



The Nexus Approach Applications in Turkey

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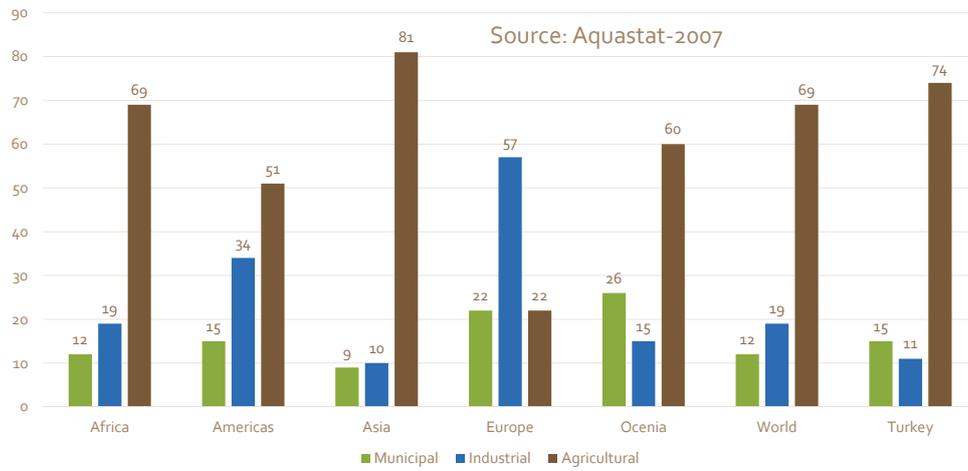
1. Sectoral Water uses in the World and in Turkey
2. Regional Development Projects (RDPs) in Turkey : Water-Food-Energy- Ecosystems Nexus



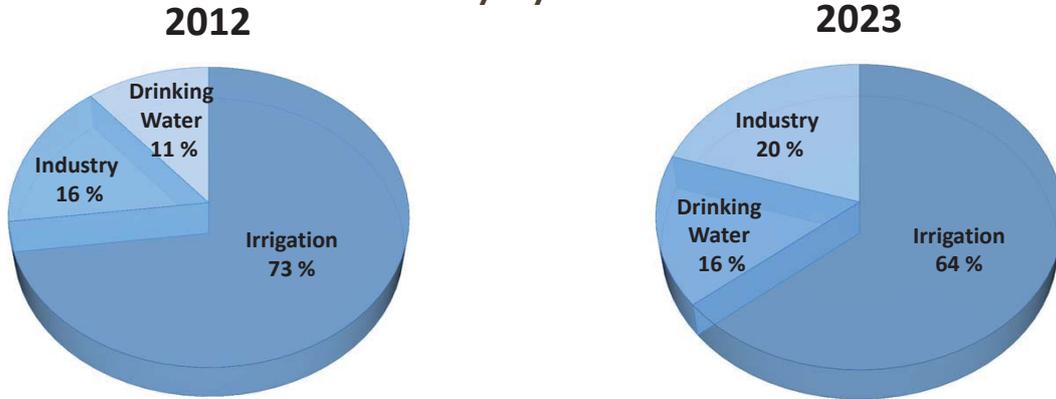
Sectoral water uses in the world and in Turkey



Water Withdrawals by Sector (%)

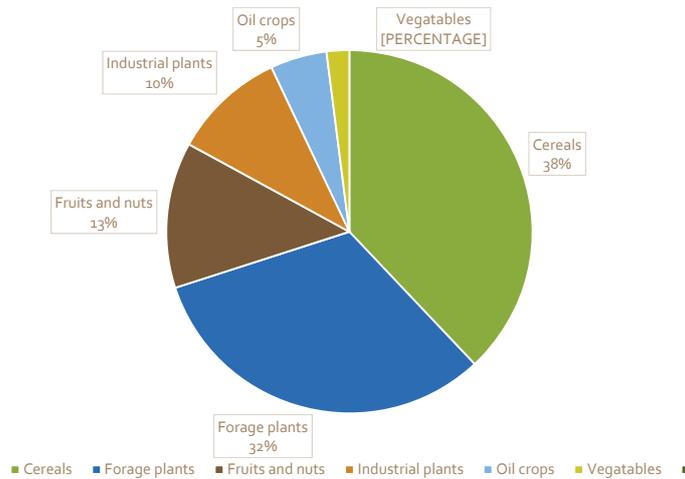


Current and Future Water Use in Turkey by Sectors



2012
 Irrigation: **32 billion m³**
 Drinking Water: **7 billion m³**
 Industry: **5 billion m³**

Water footprints of agricultural products in Turkey (Source: WWF)



Share of Hydropower in Electricity Production (Source: World Bank)



Current and Future Water Stress Level in Turkey

UNEP's Global Water Stress and Scarcity Index (2007):

Turkey is listed as **vulnerable country**. The next steps are being water stressed and water scarce

UNESCO's Relative Water Stress Index:

Water stress will be felt **at different levels at different regions** of Turkey.

