



# **SOUTHEAST ANATOLIA PROJECT (GAP) REGIONAL DEVELOPMENT ADMINISTRATION**





# **COVERAGE**

- **SOUTHEAST ANATOLIA PROJECT(GAP)**
- **GAP ACTION PLAN (2008-2012)**
- **GAP ACTION PLAN (2014-2018)**
- **GAP REGIONAL DEVELOPMENT ADMINISTRATION  
(GAP RDA)**
- **INVESTMENT OPPORTUNITIES**
- **COMPETITIVE AGENDA**

# GAP REGION







## TURKEY – GAP COMPARISION

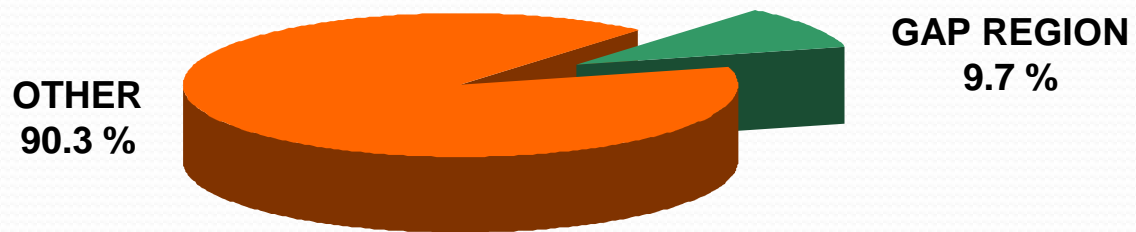
	TURKEY	GAP	GAP/TR (%)
Total Area (km <sup>2</sup> )	779 452	75 193	9.7
Population (milyon)*	77.69	8.25	10.6
Annual Population Growth Rate (thousand)(2013-2014)	13.31	18.88	

\* 2014 Results of Address Based Population Registration System

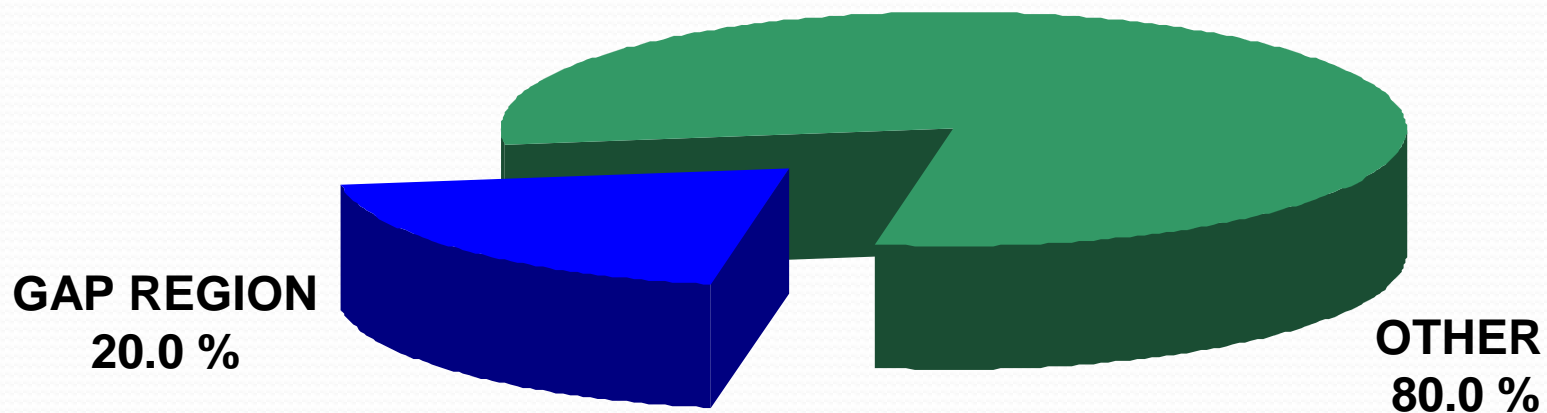


# LAND POTENTIAL

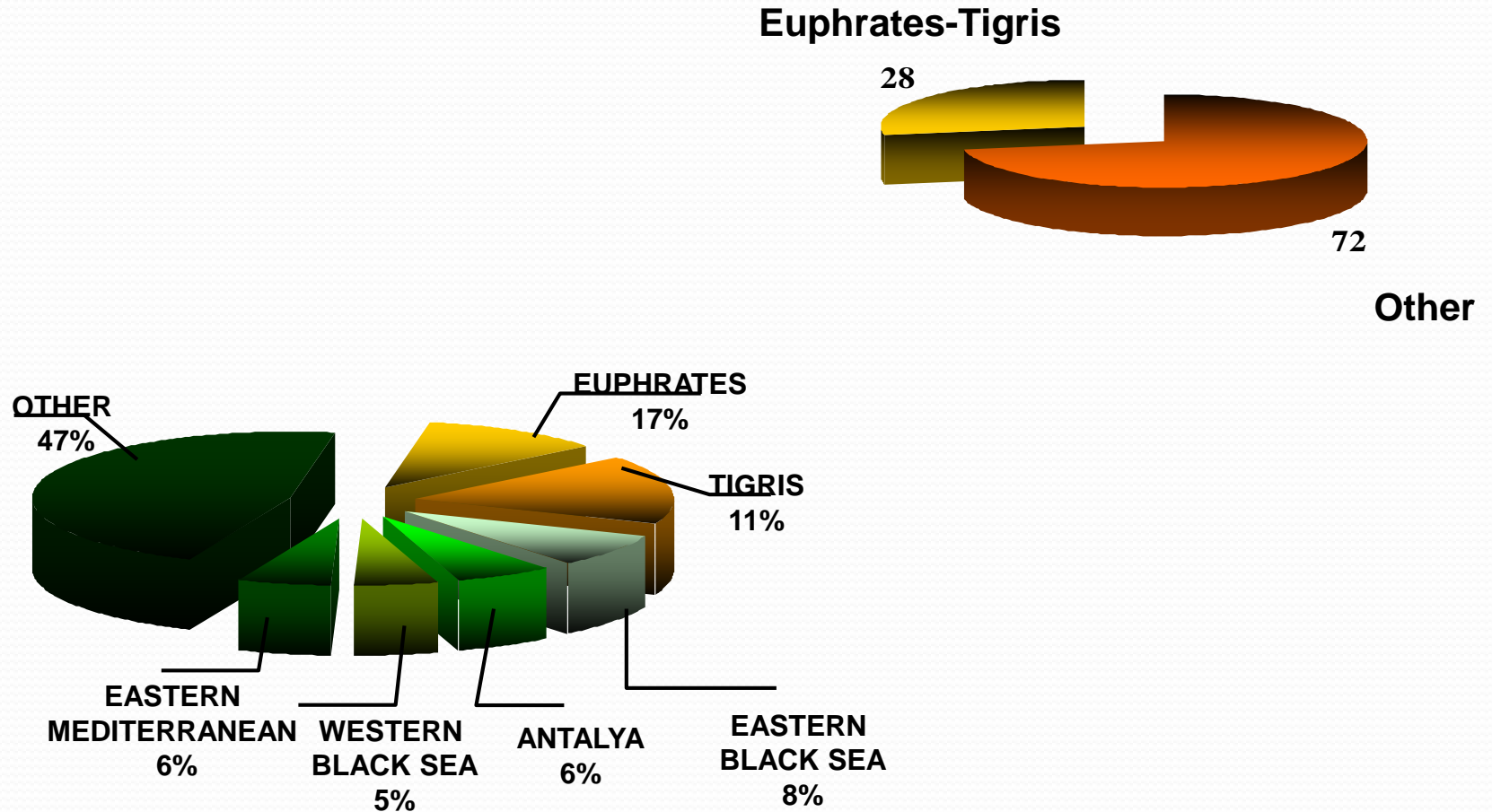
## TOTAL AREA



## ECONOMICALLY IRRIGABLE AREA



# TURKEY'S WATER POTENTIAL BY BASIN





# DEVELOPMENT STAGES of GAP

- **1936** Establishment of Electrical Power Resources Survey and Development Administration
- **1960** The studies on Euphrates and Tigris rivers
- **1977** Bringing together all studies under GAP  
*(GAP Water based Development Project Package)*
- **1986** State Planning Organization (SPO) as coordinating body for the integrated regional development project of GAP
- **1989** GAP Master Plan
- **1989** Establishment of the GAP Regional Development Administration
- **2002** GAP Regional Development Plan (2002-2010)
- **2008** GAP Action Plan (2008-2012)
- **2014** GAP Action Plan (2014-2018)





