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To tackle bottleneck issues to develop rice sector development as the follow up of the 1st Forum

8 Categories of Bottleneck Issues and Working Group

After the 1st Rice Sector Development Forum held at Rotana Hotel on 17 February 2013, the bottleneck issues were classified into the following 8 categories;

- (1) Research,
- (2) Training,
- (3) Extension,
- (4) Cultivation (seed, machineries, irrigation management, weed control),
- (5) Agricultural inputs,
- (6) Post harvest,
- (7) Marketing, and
- (8) Agricultural organization

Based on the categories, the bottleneck issue working group was formed.

Bottleneck issue working group member;

Category of bottleneck issue	Name	Organization
Coordinator	Dr. Rodwan Mohammad Ahmed	Minister of Sennar State, Ministry of Agriculture
Research	Prof. Ahmed A. Elsiddig	National Rice Research Coordinator, Agricultural Research corporation, FMOAI
Seed Multiplication and Soil Analysis	Dr. Malik Nasr Malik	Arab Authority for Agricultural Investment and Development (AAAID)
Rice cultivation and Post harvest	Mr. Mohieldin Ali Mohammed	National Rice Coordinator, FMOAI
Agricultural Machinery	Mr. Ali Gadoom El Ghali	Central Trading Company
Agricultural Input	Mr. Ahmed Gaafar Ahmed	Medani Branch Manager, Central Trading Company (CTC)
Marketing	Dr. Salah Mohamed Elawad	Head of Department of Agricultural Economics, University of Khartoum
Extension & Agricultural Organization	Dr. Musa Hajo Elfaki	Associate professor, Faculty of Agricultural Science, University of Gezira

Field trip to Gezira for the Working Group members

Field trip to Gezira was conducted for the working group members to understand rice cultivation and problems through direct observation on September 9, 2013. Four members, Prof. Ahmed A. Elsiddig, Mr. Ali Gadoom El Ghali, Dr. Malik Nasr Malik and Mr. Ahmed Gaafar Ahmed, participated and visited to Umbarona trial rice field, Wad AINaim demonstration rice field and Hasahisa rice milling center in Gezira. Mr. Goto (JICA Rice Cultivation Expert), Mr. Ahmed Elamien Abass (Head of Rice Promotion Unit, Gezira State Ministry of Agriculture), Mr. Ashraf Abdalkhalig Serag (Rice field



Mr. Ahmed Elamien Abass, Mr. Goto, Dr. Malik Nasr Malik, Prof. Ahmed A. Elsiddig, Mr. Abdallah Mohamed Osman (Gezira State Agricultural Minister), Mr. Ahmed Gaafar Ahmed and Mr. Ali Gadoom El Ghali (from the left)

manager, Gezira State Ministry of Agriculture) and Mr. Nzar Omar Abdelmagid (Extensionist in charge of UmBarona field trial site, Gezira State Ministry of Agriculture) were resource persons and exchange of idea with the members. The members were very positive to learn and discuss with resource persons to understand rice cultivation and some problems to tackle bottleneck issues.



Four participants listened to explanation by Mr. Nzar Omar Abdelmagid (the second man from the right) at UmBarona Rice Trial Field Site



Staff of Gezira government public relation interview with Prof. Ahmed A. Elsiddig at UmBarona Field Trial Site



Mr. Ashraf Abdalkhalig Serag explains the rice milling machine to Mr. Ali Gadoom El Ghali

The 4th follow up meeting for the working group

The 4th follow up meeting was held a Gezira State Agricultural Minister's room in September 18, 2013.

The following points were mainly confirmed among the members and the organizers.

1) Seed Multiplication

As for import of new variety of seed, ARC should be involved. As for existing varieties of seed multiplication, private company and any organizations can try under the supervisions by ARC and JICA. Without technical advices/supports and/or training to staffs, no organizations will be able to multiply seed at the first stage. It is very necessary to determine the roles among ARC, JICA, private companies and other stakeholders in relation to seed multiplication.

2) Soil Analysis

ARC needs to cooperate and conduct to research on soil from place to place. Dr. Malik will elaborate solutions on bottleneck issues on soil analysis based on problem analysis.

Joint Hands toward Future

3) Agricultural inputs

ARC working with JICA needs to identify and authorize rice specific herbicides because no authorized herbicides suitable for rice is yet available in Sudan.

4) Machineries

Trainings to operators are very important. Modification of machineries based on the conditions is indispensable.

5) Research

The research plan by ARC will be determined after National Rice Research Coordinator will draft a research plan with the members and JICA experts.

6) Research, training and extension

Relation among 'Research', 'Training' and 'Extension' in Sudan is very weak. It is indispensable to strengthen relation among three issues in order to develop rice sector as Egypt did. The members should consider how to strengthen relation among 'Research', 'Training' and 'Extension'.

Through implementation of Individual consultation, field trip and follow up meeting for the working group, the Project is gearing up for conducting appropriate solutions against bottleneck issues to present in the 2nd rice sector development forum.



Dr. Musa Hajo Elfaki, Dr. Malik Nasr Malik, Mr. Ahmed Gaafar Ahmed, Dr. Rodwan Mohammad Ahmed (Chairman of the meeting), Mr. Osamu Nakagaki, Mr. Abdullah Mohamed Osman and Prof. Ahmed A. Elsiddig at the 4th follow up meeting.

Site visit and Presentation by Mr. Tsuboi (Mr. NERICA) & Progress of each state

The Project invited Mr. Tsuboi from JICA Uganda project "Promotion of Rice Development (PRiDe) Project". Mr. Tsuboi, known as Mr. NERICA, was selected by Newsweek Japan as one of the 100 most influential Japanese people in the world in 2009. He visited 4 states and gave a presentation on upland rice cultivation and technical advice to extensionists and farmers in the field.

Mr. Tsuboi's schedule

22/09/2013: Gezira State
23/09/2013: Sennar State
25/09/2013: River Nile State
26/09/2013: Northern State



Mr. Tsuboi (the left) at UmBarona Field Trial Site in **Gezira State**



Wad Al Naim Demonstration Site in **Gezira State**



Area 44, Rahad scheme Seed Production Site in **Gezira State**



Abu Juwali Demonstration Site in **Gezira State**



Maiurno Demonstration Site in **Sennar State**



Mr. Tsuboi (the left) at Morafaa Demonstration Site in **Sennar State**



Atbara Demonstration Site in **River Nile State**



Mr. Tsuboi (the left) at Alfadlab Demonstration Site in **River Nile State**



Shuwak Demonstration Site in **Gedaref State**



Al Fau Demonstration Site in **Gedaref State**



Mr. Tsuboi (the left) discussed with Mr. Mohieldin (National Rice Coordinator, the right) and extensionists at Dongola Island Demonstration Site in **Northern State**



Sheikh Sharif Demonstration Site in **Northern State**



Um Hani Demonstration Site in **White Nile State**



Kosti Demonstration Site in **White Nile State** (Second sowing on missing hills)

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