Growing Blue Tool 's Water Stress Index:

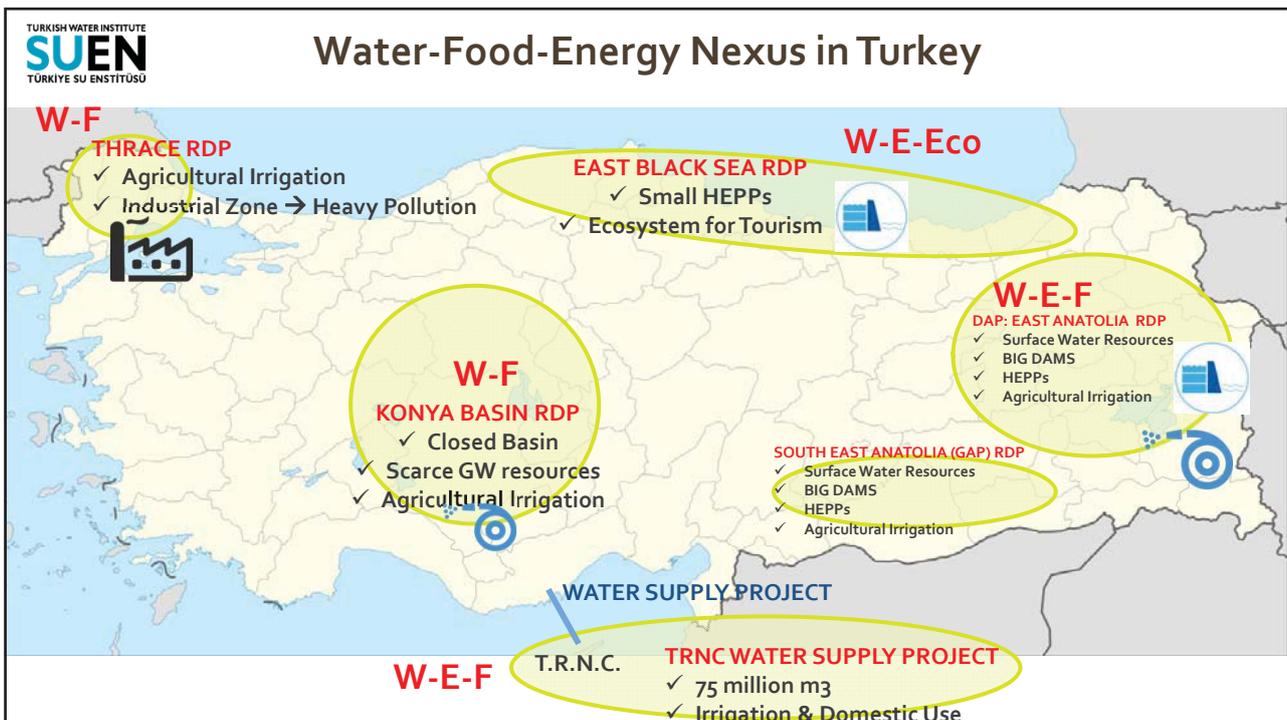
Turkey has a high **0.779 point** (1.000 = Highest Water Stress)

World Resources Institute:

