# WAIPRO - Work Plan FY 2011 (Revised 25 Jan 2011)

## A1: Analysis of constraints and opportunities of existing schemes

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| A1.1: Participatory diagnosis of study schemes | Completed | • Diagnostic reports for the 5 WAIPRO study sites  
• Methodological contribution to analysis-diagnosis of irrigation schemes  
• Report (by ARID) on evaluation of impact of past efforts on participatory diagnosis | July 2010. |
| A1.2: Performance Benchmarking | • Four post grad Masters students (engineers from 2iE) carried out their thesis field research in 3 WAIPRO schemes (Daibere, Talemblaka and Karfiguela). Results not conclusive due to lack of systematic monitoring on these schemes  
• 12 post grad students carry out fieldwork to fill gaps & complete benchmarking in Niger  
• Training on benchmarking for technical staff  
• Inter-scheme comparison of efficiencies & performance (see also A2.1 below) | • Report on performance trends of WAIPRO irrigation schemes  
• Contribution to global database of irrigation benchmarking (http://oibsv2.iwmi.org)  
| A1.3: Analysis of productivity and profitability of crop chains | • Socio economic surveys and analysis carried out in 3 sites (Karfiguela, Daibere, Djaratawa) with INERA and INRAN  
• Comparisons between formal and informal irrigation | • Report/Paper describing interventions & recommendations for improving performance, productivity and profitability of irrigated systems  
• Advice to policy makers | July 2011. |

## A2: Implementation of Interventions

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| A2.1: Improving water conveyance and distribution systems | • Equipping irrigation schemes with flow monitoring devices; inter-scheme comparison of efficiencies & performance  
• Training of farmers & extension agents in flow monitoring, operations & maintenance | • Benefits of measurement & monitoring demonstrated to farmers & extension agents  
• Maintenance & performance assessment culture introduced  
• Assist national partners to prepare report detailing rehabilitation needs for submission to government or donors | Aug 2011. |
| A2.2: Strengthening Water Users’ Associations (WUA) | • Training WUAs in study schemes; linked with study tours for interscheme and inter country exchanges (see A 3.5) | • Detailed reports on training, including compilation of training modules | Continuing, Sept 2011. |
| A2.3: Participatory on-farm fertilizer trials | • On farm fertilizer trials on rice and vegetable in both countries in partnership with the NARS (INERA, Burkina Faso & INRAN, Niger)  
• Dissemination of good practices  
• Farmer to farmer exchange of experience through study tours | • Detailed report on best practices  
• Partnership with Dept of Agriculture for dissemination of best practices | Aug 2011. |
### A2.4: Participatory variety selection-cum-demonstration
- Participatory trials and field testing of existing rice varieties in study schemes with the NARS (INRAN and INERA)
  - Collaboration with WASA (West African Seed Alliance) for acquisition of seed material (cereal & vegetable) and Training in production of certified seed
  - Demonstrations & cross-learning through farmer to farmer exchange & Farmers' days
  - Information dissemination via involvement of the local media as well as local decision makers are invited
- Detailed report on best practices
  - Dissemination to farmers at national level with Department of Agriculture
  - Results of agronomic trials and progress in water management are shared with farmers of the study schemes during farmers field days & visit-exchanges
  - Farmer to farmer training and exchange enhanced; Potential for national-level impact

### A2.5: Enhancing decentralized services
- Training to help decentralized services in monitoring irrigation schemes
- Material support and technical capacity of regional and local administrations reinforced

### A3: Capacity building, synthesis, communication and knowledge sharing

**Activity 3.1: Enhancing linkages with support services**
- Training of support service from Ministry of Agriculture
- Capacity building of post-grad students (from 21E, CILSS-Agrhyem, Univ of Niamey, Univ of Ouagadougou, Matourkou Technical College)
- Training manuals, Reports, Theses

**Activity 3.2: Synthesis, dissemination and communication**
- Regular updating and uploading of project reports and outputs on project and ARID websites
- Updated web material, policy briefs, project reports
- Project visibility enhanced through presentations at national and regional events

**Activity 3.3: Workshops & monitoring**
- Two Project Steering committee meetings
- One workshop mid 2011 to disseminate results among stakeholders at national and regional levels
- Workshop and meeting proceedings

**Activity 3.4: Promoting adoption of Integrated Pest Management (IPM)**
- Training on Integrated Pest Management (IPM) in order to limit the use of pesticides in collaboration with NARS and Dept of Agric
- Farmers and extension agents sensitized and adopt IPM
  - Training material

**Activity 3.5: Study tours**
- Organise study tours for farmers, extension agents, agency staff & policy-makers in order to observe & exchange experiences on best practices in irrigated crop production and marketing
- Three to four study tours (e.g. Vallee du Kou, Niono in Mali, Niger valley in Niger, Northern Ghana) conducted
- Best practices learnt and disseminated

### A4: Promotion of AWM & small-scale irrigation in the Sahel

**Activity 4.1: General coordination of WAIPRO**
- Coordinate project implementation, monitoring and evaluation
- Technical & Financial reports are regularly sent to USAID
- Steering committees are held
- IWMI and other partners are supported in planning & implementation of project activities
- Participate & follow up of field missions

**Activity 4.2: Support the development of small scale irrigation in the Sahel**
| A4.2.1 Alignment of strategies in CILSS countries | • Carry out inventory & analysis of policies & investment strategies and investment in the small scale irrigation sector in CILSS member countries  
• Organize workshop to share findings with relevant officials in CILSS countries and support them in decision making | • Document on analysis of national investment strategies on water control in small scale irrigation and their coherence with regional policies (ECOWAP, PAU, West Africa water Policy)  
• Strengths, weaknesses and gaps in national policies identified and communicated | Dec 2010 to Mar 2011 |

| A4.2.2 Review PRADPiS | • Document priority programs on small scale irrigation in CILSS countries  
• Facilitation and advocacy for funding their implementation together with national partners and funding agencies | • Inventory of priority programs and investment strategies on small scale irrigation in CILSS countries | Continuing April 2011 |

| A4.2.3 Promotion of best practices | • Identify, analyze and disseminate best practices regarding water control for small-scale irrigation in the two project countries | • Guide document on best water control for small scale irrigation in the 2 study countries  
• Regional workshop to disseminate guide document to small scale irrigation stakeholders in the CILSS countries | May to Aug 2011 |