

Ministry of Agriculture and Rural Affairs

General Directorate of Agrarian Reform

Land Consolidation Project s in Turkey

Gürsel KÜSEK (PhD) 2010





Population: 72 million

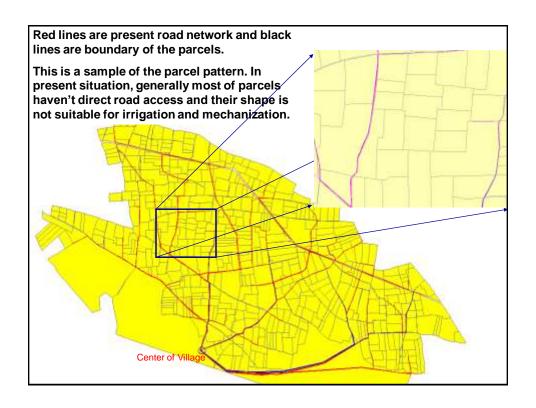
Area;

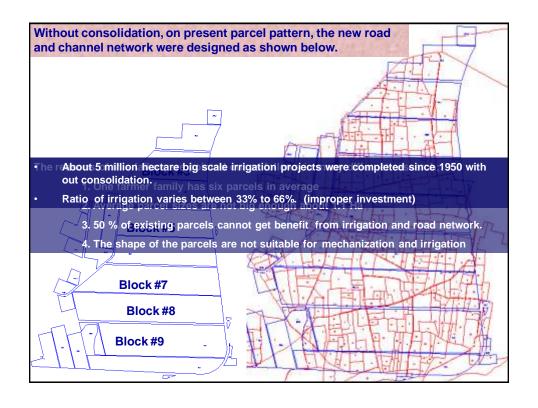
Total : 780,580 sq km Water : 9,820 sq km (%1.2) Agricult. : 265,000 sq km (%34) Pasture : 125,000 sq km (%16) Woodland: 200,000 sq km (%26)

Elevation extremes: Mediterranean Sea 0 m Mount Ararat 5,166 m

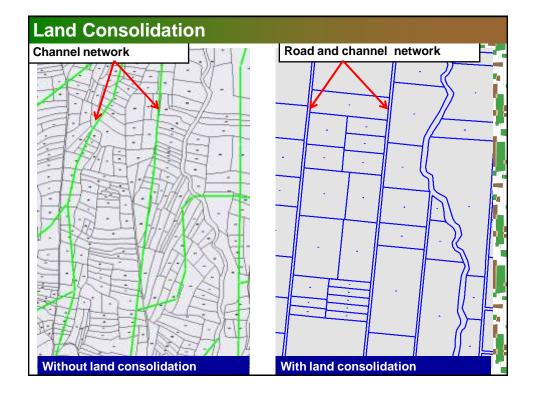
Climate:

hot, dry summers with mild, wet winters in coastal areas, continental in interior parts



