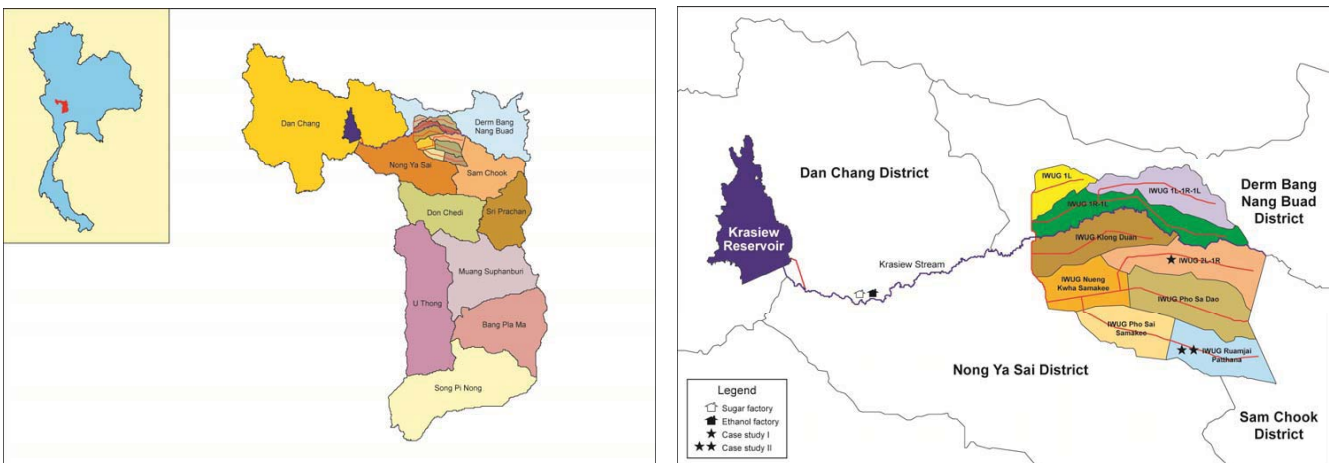


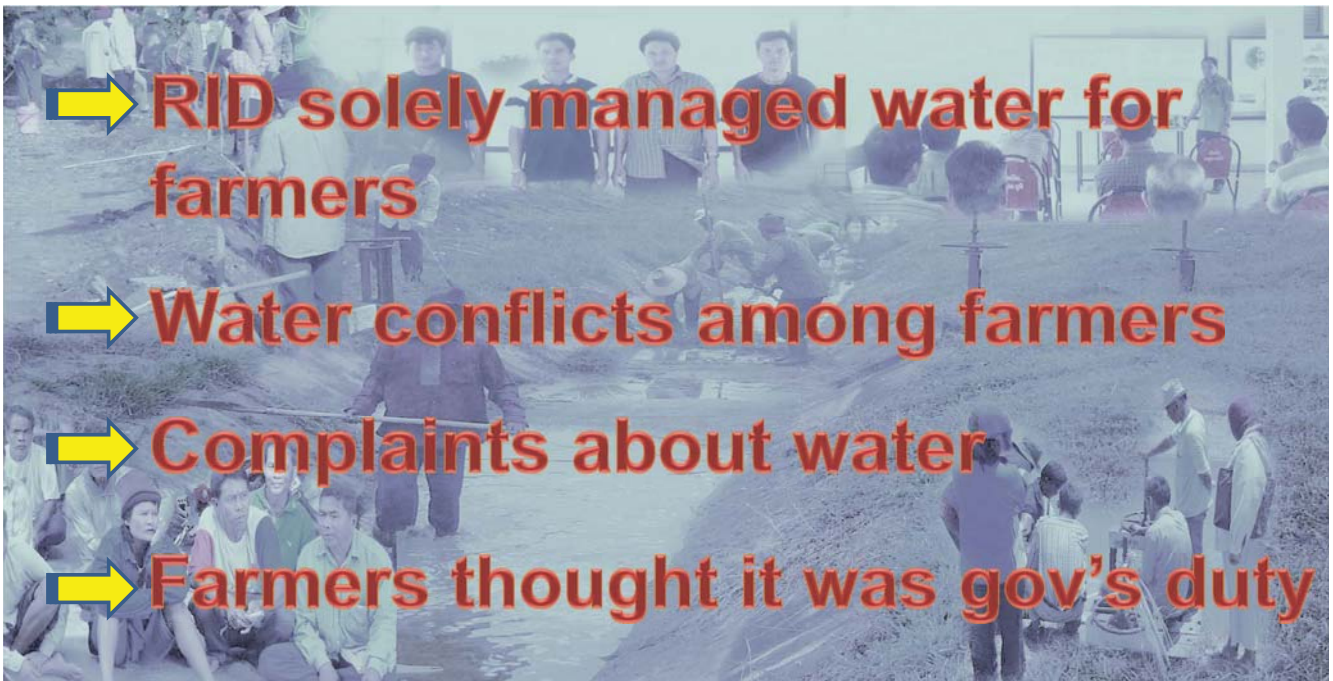


Location of Krasiew O&M Office



- Krasiew Reservoir: storage capacity 240M m³, usage water 200M m³
- Irrigation areas: 177 km², 3 districts, 11 sub-districts, 50 villages
- Main crops: rice 60%, sugar cane 39%, and orchard 1%
- Water demand: agriculture 160M m³, industry 3M m³, domestic use 1M m³
- Established Org.: 1 JMC, 9 IWUGs, 278 WUGs, and 6,740 members

Past problems



- RID solely managed water for farmers
- Water conflicts among farmers
- Complaints about water
- Farmers thought it was gov's duty



