



## Contents

<b>Start the Activities of the Final Year of the Project</b>	<b>1</b>
<b>Ready for 4 tons per hectare in Gezira State</b>	<b>1</b>
<b>Aiming better result than last year (other 5 states)</b>	<b>1</b>
<b>Rice Cultivation Training in Egypt</b>	<b>2</b>
<b>Rice Cultivation Training in Uganda</b>	<b>2</b>
<b>12 Training Courses in Japan</b>	<b>2</b>
<b>15 Task Teams were formed for Individual and Organizational Development Activities in FMOAI</b>	<b>2</b>

## Start the Activities of the Final Year of the Project

Capacity Building Project for the Implementation of the "Executive Programme for the Agricultural Revival" (hereinafter "the Project") started its activities of 2013. The Project was launched by the Ministry of Agriculture with technical cooperation with JICA from March 2010. The Project finished its 3rd year's activities on March 2013. This year, from April 2013 to March 2014, is the final (4th) year of the Project.

There are main 2 pillars in the Project. The first one is for development of Human Resource and Organizational Capacity. The activities are mainly conducted in the Federal Ministry. More detailed of this year's activities is reported in page 2.

Another pillar is for enhancing the Promotion of Upland Rice Production. This activity was begun with Gezira State Ministry. Then it was implemented in 5 states (Gedaref, Sennar, White Nile, River Nile and Northern State) last year. In the final year, the Project continues to work with these 6 states. The detail information is in this newsletter.



The image of the spreading upland rice cultivation, from Gezira State as the center of expanding upland rice in Sudan, to others.

## Ready for 4 tons per hectare in Gezira State

Gezira State Ministry of Agriculture (SMoA) is putting great effort on upland rice cultivation activity for this season. They are conducting the activity in 9 farmer's demonstration farms (each site is 2 ~ 2.5 feddans, the same sites of 2012, excluding farmer of 1 site [Warag]). In this season, their minimum target yield is 4 t/ha. In the last season, 1 site in field trial (experiment) produced more than 8 t/ha. 3 sites marked more than 3 t/ha (whole area). The yield of 4 t/ha in the farmer's field is not difficult in Gezira State.

The most significant point on summer cultivation in 2013 is to use only pure NE-RICA 4 (harvested rice in 2012) for all activities in Gezira State. Mixed seed (rice) will be milled and is going to be provided to school, hospital, etc. for their meal. It is expected to contribute to promoting upland rice.

According to the lesson learnt, important technical points on upland cultivation the vital limiting factors such as leveling, weed control and water management are very well understood in actual cultivation. Staffs of Gezira State have strong

motivation for improving the skills and techniques on upland rice cultivation and expanding upland rice area in the farmers' fields under strong leadership of the State. Their techniques are upgraded year by year. It is sure that their effort and activity contribute to expanding upland rice cultivation in Gezira State. However farther effort and implementation are necessary to get higher yield /ha and thus show good upland cultivation. Strenuous effort and taking proper action at proper time for upland rice cultivation are the keys to success.

Regarding the trials for upland rice cultivation and seed production, the Project conducts 4 field trials such as: irrigation interval, weed control, plant spacing, sowing time. The trial site has 2.5 feddans. The area for seed production is 20 feddans for this season, aiming to get more than 3 t/ha.



Preparation of demonstration farm (Rahad scheme, Block 44, 2.5 feddans)



Preparation of Trial Site (Um Barona). Mr. Goto and Mr. Ando (the behind).



Check and discuss about Trial Site (Um Barona). Mr. Goto (the left), Mr. Ahmed (the middle) and Mr. Ando (the right)



Preparation of Seed Production Site (Rahad scheme, Block 44). Mr. Goto (the left) and Mr. Ahmed (the right)



Trial in front of the Project Office. Sowing in May (28 May, photo taken)

## Aiming better result than last year (other 5 states)

Other 5 states (Gedaref, Sennar, White Nile, River Nile and Northern) also started preparation for this season's upland rice cultivation in farmer's demonstration farm. This is the second season for most of them. The Project will support 5 states to get better result than last season. Their minimum target yield is 3 t/ha. 5 extensionists for each site is strongly recommended.



Preparation of Demonstration Site in Sennar. Discussion for next step after land leveling in Kassab (Top).  
Checking the land leveling in Maiurno (Bottom)



Preparation of Demonstration Site in Gedaref. Checking the land leveling in Al Fau (Top).  
Checking the land leveling in Shuwak (Bottom)



Preparation of Demonstration Site in Dongora, Northern. Land leveling (Top).  
Check the site and discussion for next step (Bottom)

### Planning of this season

- Sennar State**  
- 2 ~ 2.5 feddans × 5 sites
- Gedaref State**  
- 2 ~ 2.5 feddans × 2 sites at Atbara and Rahad area
- White Nile State**  
- 2 ~ 2.5 feddans × 2 or 3 sites
- River Nile State**  
- 2 ~ 2.5 feddan × 2 sites
- Northern State**  
- 1 feddan × 2 sites

# Joint Hands toward Future

## Rice Cultivation Training in Egypt

In this year, the Project, cooperation with EICA (Egyptian International Center for Agriculture), conducted 2 training such as "Agricultural Machinery", "Weed Control", from April 19 to May 3, 2013 in Egypt. The participants were selected from 6 states. There were 15 participants in Agricultural Machinery course and 20 participants in Weed Control course (Lists are right-hand side). 2 more courses ("Irrigation Management" and "Post-Harvest & Processing") will be conducted in July and August.