# **GAP WATER and SOIL RESOURCES DEVELOPMENT PROGRAMME**

<b>EUPHRATES</b>	<b>TIGRIS</b>
<b>Karakaya Dam/HPP</b>	<b>Dicle - Kralkızı</b>
<b>Aşağı Fırat</b>	<b>Batman</b>
<b>Sınır Fırat</b>	<b>Batman - Silvan</b>
<b>Suruc – Baziki</b>	<b>Garzan</b>
<b>Adıyaman – Kahta</b>	<b>Ilisu</b>
<b>Adıyaman–Göksu–Araban</b>	<b>Cizre</b>
<b>Gaziantep</b>	

**Total water potential of Turkey :186 billion m<sup>3</sup>. 32 billion m<sup>3</sup> from Euphrates and 21 billion m<sup>3</sup> from Tigris, GAP Region 53 billion m<sup>3</sup>.**

**Total 22 dams, 19 HPPs 1.8 million ha, 7490 MW, 27 billion kWh**



# **SOUTHEAST ANATOLIA PROJECT**

**INTEGRATED**

**MULTI-SECTORAL**

**SUSTAINABLE**

**REGIONAL DEVELOPMENT PROJECT**

**Aiming at developing land, water and human resources**

# SECTORS IN GAP



**Agriculture**

**Industry**

**Transportation/Communication**

**Urban/Rural Infrastructure**

**Health**

**Education**

**Tourism**

**Culture**

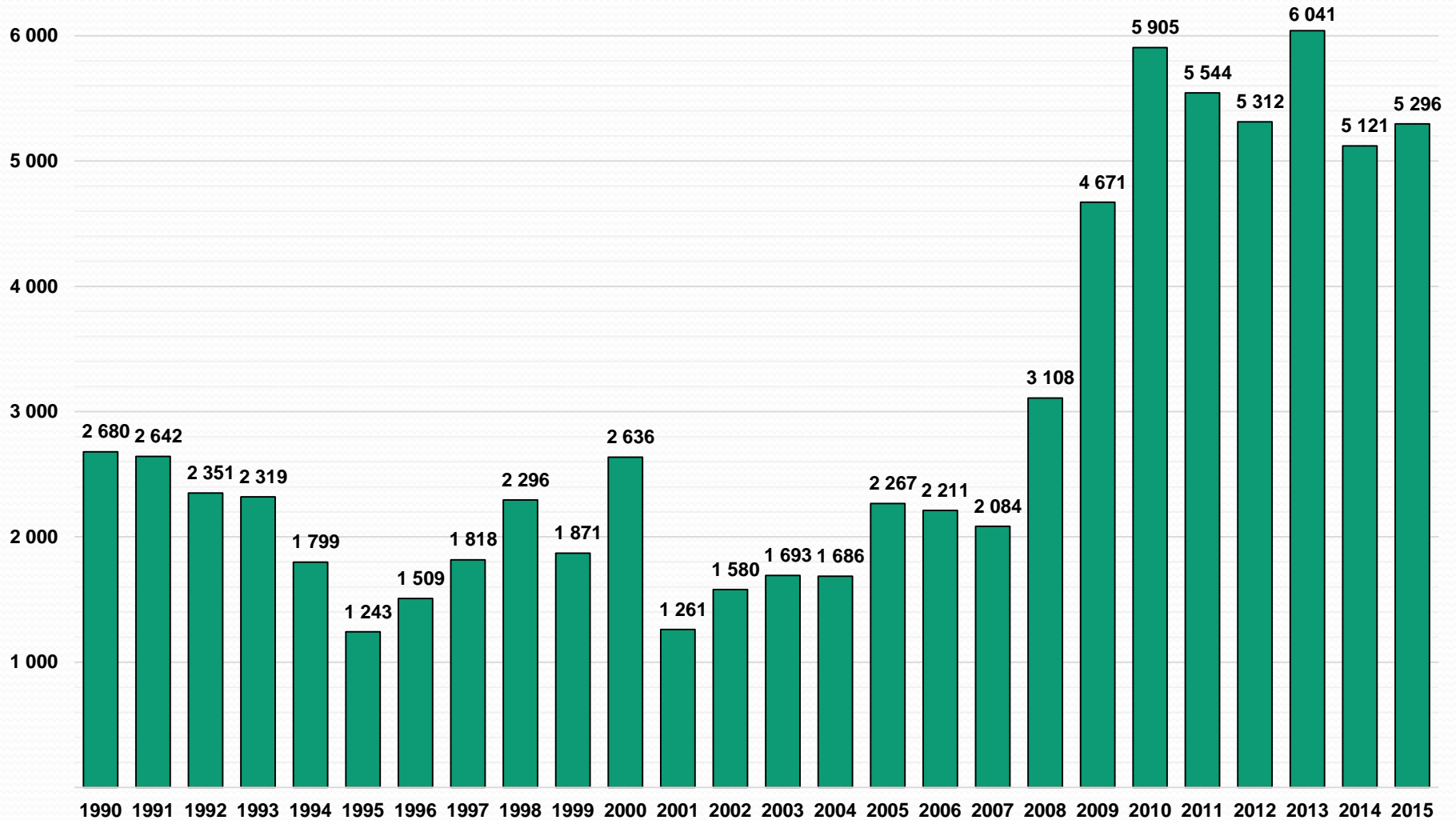






# PUBLIC INVESTMENT ALLOCATION

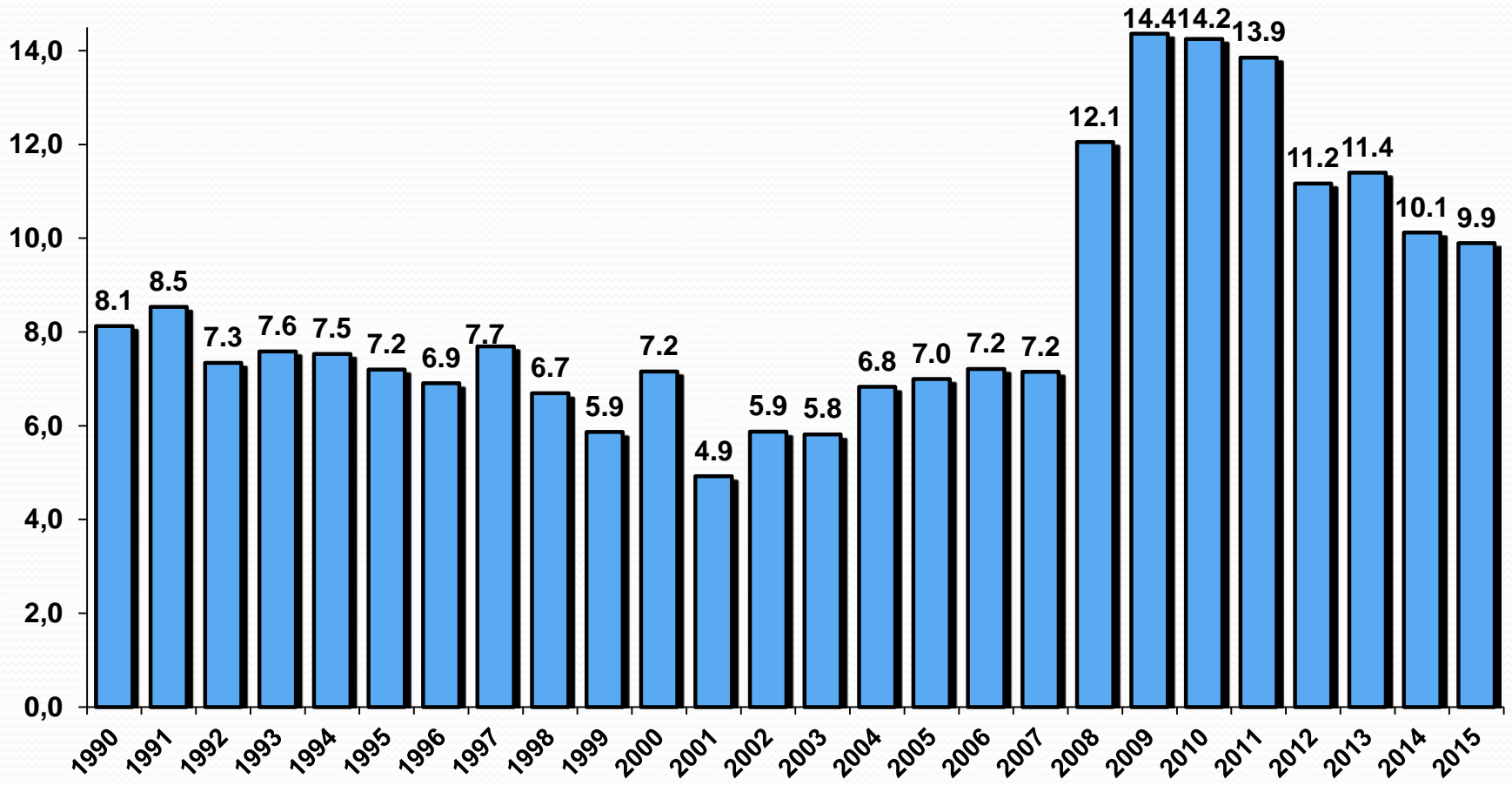
(Million TL)