Krasiew Operation and Maintenance Office, RIO 12

PIM background

From economic downturn in 1997, MOAC applied the policy on **restructuring agricultural sector** and requested for a **soft loan** from the ADB and JBIC.



Krasiew Operation and Maintenance Office, RIO 12

PIM background

During the year 2000 – 2003, the RID specified a **plan for production efficiency increase** in irrigation areas. There were 5 large-scale pilot projects and **Krasiew** was one out of five projects.



Krasiew Operation and Maintenance Office, RIO 12

PIM background

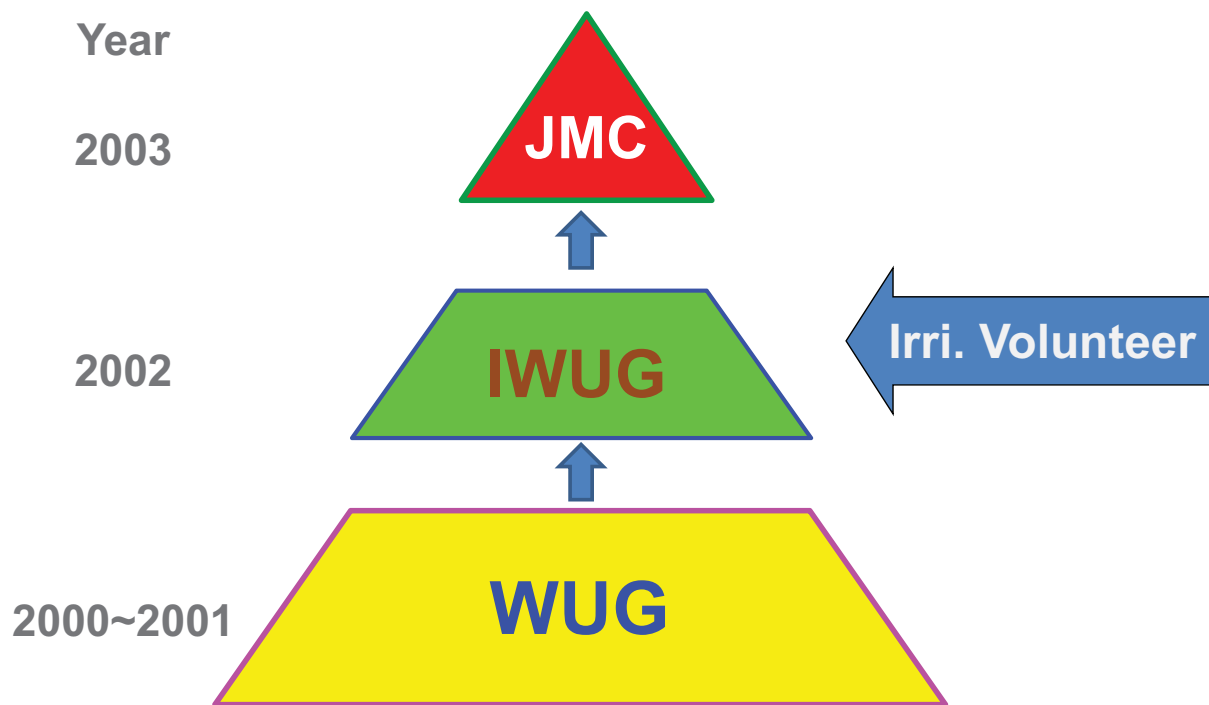
Krasiew got budget ~USD 8M for:

1. Modernization of irrigation system
2. **Efficiency increase** on irrigation management
3. **PIM** (Participatory Irrigation Management)



Krasiew Operation and Maintenance Office, RIO 12

PIM development



Krasiew Operation and Maintenance Office, RIO 12

PIM development

- 2000 ~ 2001:
WUG rehabilitation (278 WUGs)
- 2002:
IWUG establishment (9 IWUGs)
- 2003:
JMC establishment (1 JMC)



Krasiew Operation and Maintenance Office, RIO 12

PIM pattern

Joint-management scheme

At project level

JMC



At canal level

IWUG



At ditch level

WUG

WUG



Krasiew Operation and Maintenance Office, RIO 12

JMC structure

IWUG
(30 persons)

LAO
(11 persons)

JMC
(53 persons)

**Krasiew
O&M Office**
(5 persons)

**Relevant
agencies**
(7 persons)



Krasiew Operation and Maintenance Office, RIO 12

Roles & Responsibilities

JMC



1. Specify water allocation plan & delivery schedule

2. Identify a maintenance plan

3. Operate relevant agricultural activities



Krasiew Operation and Maintenance Office, RIO 12

Roles & Responsibilities

Krasiew O&M Office



- 1. Draft an allocation plan & present in the meeting**
- 2. Revise the allocation plan based on the JMC meeting's resolutions**
- 3. Update water situation & inform farmers**
- 4. Operate according to the JMC meeting's resolutions**
- 5. Summarize the JMC meeting & report to farmers**



Krasiew Operation and Maintenance Office, RIO 12

Roles & Responsibilities

Krasiew O&M Office



6. Coordinate with IWUG, e.g. water requirement, cropping requirement
7. Conduct a survey, e.g. yield, selling price, service satisfaction
8. Make a visit to inquire needs and concerns
9. Coordinate with relevant agencies regarding irrigation management



Krasiew Operation and Maintenance Office, RIO 12

Roles & Responsibilities

IWUG



1. Deliver concerns from IWUGs, e.g. water requirement, cropping requirement, water delivery schedule
2. Maintain ditches before water delivery
3. Report the JMC meeting's resolutions to IWUG



Krasiew Operation and Maintenance Office, RIO 12

Roles & responsibilities

IWUG



4. Jointly making a decision on irrigation mgt.



Krasiew Operation and Maintenance Office, RIO 12

Roles & Responsibilities

LAO



1. Help allocate budget for maintaining ditches
2. Target agency to be transferred the ownership of ditches and road along the canals



Krasiew Operation and Maintenance Office, RIO 12

Roles & Responsibilities

Relevant agencies



1. **Coordinate & support any activities related to irrigation water**
2. **Provide relevant water information**



Krasiew Operation and Maintenance Office, RIO 12

Roles & Responsibilities

Irrigation volunteer



1. **Coordinate between RID & WUO on irrigation mgt.**
2. **Evaluate the performance of water delivery & maintenance**



Krasiew Operation and Maintenance Office, RIO 12

How to engage farmers

Joint irrigation management

Mutual decision-making & strictly follow the JMC meeting's resolutions

Integrated work promotion

Include all stakeholders to allocate water in a sufficient and timely manner



Krasiew Operation and Maintenance Office, RIO 12

How to engage farmers

Role & responsibility clarification

Make clear of roles & responsibilities for each sector

Raising awareness

Provide comprehensive water info, e.g. water supply, water demand



Krasiew Operation and Maintenance Office, RIO 12

How to engage farmers

IWUG contribution

Supervise WUGs to follow the JMC meeting's resolutions

Building confidence among farmers

Apply fair & timely water allocation

Public relations

Update water info & meeting resolution regularly



Krasiew Operation and Maintenance Office, RIO 12

Awards from the Krasiew O&M Office

- The 2nd Place Winner, the 2011 United Nations Public Service Awards by UN, “Participatory Irrigation Management by Civil Society Committee and WUG: The Krasiew O&M Office”
- Category 3: Fostering participation in policy-making decisions through innovative mechanisms
- The Excellence Award, the 2010 Thailand Quality Public Service Awards by OPDC
- Category: Innovative public service



Thank you