Egypt is the advanced country for rice cultivation. The Project hopes that the participants apply the skill and knowledge learnt to their field in the respective states.

### Agricultural Machinery

Ashraf Abdalkhalig Abdalnaseah Serag (Gezira State)  
 Hashim Alasad Abdalgader (Gezira State)  
 Yassen Elsadiq Yassen (Gezira State)  
 Hesham Abdelgani (Gezira State)  
 Husein Eltayeb Yousif (Gezira State)  
 Mohammed Elaid Nuri Salih Abdoon (Northern State)  
 Baha Eldeen Abdalla Hamed (Northern State)  
 Nimat Hashim Ali Osman (River Nile State)  
 Hagir Mohamed Ahmed Saad (River Nile State)  
 Khalid Abdallah Ahemad Alzein (Gedaref State)  
 Mohammed Abdelhameed Abdalla Tebin (Gedaref State)  
 Hitham Ibrahim Mohammed (White Nile State)  
 Elsaddig Adam Osman (White Nile State)  
 Babiker Ali Hamad Fadlalla (Sennar State)  
 Lubna Mohammed Abdalrahman (Sennar State)

### Weed Control

Mohammed Elseamani Mohammed Abdelgadir (Gezira State)  
 Nzar Omar Abd Elmagid Magbol (Gezira State)  
 Fadlemola Ali Eldow (Gezira State)  
 Osama Hajmusa Abdelrahman Hajmusa (Gezira State)  
 Ahmad Ibrahim Balla Abdalla (Gezira State)  
 Rehab Ali Tajelser Elkhalfifa (Gezira State)  
 Mohamed Mohammed Ali Mohammed (Gezira State)  
 Aisha Ahmed Yousif Haj Edrees (Gezira State)  
 Alaeldin Idris Farah Idris (Northern State)  
 Mohamed Hassan Abdeen (Northern State)  
 Amal Osman Babiker Ibrahim (River Nile State)  
 Bashir Mohamed Osman Ali (River Nile State)  
 Elhusein Elsafi Ali Abudulla (Gedaref State)  
 Abuobeida Hasabelrasoul Ahmed (Gedaref State)  
 Mustafa Ismail Mohammed Abdelrahman (Gedaref State)  
 Elbasher Elkhalfifa Elzain (White Nile State)  
 Khalid Saeed Ibrahim Mohamed (White Nile State)  
 Faisal Goma Hamid Gibreel (Sennar State)  
 Mohamed Hamoda Hamid Naway (Sennar State)  
 Hashim Eltom Ibrahim Gangary (Sennar State)



Lecture on Weed Control



Lecture on Seed drilling machine

## Rice Cultivation Training in Uganda

The Project, collaboration with JICA's "Promotion of Rice Development (PRiDe) Project" in Uganda, conducted rice cultivation trainings (Basic course: June 9 - 15, 2013, Advanced course: April 15 - 26, 2013). The Project sent 22 trainees to Basic course and 8 trainees to Advanced course.

PRiDe Project accepts trainees from other African countries. The collaboration with PRiDe Project began in 2010. Total 123 Sudanese participants were trained so far.

Name	Organization
Dr. Bashir Ahmed	Gezira State
Omer Badi Mohammed Badi	Gezira State
Tariq Osman Awad Elseid	Gezira State
Osman Galal Osman Satti	Northern State
Noureldin Awadalla Mohamed Alzain	River Nile State
Mubarak Omar Assad	Gedaref State
Mousa Abdalla Elabead	White Nile State
Elzein Mohammed Hamid	Sennar State

Advanced course participants list and photo



Trial on Water Stress by Mr. Tsuboi (Mr. NERICA)



Lecture on Seed drilling machine by Mr. Tokita (Chief advisor, PRiDe)

Practice on crop cut (sample harvest)