At 2015 prices

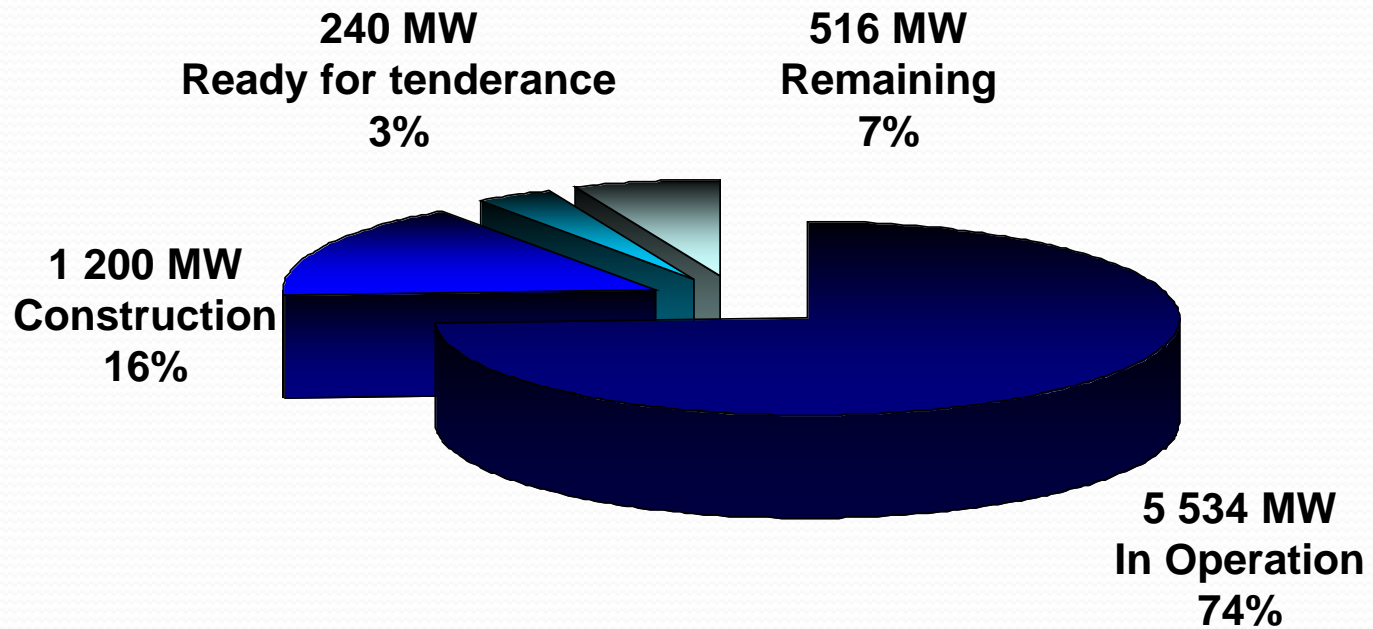


# GAP INVESTMENT SHARE IN TURKEY (%)





# GAP ENERGY PROJECTS



**TOTAL : 7.490 MW**

In the region until the end of 2014, 403.5 billion kilowatt-hours of electrical energy has been produced, the monetary value of the energy produced is 24.2 billion U.S. Dollars (1 kWh = 6 cents).





# GAP ENERGY PROJECTS

## Electricity Production in 2014

	<b>Billion kWh</b>
<b>GAP</b>	<b>11.4</b>
<b>Turkey</b>	<b>23.1</b>
<b>GAP's Share in Turkey's Overall Hydropower Energy Production</b>	<b>47.8%</b>

<b>Total Electricity Production (GAP)</b>	<b>403.5 Billion kWh</b>
<b>Money Equivalent</b>	<b>24.2 Billion \$</b>

1 kWh=6 cent

By the end of 2014

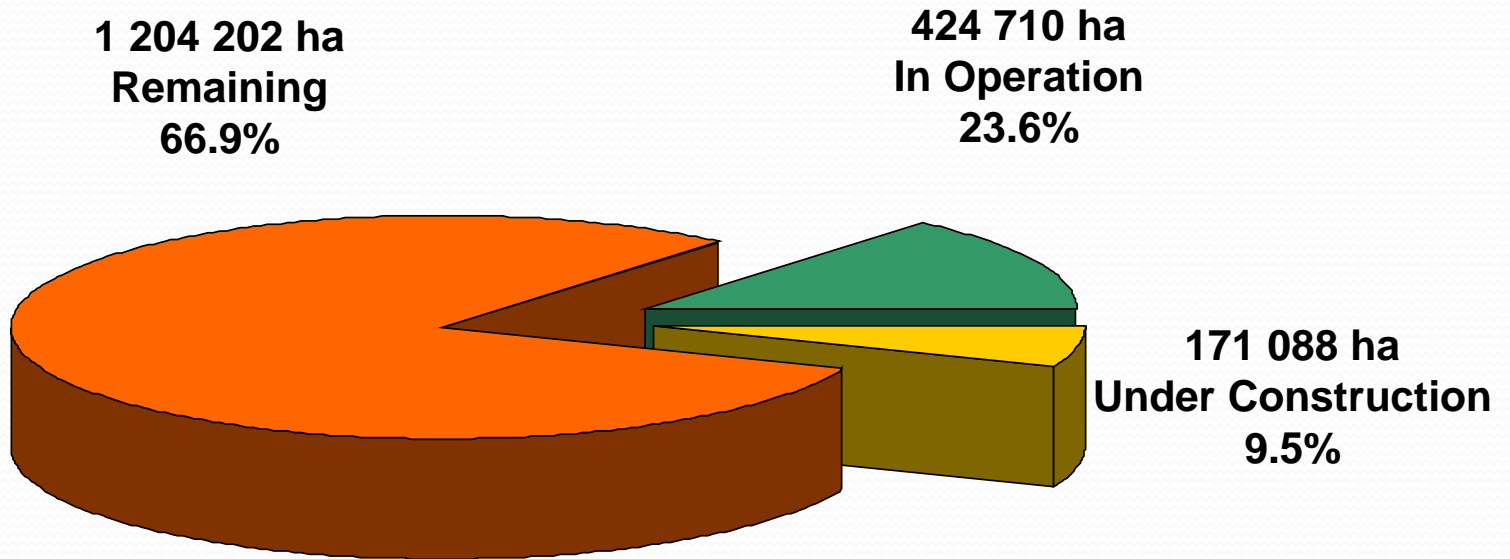
## DAMS and HPPs in OPERATION in THE GAP REGION

