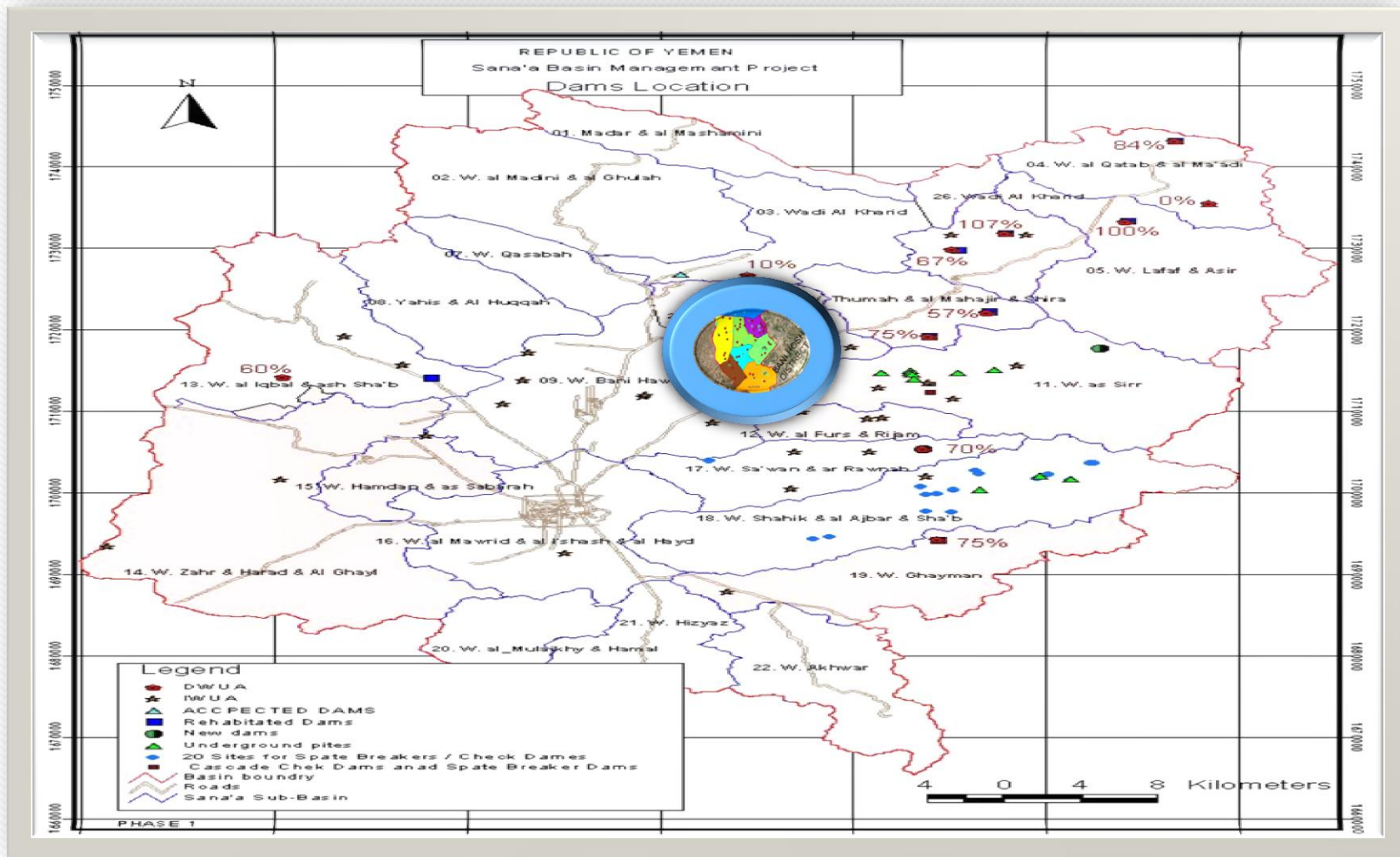


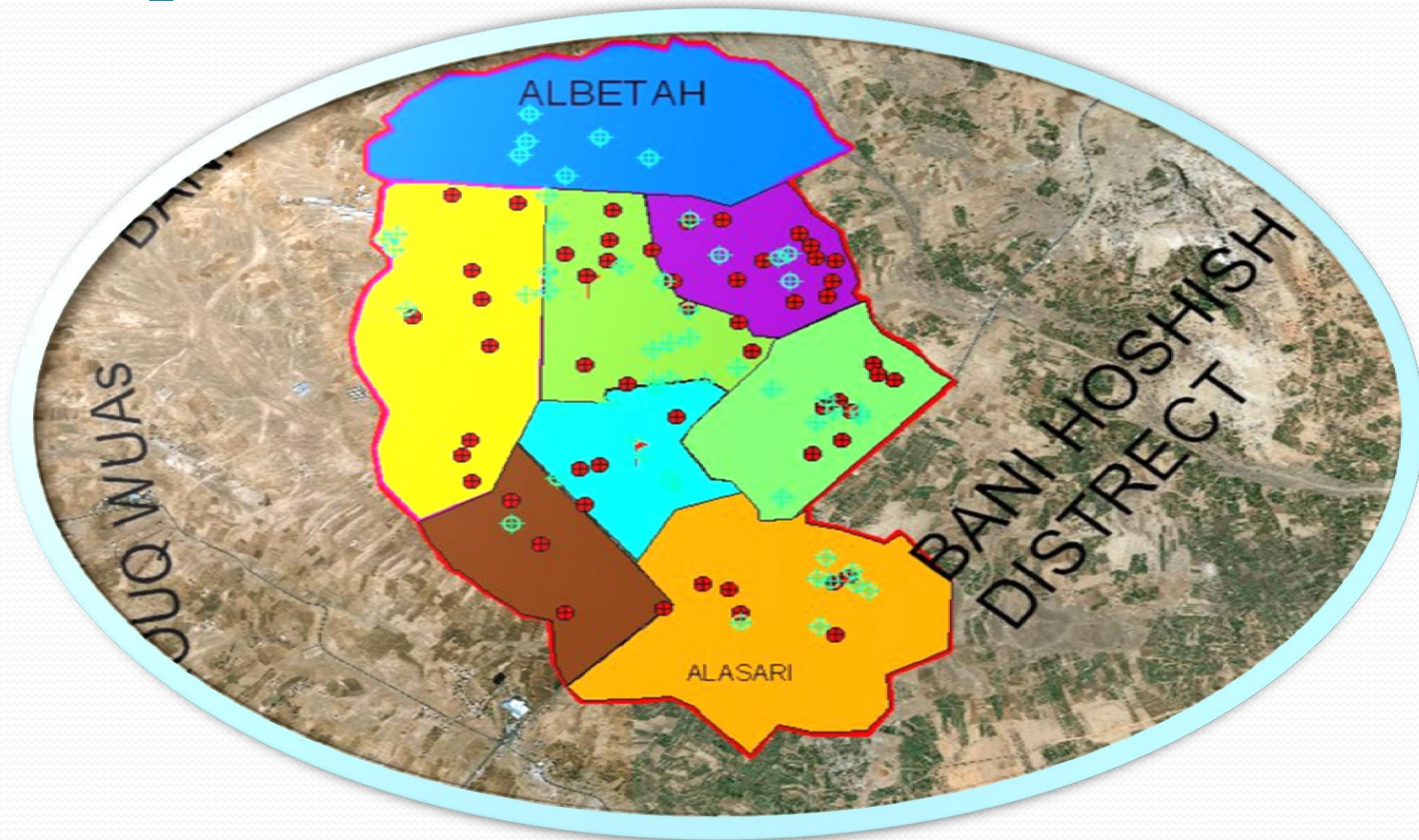
**Al-Mahjel Water User
Association (WUA)
as an example for WUAs in
Sana'a Basin**



Geographical characteristics of WUA region

- Location: Bani Al-Hareth district; 15 km far from Sana'a;
- Population: aprox. 3000 persons;
- Economy: 90% of them depend on agriculture;
- The area of WUA: 1496 ha
- The irrigated area: around 900 ha