Practice on measuring and counting

Name	Organization
Hussein Mohamed	Gezira State
Alsiddig Mohammed Altayeb Osman	Gezira State
Kholud Elimam	Gezira State
Mohamed Abdalla Eltayeb Elobid	Gezira State
Talal Gepreel	Sennar State
Mohamed Elamin Babiker Omer Mohamed	Sennar State
Altoum Yagoub Mohammed Eisa	Sennar State
Nehad Faduleseed Eshag Faduleseed	Sennar State
Elhusein Elsafi Ali Abudulla	Gedaref State
Mustafa Ismail Mohammed Abdelrahman	Gedaref State
Khalid Abdallah Ahemad Alzein	Gedaref State
Mohammed Abdelhameed Abdalla Tebin	Gedaref State
Hayat Musa Farah Gobara	White Nile State
Dafaalla Elzakir Elmekki Eltahir	White Nile State
Malik Ezelden Ibrahim Elkhali	River Nile State
Bashir Mohamed Osman Ali	River Nile State
Amal Osman Babiker Ibrahim	River Nile State
Hagir Mohamed Ahmed Saad	River Nile State
Mohammed Elaid Nuri Salih Abdoon	Northern State
Baha Eldeen Abdalla Hamed Haj	Northern State
Mandor Tufieg Mohamed Elkhgir	Northern State
Waleed Osman Hussien Saleem	Northern State

Basic course participants list and photo

## 12 Training Courses in Japan

Trainings in Japan are also conducted. In 2013, 12 trainings on specified topic are allocated to the Project. Participants are nominated among the staffs who are working in the Project activities. More details are in the list below.

Course Title	Period	Name	Organization
Soil Diagnosis Technology for Sustainable Agricultural Production and Environmental Conservation	6 May - 26 July	Fathelrahman Ahmed	Gezira SMOA
Agricultural Infrastructure Improvement in Upland Crop Farming Areas for Rural Development	13 May - 2 August	Abobida Ahmed Gafer Elmahi	Gezira SMOA
Integrated Pest Management for Plant Protection	3 June - 31 August	Abdelghadir Bakri	Gezira SMOA
Agricultural Extension Planning and Management	15 July - 14 September	Sawsan Ali Abd Elmageed	TTE, FMOAI
Post-harvest Rice Processing for English Speaking African Countries	21 August - 21 September	-	-
Planning of Agricultural Policy	22 August - 21 September	-	-
Planning and Designing of Agricultural Statistics for Food Security Policy Making	25 August - 19 October	-	-
Integrated Agriculture & Rural Development through the Participation of Local Farmers(C)	19 August - 28 September	-	-
Appropriate Management of Land and Water Resources for Sustainable Agriculture in Arid/Semi-arid Regions	12 August - 20 November (in Japan) 21 November - 25 December (in Egypt)	-	-
Rice Cultivation Techniques Development	16 February 2014 - 15 November 2014	-	-
ICT (Information and Communication Technology) for Agricultural Information Use	17 February 2014 - 24 May 2014	-	-
Upland Rice Cultivation and Variety Selection Techniques for Africa	16 March 2014 - 1 November 2014	-	-

## 15 Task Teams were formed for Individual and Organizational Development Activities in FMOAI

"Utilization to Internalization", is the slogan of the 4th (final) year of the project activities for Human Resource and Organizational Development. In order to internalize the project activities into the MoAI, the Project will propose the model system.

In the 4th year, the Project integrates Individual Training and Task Team Activity into new 15 Task Teams activity. The Project conducted individual trainings and task team activities separately until the 3rd year.

Through the workshop conducted by the Project in February 2013, 15 Task Teams were formed and they formulated their own Action Plan (the list right-hand side). Each team started their Action Plan from March 2013. The Project provides technical support and OJT (On the Job Training) through the implementation of Action Plan.



Presentation (PAE)



Workshop (TTE)



Weekly meeting (HSA)



Capacity Building Advisory Committee (Project & DGs)



Workshop (ICI)

Directorate	Title of Action Plans
PAE	Formulate Policies to Achieve Security in Food Deficit Area Implementation of Strategic Management Concept in the PAE Promotion of Improving Agricultural Commodities Policy
TTE	Activation of the TTE TV Studio to Broadcast Agricultural TV Channel Reactivation of Extension Services Installation of Machinery Testing Enhancing Micro Finance Policy to Raise the Awareness of Small Farmers in Khartoum State
HSA	Quality Control of Mango Harvest Extraction and Analysis of Lemon Grass Oil and in the Local and International Marketing Promotion Development Work in Department Human Resources Control preserving the Germplasm of Seed Plants at Botanical Garden
ICI + MoAI	Establishment of MoAI site due to Increasing Investment To organize International Quality Standards of Agricultural Products for Export Develop Bilateral Cooperation Mechanism between Sudan and Turkey in the Agriculture Field Activating Monitoring and Evaluation Process in the ICI

- PAE: Planning and Agricultural Economics Directorate
- HSA: Horticulture Sector Administration
- TTE: Technology Transfer and Extension Administration
- ICI: International Cooperation and Investment Directorate
- TU: Training Unit

### Project office:

Federal Ministry of Agriculture & Irrigation  
 Jama'a street, Khartoum, Republic of Sudan

Phone: +249-902062117  
 +249-903983721

E-mail: nakagakiosamu@gmail.com  
 takeshi\_matsuda@cdc-kobe.com

<http://www.jica.go.jp/sudan/English.index.html>