Dams and HPP	In Operation Since	Electricity Production*
Karakaya Dam and HPP	1987	195.3
Atatürk Dam and HPP	1992	162.5
Kralkızı Dam and HPP	1999	1.7
Karkamış Dam and HPP	2000	5.9
Dicle Dam and HPP	2000	2.9
Batman Dam and HPP	2003	4.0
Birecik Dam and HPP	2000	28.7
Çağ Çağ	1968	1.5
Erkenek	1972	0.02
Şanlıurfa	2006	1.0
<b>Toplam</b>		<b>403.5</b>

(\*) By the end of 2014, billion kWh



# GAP IRRIGATION PROJECTS

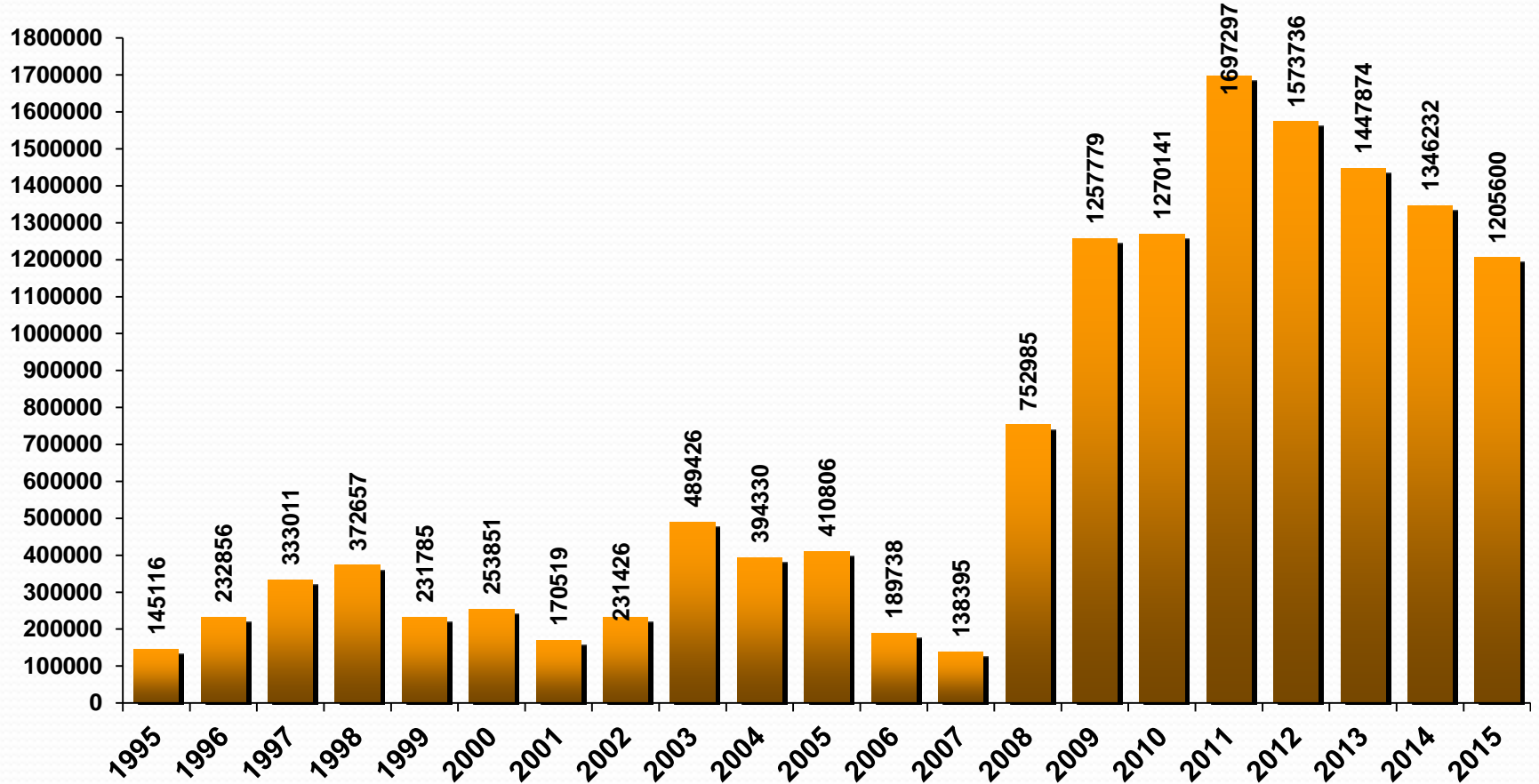


**TOTAL : 1.8 million ha**  
**As of end of 2014**



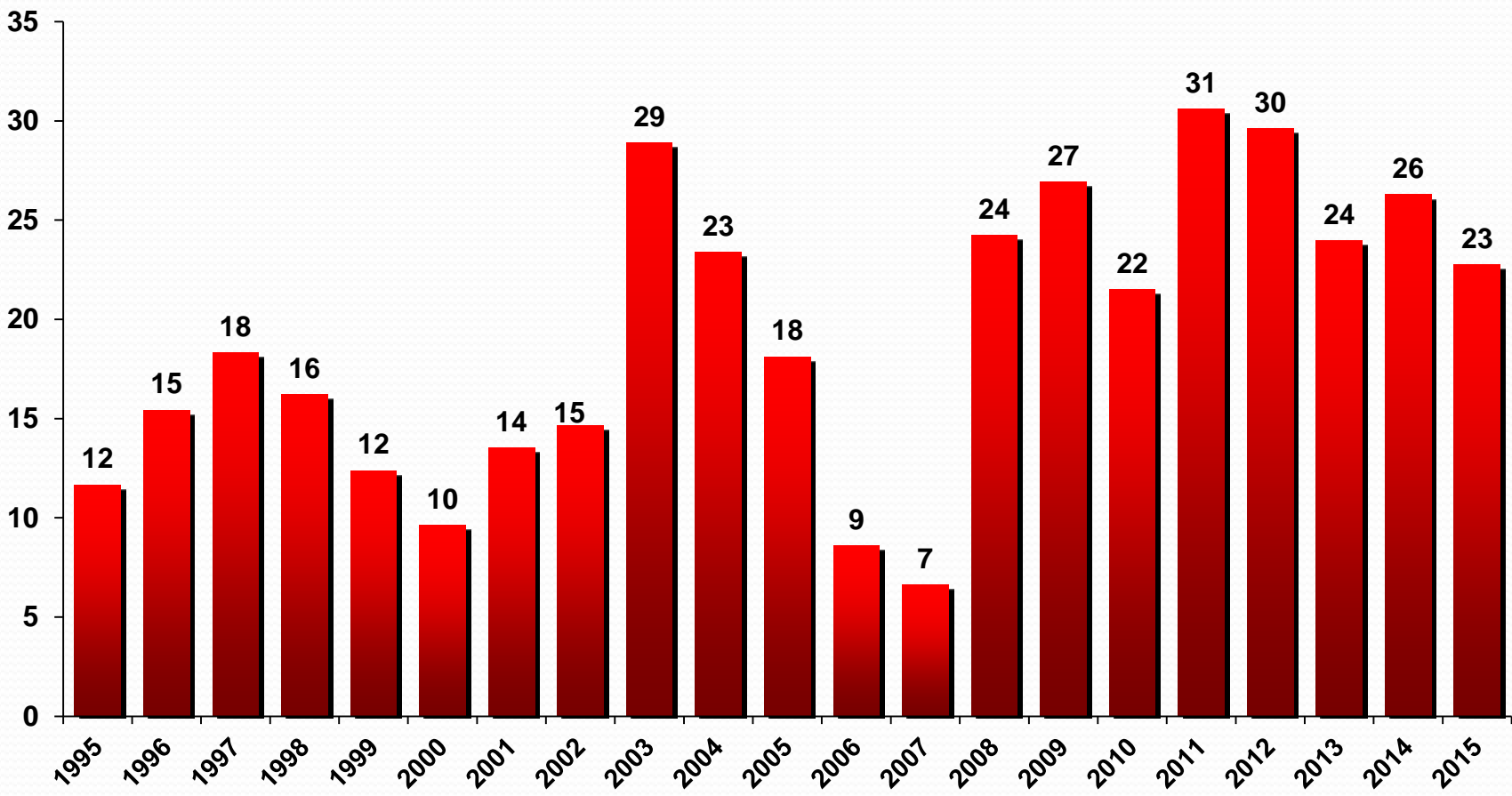


# GAP IRRIGATION INVESTMENTS (x1000 TL)





# GAP IRRIGATION INVESTMENTS' SHARE (%)



# **TRANSPORTATION INFRASTRUCTURE**

**Main highway connecting the Region to the nearest seaports is operational.**

**Main highway connecting the Region to Iraq is 95% completed.**

**2 conventional 6 STOL airports are in service.**

**Turkey's largest cargo airport was opened on 16 July 2007 (GAP Şanlıurfa Airport).**

**Şırnak Airport has been in operation since 2013.**

# **INDUSTRIAL INFRASTRUCTURE**

## **Oganized industrial zone;**

- \* 17 OIZ completed**
- \* 9 OIZ under construction**
  
- \* 36 small industrial sites completed**
- \* 4 small industrial sites under construction**