Map of WUA and wells mentioned

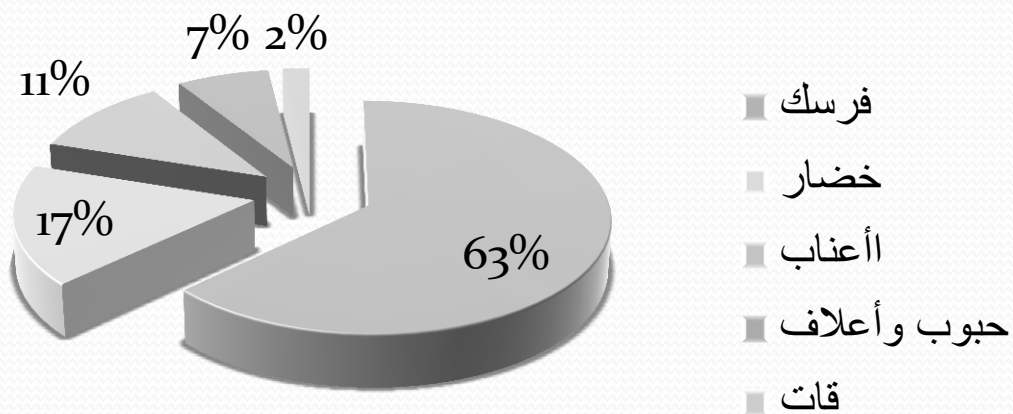


background about the WUA

- Establishment : March 2006
- Number of WUGs: 60
- WUA members: 420 farmers
- No. of Wells in the area : 97; of them:
 - 55 working
 - 42 (dried)



Production structure (for 924 ha)



Main Objectives of WUA (first phase):

- Awareness raising among farmers and citizens in general;
- Upraise Water efficiency by introducing MIS;
- Upraise the capacities of the members;
- Coordinate /participate with other relevant parties in water management;
- Monitor the random drilling and advise the concerned parties;
- Publicity and dissemination crops with little need for water and high yielding;
- Adopt modern agriculture;
- Not expanding irrigated areas depended on underground water .

Activities implemented by WUA in water awareness raising



- Organized 4 gatherings for local community members (farmers, social personalities; WUAs; LC; concerned from Gov. parties);
- Conduct festivals in schools;
- Use the mosque preachers to disseminate water awareness.



continue



- Accommodate 5 training sessions in modern irrigation and extension in coordination with other parties;
- Accommodate 6 field days training;
- Organize 3 awareness meetings for women committee belonging to the WUA



Continue

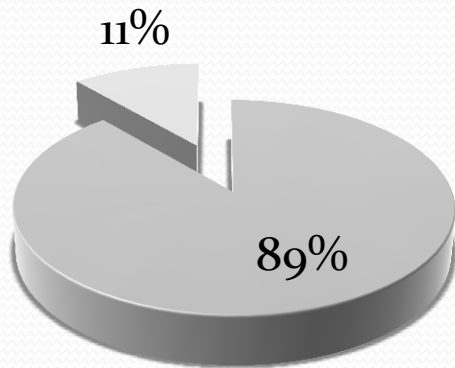


- Participate in world water day ;
- Participate in general broad meetings with other WUAs and LC the project called for

Comparison of installation between Companies and WUA

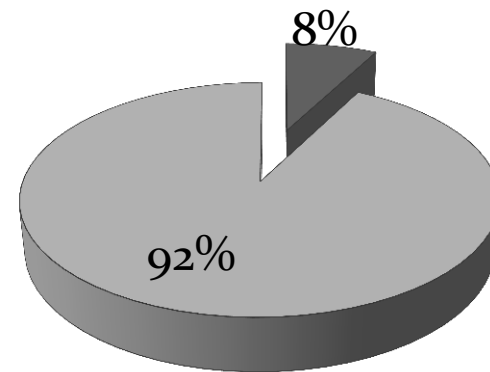
Modern irrigation

■ عبر الشركات ■ عبر الجمعية ■



conveyance

■ عبر الشركات ■ عبر الجمعية ■



Benefits of installation through WUA

- Motivate farmers to apply for MIS;
- Upraise the capacities of WUA members technically, financially;
- Ensure quality and sustainability of projects ;
- Accelerate installation process;
- Reduce the financial burden of farmers exempting them of cash contribution and convert it to in kind contribution;
- Labor opportunities for local people and improve their livelihood;
- Provision of income source for WUA, herein, contribute to its sustainability.

Achievements of WUA in changing conventional agricultural practices in the area



- Introduce 2 green houses ;

Financial status of WUA at the end of 2009

- monthly fees (406800 Yr);
- membership fees (112000 yr);
- Tendering fees (330000 yr);
- earnings from projects implementation (765600 Yr);
- Earnings from selling the seedlings (200000 yr.);
- total financial status of WUA (1614400 Yr)

Challenges faced by the WUA

- random drilling and downgrading of water levels;
- Introducing MIS and continue subsidizing them;
- ensure good markets for agriculture productions.

WUA Visions to cope with the challenges

- Mobilize communities to start conventional role to stop random drilling;
- Search for funding to continue installation MIS and cover the rest irrigated areas;
- Search for funding to fix the existing pits in the area for rain- water harvesting(capacity for 800,000m³);
- Coordinating through Water User federation in marketing the farmers products of Water user Members
- Training and capacity building of Water user Members