### CONTEXT

- The construction of the Fomi dam has been **at the center of discussion since the 1940s.**
- **In Guinea :** increased electricity production, 100 000 ha of irrigated land, opportunities to develop fisheries, 45 000 people displaced.
- **Significant ecological impacts,** on agriculture and on fisheries, particularly in the inner Niger Delta, in Mali.

### DESCRIPTION

- **Targeted advisory services** for stakeholders will ensure that a Nexus approach informs discussions and key decision-making for the construction and operational execution of the dam.
- **A basin-wide WEF environmental analysis** on the effects of the dam, in particular the impact on the IND.
- **Dialogue between key partners** will support the implementation of agreed activities and plans to ensure WEF security.

# ACTION 1

## Fomi Dam Scheme - ensuring multipurpose Nexus focus in implementation

### NEXUS ASPECTS

Engagement of government institutions responsible for water resources in regulating flows.

**The Ministry of Energy and Water resources** is responsible for the construction of the dam.

**The Ministry of Agriculture** manages issues related to agricultural production, livestock and hydrobiology

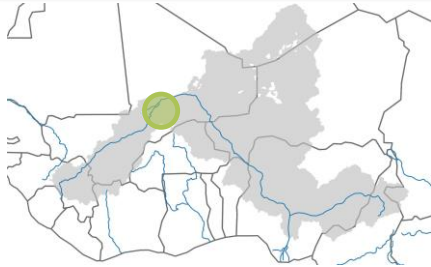
**The Ministry of Environment** is responsible for the design, development, coordination and implementation of national policies

### EXPECTED RESULTS

- Key decisions **consider potential effects and Nexus limits**.
- Partners have an understanding of the interdependencies of WEF securities and negotiate for their interests.
- **The impact studies** (environmental and social) of the dam are based on a Nexus perspective.
- **The advantage of adopting a Nexus approach** for any project of regional importance is demonstrated.
- The Fomi dam is a more bankable project for donors.

# ACTION 2

## Humid zones – Protection of ecosystem services to increase WEF securities



### Country/Region:

- Mali, Inner Niger Delta, identified vulnerable zones

### Partners

- Local government in the Inner Niger Delta
- Collaboration with NGOs

### Cost

- 1 200 000 € in 3 years

### CONTEXT

- **Inner Niger Delta:** an ecologically rich area on which 3 million people depend.
- **Poor planning and management + climate change** → negative impact on DIN
- Protecting ecosystem services will **combat IND degradation and protect WEF security**

### DESCRIPTION

- **Identification of vulnerable sections** of the DIN
- **Participatory analysis of ecosystem services** and WEF activities related to livelihoods
- Analysis of the use and impact of the results of the **OPIDIN model.**
- Strategy to **improve the use of the model results and current practices** of resource users.
- **Integration of resource users** (especially youth and women).

# ACTION 2

## Humid zones – Protection of ecosystem services to increase WEF securities

### NEXUS ASPECTS

Involvement of water user groups

Engagement of **fishermen's associations and pastoral organizations.**

Focus on **ecosystem services**

Engagement of **environmental organizations**

**Participation des institutions WEF:**

- Communautés et autorités locales
- Direction Nationale de l'Hydraulique
- CNU Mali / CRU

### EXPECTED RESULTS

- **Resource management is improved**, population resilience is increasing
- The **ecosystem services** of vulnerable sections of the IND are protected
- The availability, understanding and use of **flood-related information** is improved and profitable
- **Lessons learned are made available** to all NBA States
- Stakeholders analyse their own situation and **develop a strategy and action plan.**

# ACTION 3

## Decrease erosion and sedimentation in the Niger basin for greater water and land security



### Country/Region

- Mali / Régions de Koulikoro, Ségou, Mopti, Gao et Tombouctou

### Partners

- Structure Focale Nationale ABN, Mali (SFN-ABN Mali)

### Cost

- 400 000 €

### CONTEXT

- **Soil erosion and siltation** have become one of the main environmental problems of the basin.
- The problem is **particularly acute in the Sahel part of the basin.**
- SFN-ABN Mali has a particular interest in addressing this problem through joint action of local and regional importance.

### DESCRIPTION

- Assessment of **critical erosion/siltation/siltation/sedimentation points** in the 5 target regions.
- Design of appropriate measures for **soil and water conservation.**
- Design of a soil erosion monitoring system contribution to the basin-wide monitoring system.
- **Restoration of at least three sensitive sites, with particular attention to the inclusion of women and young people.**

# ACTION 3

## Decrease erosion and sedimentation in the Niger basin for greater water and land security

### NEXUS ASPECTS

Ministry of Energy and Water  
Local Authorities

Ministry of Energy and Water

Local Authorities

SFN-ABN Mali

Ministry of the Environment and of Sustainable Development

### EXPECTED RESULTS

- **Critical erosion/sedimentation points** in the 5 target regions are identified.
- An erosion and sedimentation **monitoring system is operational.**
- **Soil and water conservation** measures are developed and implemented
- **Erosion at critical points is significantly reduced.**
- Increased **community ownership** and access to land and water resources.
- **The income generation opportunities** offered are used by the affected population (including women and youth).

# Merci!

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