## **Free Zones;**

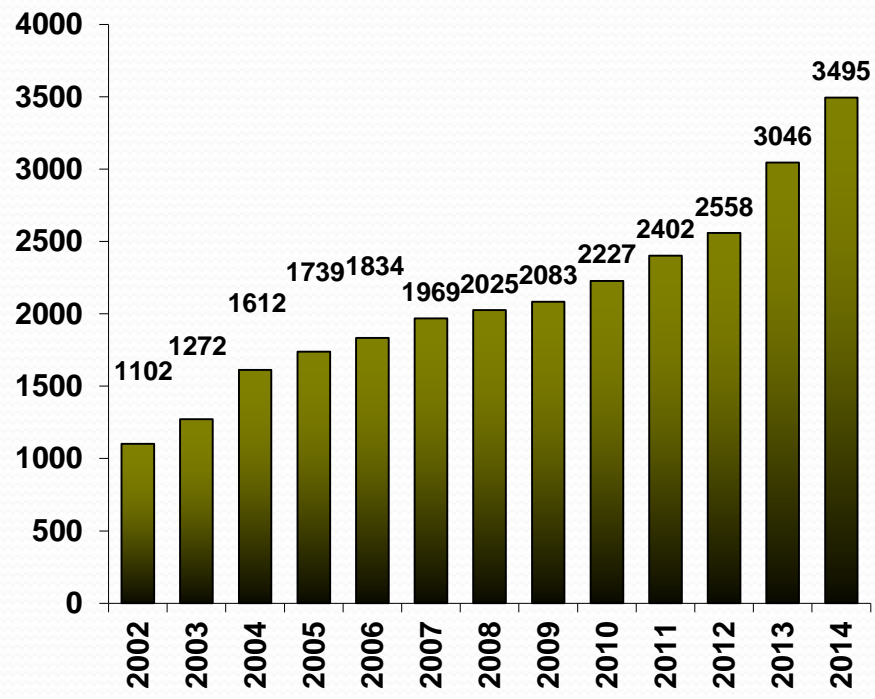
- \* 2 Free Zones in GAP Region.  
(Mardin and Gaziantep)**