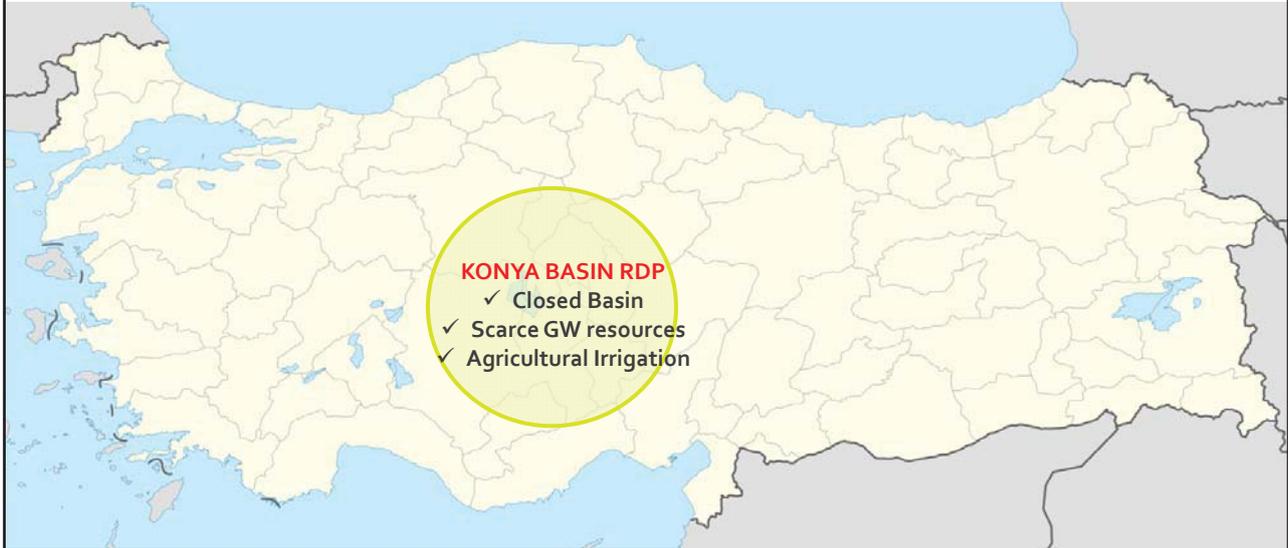
By 2040 Turkey will be the **27th most water stressed country** in the World

Regional Development Projects (RDPs)

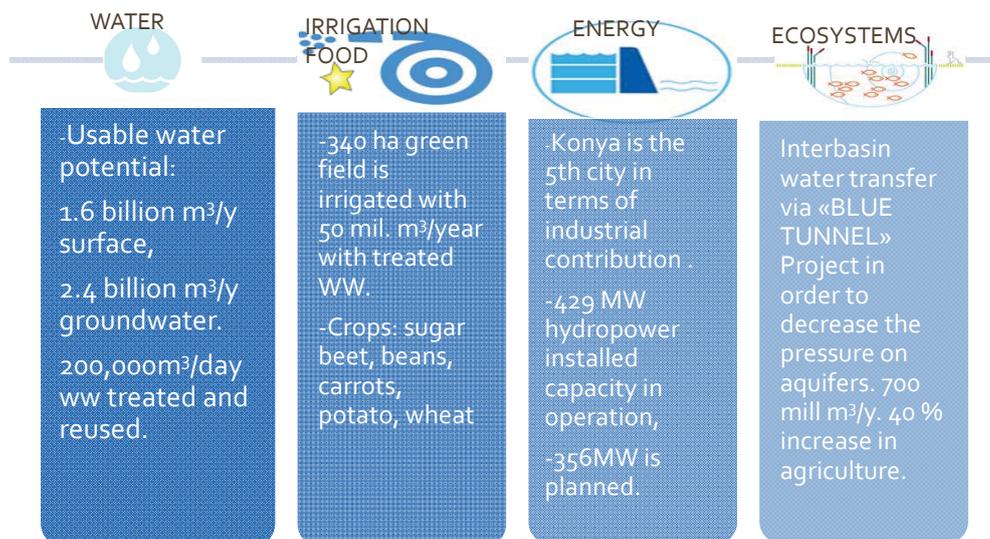
- RDPs in Turkey are developed to decrease regional socio-economic inequalities by utilizing available natural and financial sources.
- By adapting the nexus approach each RDP focuses on relative strengths of its region.
- RDPs started with Eastern Anatolia Project in 1989.
- Each RDP covers 5 to 10 neighboring cities.
- Each has 5 years action plans.