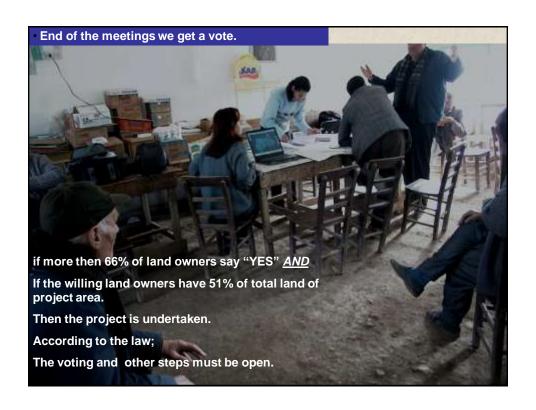


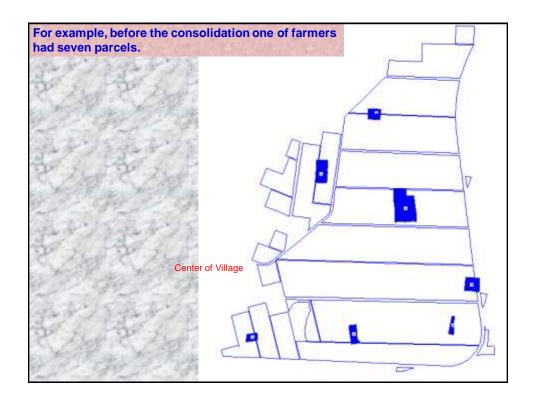


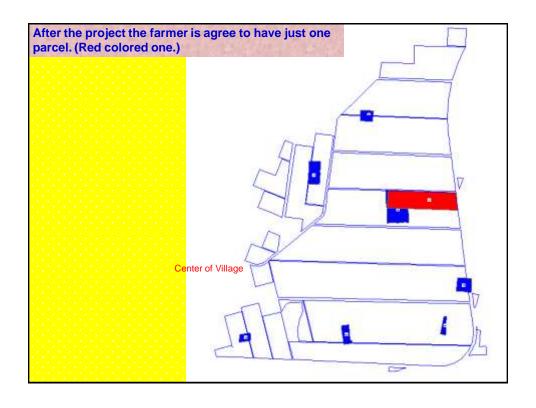


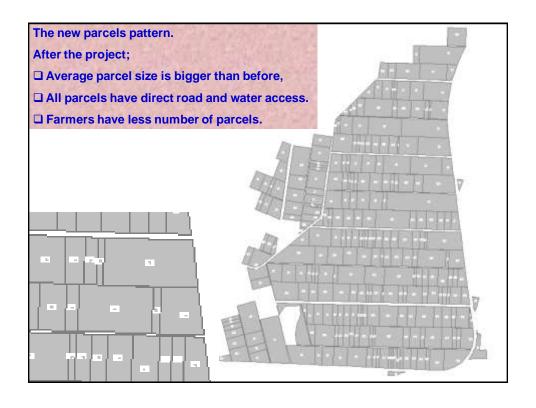












Number of village	Project area (ha)	Number of farmers	Populati on	Number of parcels before the project	Average size of the parcels before the project (Ha)	Number of parcels after the project	Average size of the parcels after the project (Ha)	Consolidatio n Rate
3	6,051	543	3309	3125	1.94	1188	5.10	62
0000 15500 1	er of parcel the projec					e of the parcel	s Average size	of the parcel

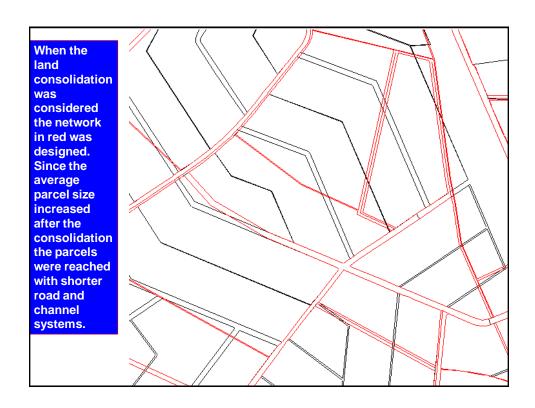


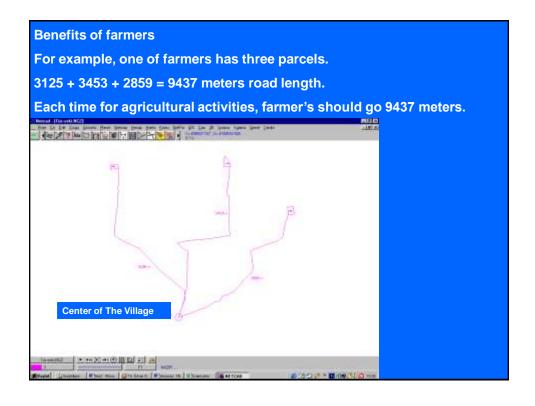


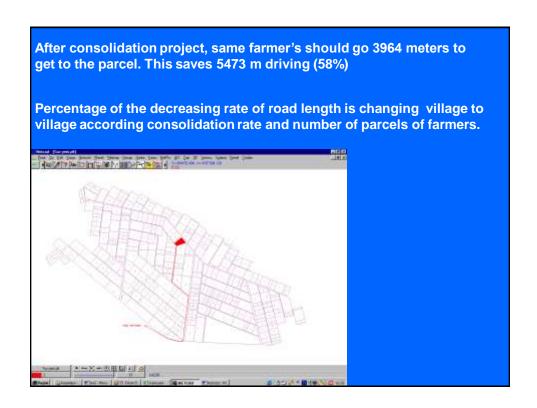


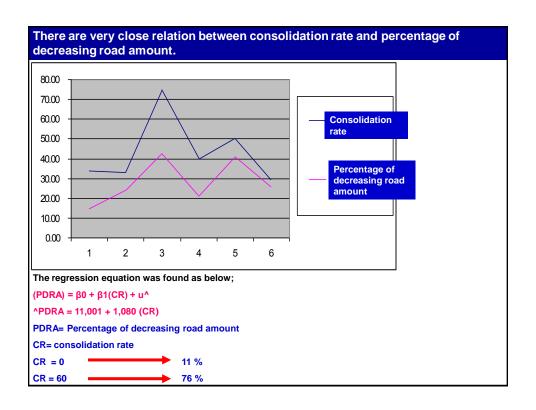
How can we calculate the benefit of the land consolidation?