**(By the end of 2014)**

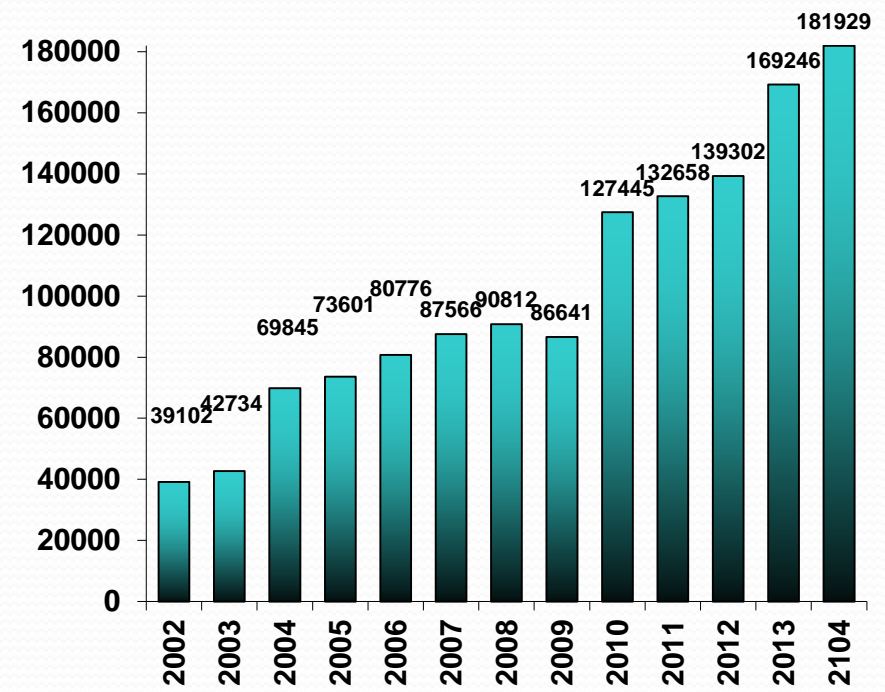


# MANUFACTURING INDUSTRY & EMPLOYMENT (2002-2014)

**ENTERPRISES**

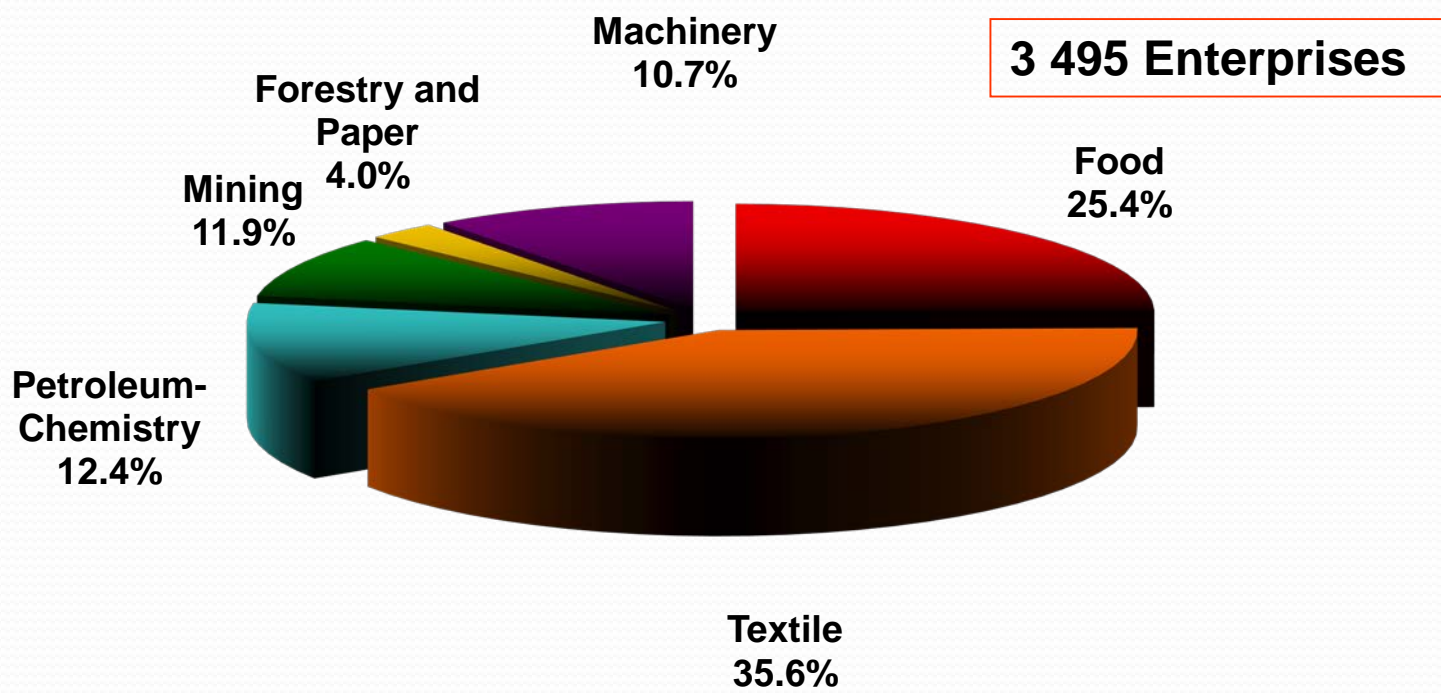


**EMPLOYMENT**





# BREAKDOWN OF INDUSTRY



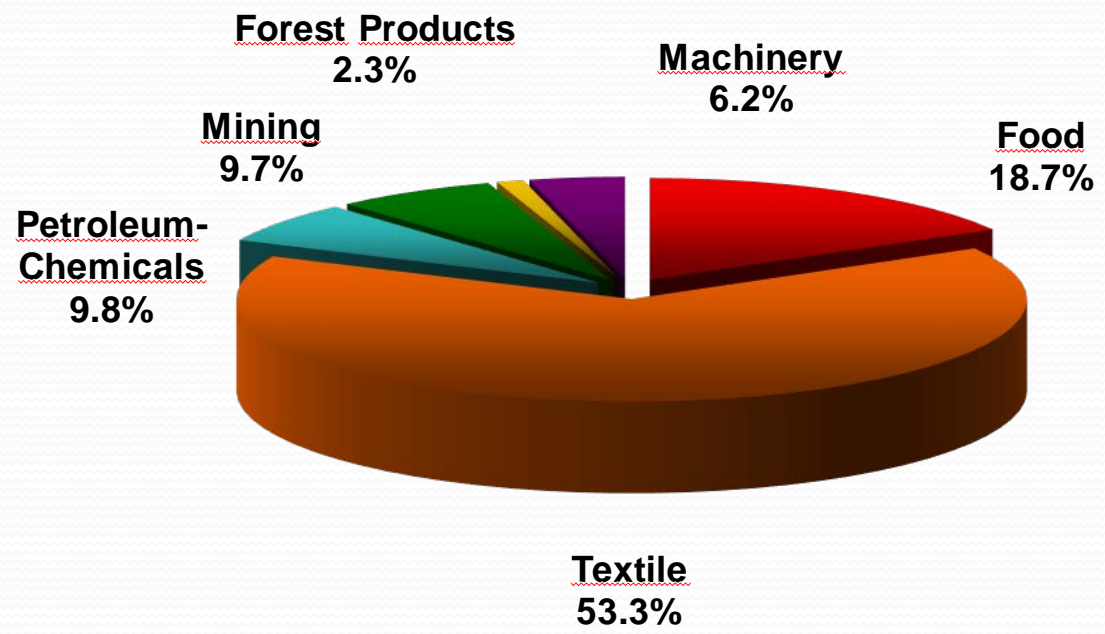
By the end of 2014  
Source: GAP RDA





# BREAKDOWN OF EMPLOYMENT

**Employment**  
**181 929**



(By the end of 2014)

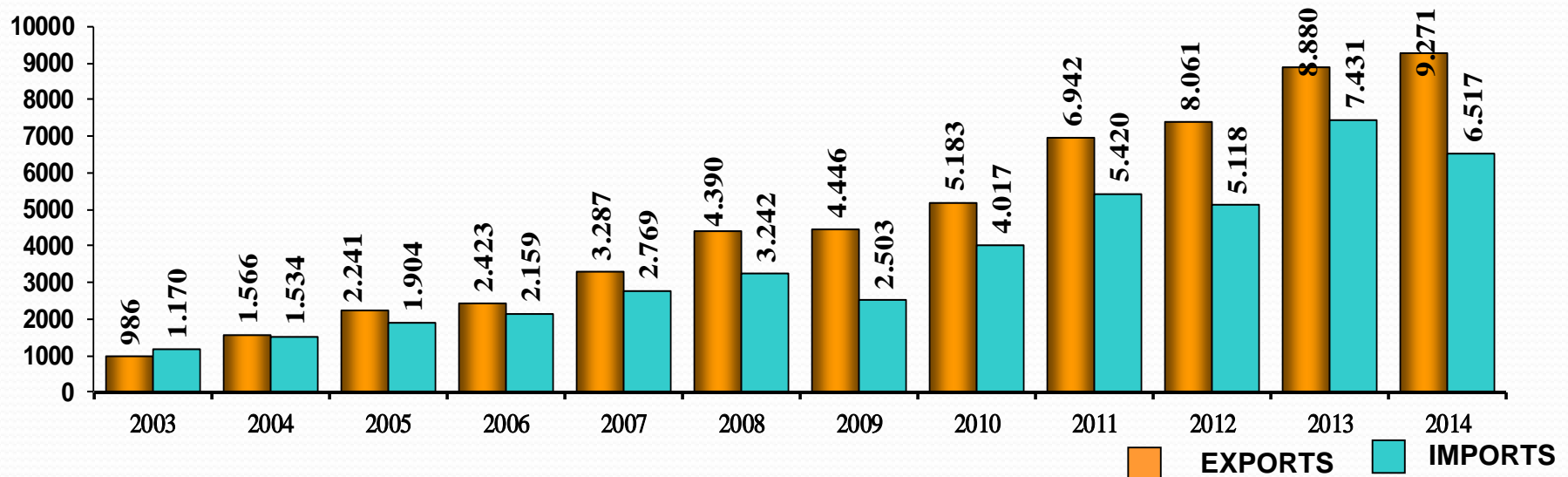
# FOREIGN TRADE (Million \$)

## EXPORTS

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Turkey	47 252	63 167	73 476	85 534	107 271	132 027	102 142	113 929	134 906	152 478	151 869	157 715
GAP	986	1 566	2 241	2 423	3 287	4 390	4 446	5 183	6 944	8 061	8 880	9 271
GAP/TR(%)	2.09	2.48	3.05	2.83	3.06	3.33	4.35	4.55	5.14	5.28	5.85	5.88

## IMPORTS

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Turkey	69 339	97 539	116 774	139 576	170 062	201 963	140 928	185 492	240 842	236 545	251 661	242 224
GAP	1 170	1 534	1 904	2 159	2 769	3 242	2 503	4 017	5 422	5 619	7 431	6 517
GAP/TR(%)	1.69	1.57	1.63	1.55	1.62	1.61	1.78	2.16	2.25	2.37	2.95	2.69





## CHANGES IN THE REGION

	1985 (%)	2000 (%)	2013 (%)
<b>Rural Water Supply</b>	<b>57.0</b>	<b>65.0</b>	<b>97.3</b>
<b>Urban Water Supply</b>	<b>15.0</b>	<b>65.0</b>	<b>99.0</b>
<b>Rural Electricity</b>	<b>66.0</b>	<b>99.0</b>	<b>99.0</b>
<b>Rural Roads</b>	<b>71.0</b>	<b>98.0</b>	<b>98.0</b>
<b>Literacy</b>	<b>56.0</b>	<b>69.0</b>	<b>96.6</b>
<b>Number of Beds in Hospitals (10 000 persons)</b>		<b>12.5</b>	<b>20.2</b>
<b>Infant Mortality (in 1000)</b>	<b>111.0</b>	<b>60.0</b>	<b>15.5</b>



# **GAP ACTION PLAN (2008-2012)**

# **GAP ACTION PLAN PREPATORY PROCESS**

**SOCIAL AND ECONOMIC COUNCIL MEETINGS IN 9 PROVINCES**

**To get the contributions of local administrations, local NGOs, associations, chambers, and universities**



**EVALUATION MEETINGS**

**with central agencies, Region's governors and local authorities, members of GAP Development Platform and Press in Ankara**

**TAKING INTO ACCOUNT THE OUTPUTS OF COMPETITIVENESS AGENDA FOR THE GAP REGION**



**CENTRAL AGENCIES SENT THEIR PROJECTS AND ACTIVITIES RELATED TO GAP ACTION PLAN**



# GAP ACTION PLAN

## INVESTMENT REALIZATION (2008-2012)

Year	(At 2012 prices, thousand TL)			The realization of program benefits(%)	Realization according to the revised appropriation (%)
	Allowance program	Allowance revised	Year-end spending		
2008	2 345 302	2 345 302	1 963 280	84	84
2009	3 304 019	3 282 975	2 659 578	80	81
2010	3 964 717	4 632 464	3 718 140	94	80
2011	3 579 989	4 202 960	3 435 625	96	82
2012	3 498 157	3 740 291	2 907 754	83	78
<b>Total</b> (2008-2012)	<b>16 692 183</b>	<b>18 203 992</b>	<b>14 684 376</b>	<b>88</b>	<b>81</b>





# **GAP ACTION PLAN**

## **GAP Action Plan Strategic Development Axis;**

- 1. Economic Development**
- 2. Social Development**
- 3. Infrastructure Development**
- 4. Institutional Capacity Development**

**73 “main action”**

**More than 300 “projects and activities”**

# GAP ACTION PLAN REALIZATIONS

## Irrigation

- ✓ 424 710 ha land have been irrigated.
- ✓ 934 km of main irrigation canals have been completed.