KOP: KONYA BASIN REGIONAL DEVELOPMENT PROJECT



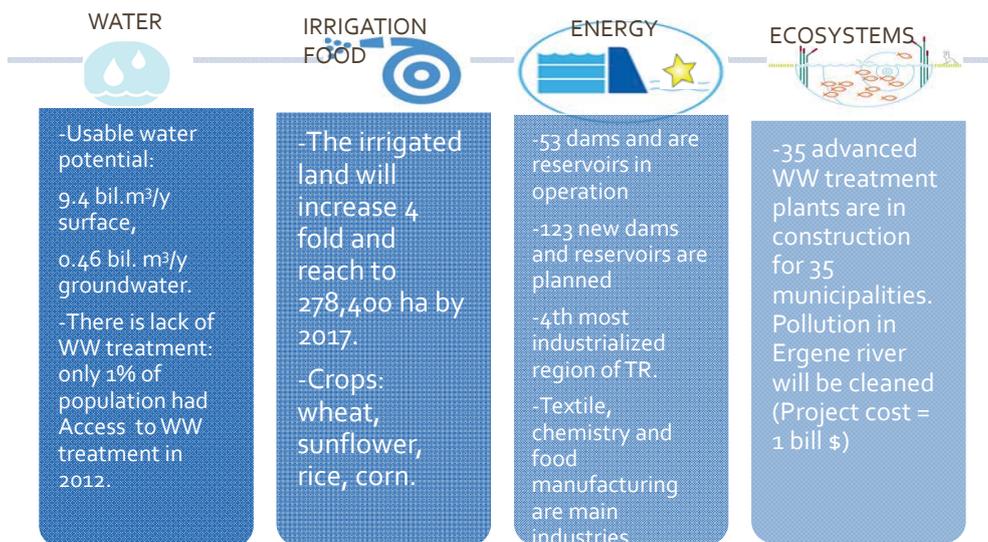
Konya Closed Basin Development Project KOP



TRAGEP: THRACE REGIONAL DEVELOPMENT PROJECT



Thrace Development Project-TRAGEP

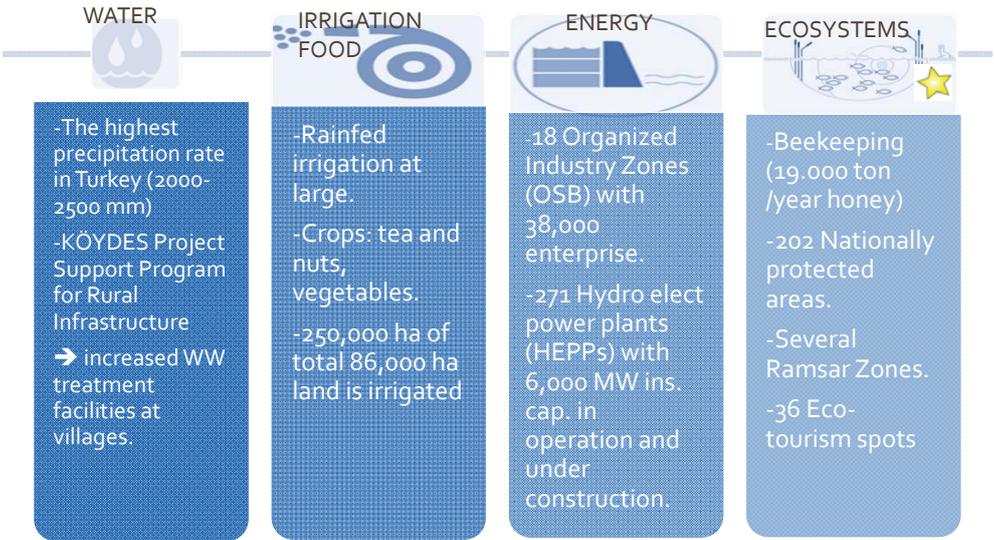


DOKAP: EAST BLACK SEA DEVELOPMENT PROJECT



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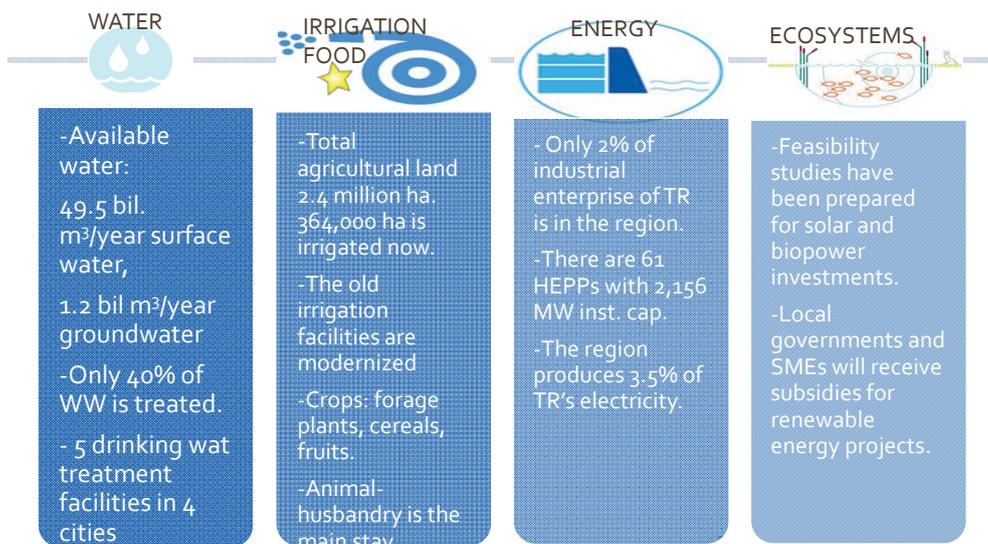
East Black Sea Development Project DOKAP



