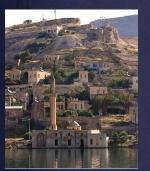
ATATÜRK DAM RESETTLEMENT PROCESS: INCREASED DISPARITY RESULTING FROM FINANCIAL COMPENSATION





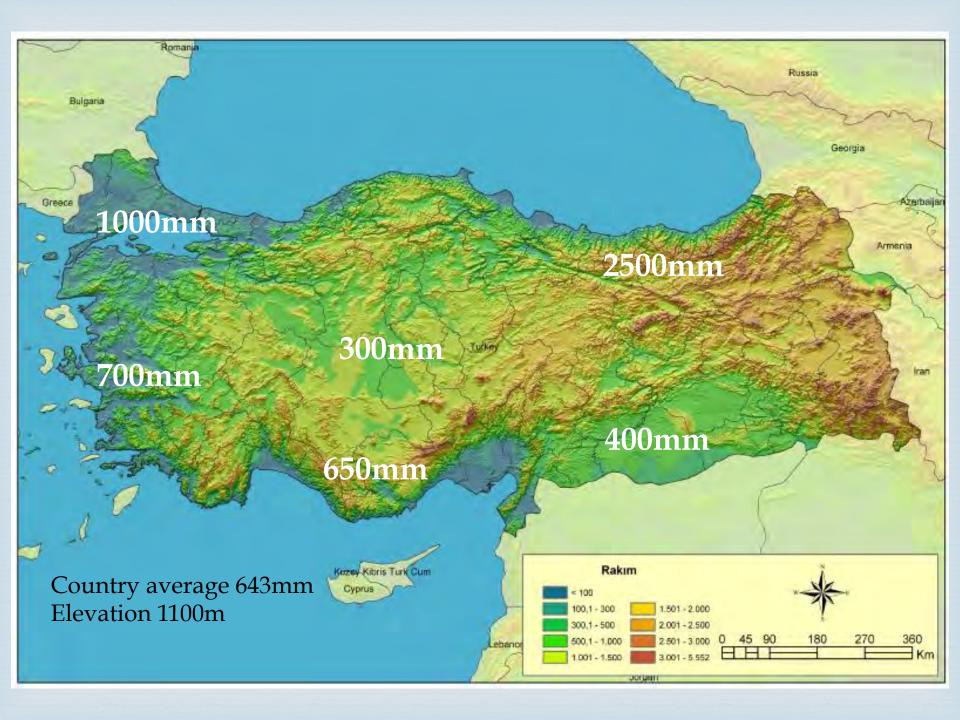




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LOCATIONS





STATE OF WATER



- Available 98Bm³
- [™] Groundwater 14Bm³
- Rotential 112Bm³
- ≈ 26 M ha land is suitable for agriculture (1/3 of the country) so irrigation is crucial for national economy



DSI STATE HYDRAULIC WORKS



- The responsible instition of dam construction and services is DSI.
- At present 1076 dam/ pond are operated by DSI

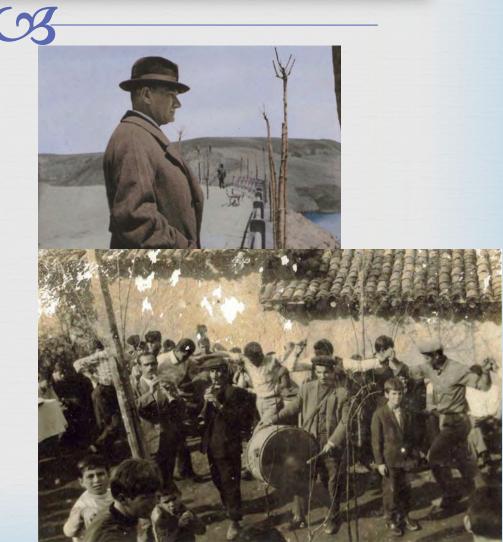




HISTORY

○ Dates back to 1930s

Relatively small scale dams and resettlement was not a big social problem.



HISTORY



- However with late 1960s large dams construction were initiated.
- Since 1958....
- 200.000 ha governmental land is submerged or publicized
- App. 360.000 people is affected by dam constructions



STUDY SITE

- Southeastern region of Turkey
- Calcal ControlCalcal Contro



ATATÜRK DAM

CB

- Started in 1983
- Completed in 1992
- The dam embankment is 169 m high and 1,820 m long.
- The reservoir Lake
 Atatürk Dam, extending over an area of 817 km²
 (315 sq mi) with a water volume of 48.7 km³



ATATÜRK DAM

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The hydroelectric power plant (HEPP) has a total installed power capacity of 2,400 MW and generates 8,900 GW h electricity annually.