# GAP ACTION PLAN - REALIZATIONS

- ✓ Consolidation works in 2.4 million ha completed
- ✓ Terminals of Batman and Adiyaman Airports and Sirnak Airport were opened.
- ✓ New incentive system was put into practice
- ✓ Loans to SMEs were increased
- ✓ 19 987 classrooms were opened. Dormitories to hold 19 920 students were built.
- ✓ 1.5 billion TL was allocated to 9 universities; 31 faculties, 11 community colleges, 4 institutes were opened.
- ✓ 3 techno parks were opened.

# GAP ACTION PLAN - REALIZATIONS

- ✓ 4 238 more hospital beds were provided.
- ✓ 59 cultural assets were restored.
- ✓ Growth Pool program in Diyarbakır, Şanlıurfa and Gaziantep put into practice.
- ✓ 3 242 projects were supported within Social Support Programs (1.6 million people)
- ✓ 40 Social institutions were opened for the elderly, children, youngsters and the disabled.
- ✓ 15 Multipurpose Community Centers (ÇATOM) opened, reaching 44 centers.
- ✓ 14 885 flats were completed, 12 438 more under construction.

# CHANGES IN THE REGION

	2007	2012	2013	2014
<b>Population (Million)</b>	7.1	7.9	8.0	8.2
<b>Population Growth Rate (in thousands)</b>	24.78	18.0	17.18	18.89
<b>Population Density (people / km<sup>2</sup>)</b>	95	106	108	110
<b>Household Size (person)</b>	6.5 (*)	5.9		5.3
<b>Infant Mortality Rate (per thousand)</b>	18.1 (**)	15.7	15.5	16.5
<b>Education Enrolment Ratio</b>	(2007-2008)	(2012-2013)		(2014-2015)
- Pre-school	34.6	44.07		49.07
- Primary education	94.8	98.5		98.3
- Secondary education	57.8	78.2		91.5

(\*) 2000, (\*\*) 2009





# CHANGES IN THE REGION

	2007	2012	2013	2014
<b>Number of Hospitals</b>	96	120	122	
<b>Number of beds</b>	9 980	15 682	16 364	
<b>Beds for 10 000 persons</b>	13.9	19.7	20.2	
<b>Incentive Certificates</b>	186	536	738	398
<b>Exports (\$ million)</b>	3 246	8 061	9 335	9 271
<b>Irrigated Area (ha)</b>	272 972	377 672	411 508	424 710
<b>Road Length (km)</b>	34 975	36 604	37 763	
<b>Motorway (Km)</b>	203	291	291	294
<b>Divided Highways (km)</b>	507	2 077	2 134	2173
<b>Number of OIZ</b>	8	16	17	17
<b>Number of SIS</b>	25	35	36	36





# **GAP ACTION PLAN (2014-2018)**



# **GAP ACTION PLAN(2014-2018)**

**GAP AP (2014-2018) was prepared;**

- ✓ To complete ongoing investments,
- ✓ To use the potential as the result of investments completely for acceleration of economic, social and cultural development,
- ✓ To increase the Region's competitiveness power and
- ✓ To move GAP forward.



# **GAP ACTION PLAN (2014-2018)**

*Approved by Decision No. 2014/1 and  
On March 8, 2015*

*by High Council of Regional Development*

*It was announced in Mardin by  
Prime Minister Ahmet Davutoglu*



## **GAP ACTION PLAN (2014-2018)**

Region's competitive power was aimed to be increased by implementing more developed infrastructure and institutional capacity with policies facilitating economic and social development such as;

- ✓ Improving the viability of cities,
- ✓ Improving the quality of education and health services,
- ✓ Taking transportation and housing infrastructure to higher standards
- ✓ Assessing natural and cultural structure
- ✓ The establishment of logistics centers,
- ✓ Implementation of modern irrigation techniques,
- ✓ Transition to competitive product types,
- ✓ Expansion of marketing opportunities,
- ✓ Empowerment of human resources and institutional capacity



# **GAP ACTION PLAN (2014-2018)**

## **DEVELOPMENT AXIS**

### **GAP ACTION PLAN ;**

- 1. Economic Development**
- 2. Social Development**
- 3. Increasing viability in cities**
- 4. Improving infrastructure**
- 5. Strengthening the Institutional Capacity**

**115 "main action" 494 "projects and activities"**



# **GAP ACTION PLAN (2014-2018)**

## **MACRO TARGETS OF 2018**

### **GAP REGION;**

- ✓ GAP's Gross Value Added per capita ratio to the average of Turkey will be increased to 54.4%.
- ✓ The unemployment rate will be reduced to 10.3%.
- ✓ The employment rate will be increased to 35.3%.
- ✓ The labor force participation rate will be 39.1%.
- ✓ Export value will be increased to USD B22.12.



# GAP ACTION PLAN (2014-2018)

## SUMMARY FINANCIAL STATEMENTS (Million)

Axis	2014	2015	2016	2017	2018	2014-2018
Accelerating Economic Development	312	320	328	332	336	1 628
Strengthening Social Development	1 186	1 219	1 248	1 265	1 277	6 195
Increasing viability in cities	192	198	202	205	207	1 004
Improving infrastructure	3 418	3 508	3 592	3 643	3 675	17 836
Strengthening the Institutional Capacity	5	5	5	5	5	25
<b>Total</b>	<b>5 113</b>	<b>5 250</b>	<b>5 375</b>	<b>5 450</b>	<b>5 500</b>	<b>26 688</b>

*Note: The table shows the investment allowances to be allocated from the central budget; additional funding that will be provided from other sources are not included. Also, according to realization of the project and additional resources can be allocated according to the budget.*



# **GAP ACTION PLAN (2014-2018)**

## **DEVELOPMENT AXES**

### **1. Accelerating Economic Development**

- ✓ Agriculture
- ✓ Industry and Commerce
- ✓ Incentive Systems
- ✓ Improving R&D, Innovation and Technology Capacity
- ✓ Tourism
- ✓ Natural Resources and Renewable Energy



# **GAP ACTION PLAN (2014-2018)**

## **DEVELOPMENT AXES**

### **2. Strengthening Social Development**

- ✓ Education
- ✓ Development of basic and vocational skills
- ✓ Health
- ✓ Social Support Program
- ✓ Social Services and Assistance
- ✓ Art and culture
- ✓ Sports

# **GAP ACTION PLAN (2014-2018)**

## **DEVELOPMENT AXES**

### **3. Increasing Livability In Cities**

- ✓ Growth Pools
- ✓ Urban Planning
- ✓ Quality of Life in Cities
- ✓ Urban Infrastructure
- ✓ Housing - Urban Regeneration



# **GAP ACTION PLAN (2014-2018)**

## **DEVELOPMENT AXES**

### **4. Improving infrastructure**

- ✓ Irrigation
- ✓ Energy
- ✓ Transportation
- ✓ Information Technologies

# **GAP ACTION PLAN (2014-2018)**

## **DEVELOPMENT AXES**

### **5. Strengthening the Institutional Capacity**

- ✓ Provincial Organization of the Administration Center
- ✓ Local Governments
- ✓ Regional Development Administration and Development Agencies
- ✓ Civil Society Organizations
- ✓ Universities
- ✓ Other institutions and organizations
- ✓ General