EAST ANATOLIA & SOUTH EAST ANATOLIA (GAP) BASIN REGIONAL DEVELOPMENT PROJECT



East Anatolia Development Project-DAP



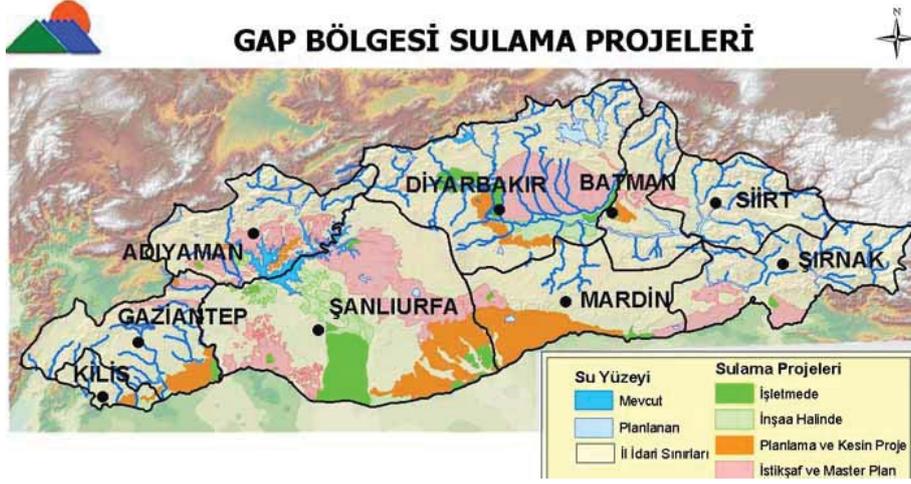
SOUTH EAST ANATOLIA (GAP) BASIN REGIONAL DEVELOPMENT PROJECT



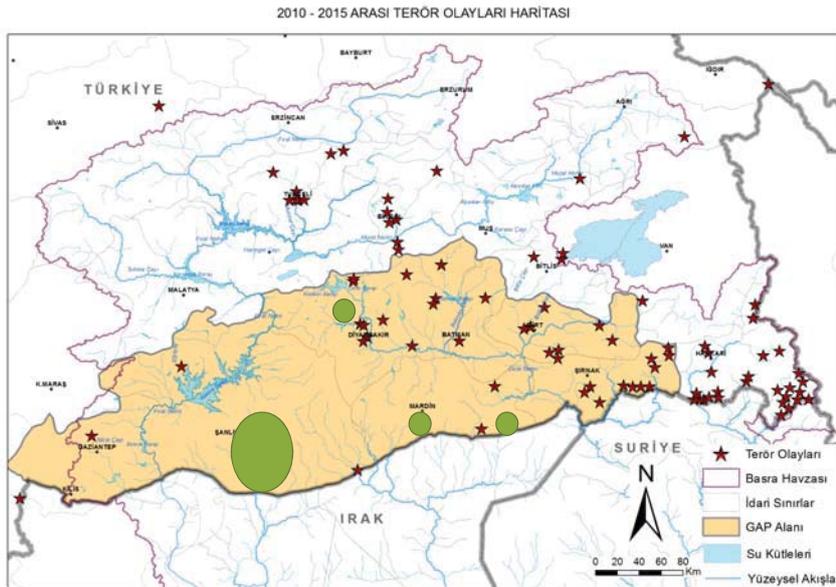
Southeast Anatolia Development Project GAP



Irrigated Areas in the South East Development Project (GAP)



Terrorism (201-2015) & Irrigated Zones





Thank you