The total cost of the dam project was about US\$1.25 billion (today app. 2,7 billion)



RESETTLERS

- **≈** 55.300 people
- ∝1 town
- ≈ 11 villages fully inundated
- 3 towns and 79 villages partly inundated



MATERIALS

- Undertaken from November 2011 to February 2012
- Group 1. Well-off families (33 families)
- Group 2. Low income (1000 USD/month) (66 families)



METHODS



- Around 50 questions were asked
- Demography
- **R** Income
- Assets
- **Education**
- **○** Family



RESETTLED FAMILY IN NEW SAMSAT



RESETTLERS



- ca 55 family indicated that resettlement info was given prior to moving
- However only 18 family negotiated for the plan



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Out of 99 families only 7 families were agreed to resettlement plan



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received relatively high compensation than Group 2 ie Group 1 has an average land size of 26 ha whereas Group 2 has 1.4 ha before dam construction.



LAND PRICES

Land type	Price (USD) (expected)	Actual market price	Realised
Cereal	13.000	10.000	8.000
Pistachio nut	25.000	13.000	10.000
House with garden (Mudbrick)	40.000 (250m2)	30.000 (250m2)	20.000 (250m2)

So, 40 to 60% less was paid to farmers which resulted sharp decreases in income of the resettlers

IRRIGATION vs INCOME

- Retter irrigation networks are available
- Double or triple crop is possible following irrigation
- The income for per hectare is 2347 and for per capita is 2547 after 5 years of irrigation in 2000



OCCUPATION

CB

- Group 1 continued farming activities
- And the self sufficiency for food sharply decreased following settlement
- Especially Group 2 families expressed their missing old farmland before resettlement



OCCUPATION

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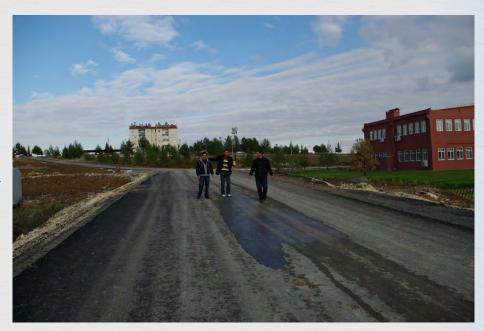
Due to less field activity and change in diet ie less vegetables is consumed more carbohydrate is consumed (low price high energy bearing bread, potatoes and oil)



INFRASTRUCTURE

CB

- **Education**
- Realth services
- Household goods in general are better
- ie quality of life is positively effected following dam cosntruction however this is a common issue within the country



- Resettled families mainly complain about loss of their social status in society Even Group 1 farmers feel in a same way, they said they feel like refugees
- Compensation money was spent for nonproductive investments such as house, car etc



CB

- Resettlement is not commonly accepted
- Compensation money is not reflected real market prices
- Small land owners suffered from less compensation money and high land prices in new resettled areas
- Most small farmers became laborours so they believe this is a decresae in their status in society...



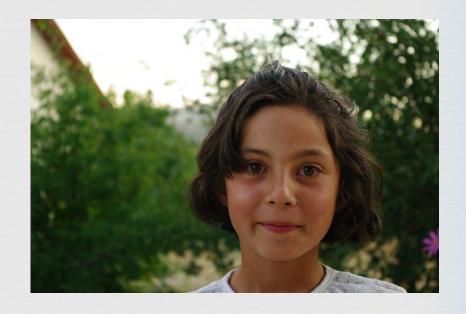
CB

- Families demand
 governmental position for
 their children ie farming
 seems less profitable due
 to small land size (<5ha)
- Government should prepare plans particularly for land to land plan for sustaining small farmers to secure their life quality and traditions..



CB

Training on farming ie new technologies and new crops along with job opportunities created via industrial development are key for the future generation



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In general resettlers are low income people and they think dam construction is an opportunity to increase their income so they ask more than actual prices...



- Their demand for setting up life is quite hard due to several expenses such as building house, setting up new farm, education, moving etc.
- So, compensation should not only contain estate price also these expenses which is not easy to calculate..... also



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 ○ Dam construction also effect cultural heritages, landscape and neighborhood relations which will never be substituted by any means which makes quite hard to satisfy resettlers emotional ties to their environment