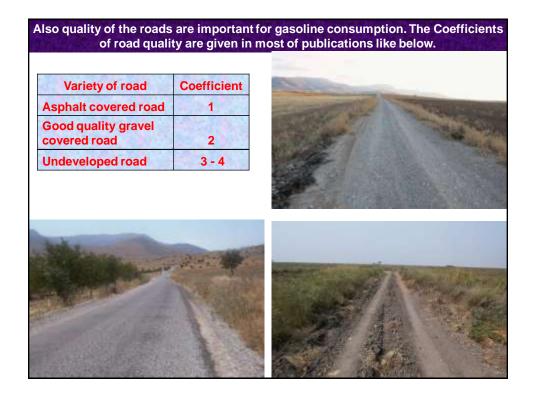
- The cost of Government investment is being reduced.
- For Farmers;
 - Length of the road between parcels and farm is shortened and quality of the roads are increased thus transportation cost is reduced.
 - The new parcel's shapes are designed rectangular shape which is suitable for agricultural mechanization. This increases the efficiency and the farmers income.

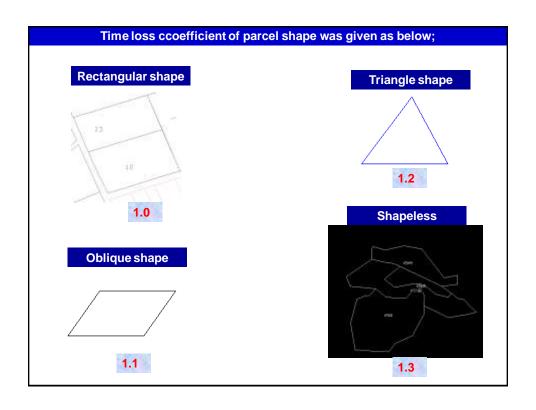




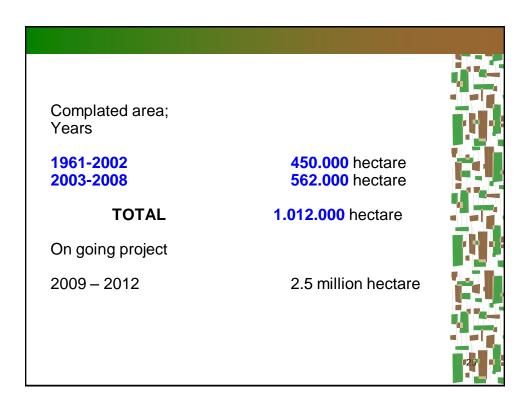


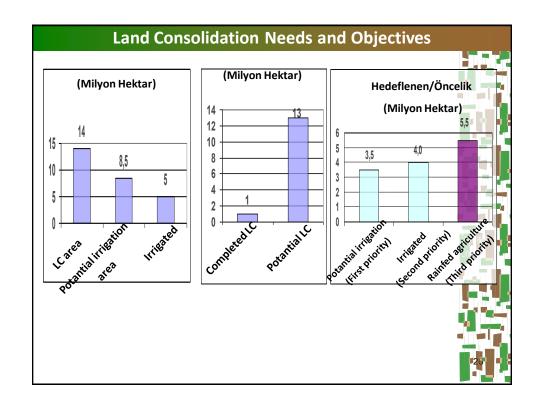






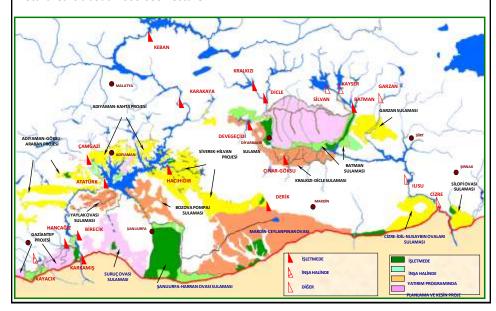
Items	Benefit (US\$ / Per hectare)
Irrigation investment cost (%40)	2500
Legal expropriation (%5)	500
Total	3000
Transport cost (Farm – Parcel) (25 Lt/Ha/Year)	33
Transport cost (quality of road) (15 Lt/Ha/Year)	20
Efficiency of mechanizations in parcels. (shape of parcels) (10 Lt/Ha/Year)	13
Total (50 Lt/Ha/Year)	66





GAP; - 2 Basins (Euphrates and Tigris)

- -9 Provinces (Diyarbakır, Batman, Siirt, Şırnak, Şanlıurfa, Mardin, Gaziantep, Kilis, Adıyaman)
- -Total area is about 2.060.000 hectare



International cooperation

Government to Government projects;

Dutch side:Government Service for Land and Water Management of the Netherlands and Cadastre, Land Registry and Mapping Agency of the Netherlands

Turkish side: General Directorate Agrarian Reform, State Hydraulic Department, General Directorate of Cadastre

- 1. First one was at 2008-2009
- 2. The second one is at 2010 2011

"Strengthening of institutional capacity to implement a large multi-level land consolidation program in Turkey"

1. TAIEX Project about ecological corridors at 2009