# GAP RDA

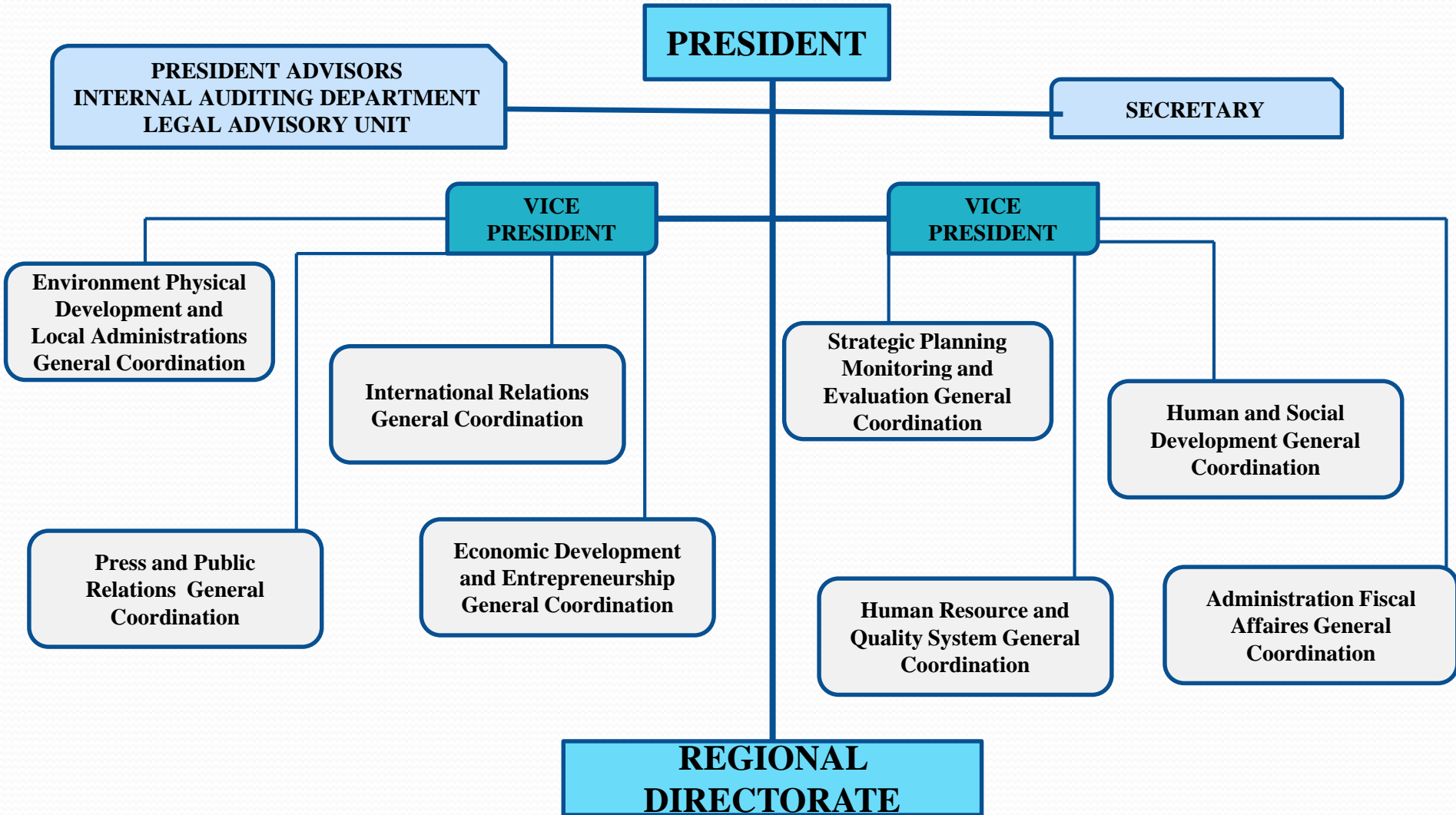


## ACTIVITIES BY GAP RDA





# ORGANIZATION CHART OF THE PRESIDENCY OF GAP RDA





# GAP RDA DUTIES

**PLANNING**

**MONITORING, EVALUATION, COORDINATION**

**ATTRACTING NATIONAL AND FREIGN INVESTMENT**

**PROJECTS TOWARDS ECONOMIC AND SOCIAL DEVELOPMENT**





# PLANNING ACTIVITIES

<b>1989</b>	<b>GAP Master Plan (1989-2005)</b>
<b>1992</b>	<b>Transportation and Infrastructure Sub-Region Development Plan</b>
<b>1986</b>	<b>Social Action Plan</b>
<b>2002</b>	<b>GAP Regional Development Plan (2002-2010)</b>
<b>2008</b>	<b>GAP Action Plan (2008-2012)</b>
<b>2010</b>	<b>GAP Tourism Master Plan (2010-2011)</b>
<b>2014</b>	<b>GAP Action Plan (2014-2018)</b>



# **ECONOMIC DEVELOPMENT AND PRIVATE SECTOR PROJECTS**



# ECONOMIC DEVELOPMENT

**Agricultural Research Project**

**Project Diversifying Agriculture and Non-Agricultural Activities**

**Increasing Incomes of People in Non-Irrigated Areas**

**Integrated Rural Development Project**

**Establishment of Kilis Goat Breeding Enterprises**

**Improving Animal Husbandry in GAP Region**

**Afforestation and Erosion Control Project**

**GAP Agricultural Training & Extension Project (GAP TEYAP)**

**GAP Agricultural Training & Extension Project (GAP TEYAP)- 2nd Phase: Implementing the Model**

**Precision Agriculture in GAP Region**

**Organic Agriculture Cluster Development Project**

**GAP Organic Agriculture Consultancy Center**

**GAP Renewable Energy & Energy Efficiency**

Aim: Conducting agricultural research and development activities to scientifically determine production systems suitable for the Region's markets, economic and ecologic conditions to best assess agricultural potential as a result of irrigation.

Research activities have been conducted since 1989 with universities and research institutes.



# ECONOMIC DEVELOPMENT

**Agricultural Research Project**

**Project Diversifying Agriculture and Non-Agricultural Activities**

**Increasing Incomes of People in Non-Irrigated Areas.**

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**GAP Agricultural Training & Extension Project (GAP TEYAP)- 2nd Phase: Implementing the Model**

**Precision Agriculture in GAP Region**

**Organic Agriculture Cluster Development Project**

**GAP Organic Agriculture Consultancy Center**

**GAP Renewable Energy & Energy Efficiency**

57 projects were implemented between 2010-2014 to contribute to family livelihoods by diversifying non agricultural activities, and implementation of new agricultural techniques within sustainable manners.



# ECONOMIC DEVELOPMENT

**Agricultural Research Project**

**Project Diversifying Agriculture and Non-Agricultural Activities**

**Increasing Incomes of People in Non-Irrigated Areas**

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**Precision Agriculture in GAP Region**

**Organic Agriculture Cluster Development Project**

**GAP Organic Agriculture Consultancy Center**

**GAP Renewable Energy & Energy Efficiency**

41 projects were implemented to increase income of people living in non irrigated areas depending on their potential and resources between 2010-2014.



# ECONOMIC DEVELOPMENT

## **Agricultural Research Project**

### **Project Diversifying Agriculture and Non-Agricultural Activities**

**Increasing Incomes of People in Non-Irrigated Areas.**

## **Integrated Rural Development Project**

### **Establishment of Kilis Goat Breeding Enterprises**

### **Improving Animal Husbandry in GAP Region**

### **Afforestation and Erosion Control Project**

### **GAP Agricultural Training & Extension Project (GAP TEYAP)**

### **GAP Agricultural Training & Extension Project (GAP TEYAP)- 2nd Phase: Implementing the Model**

### **Precision Agriculture in GAP Region**

### **Organic Agriculture Cluster Development Project**

### **GAP Organic Agriculture Consultancy Center**

### **GAP Renewable Energy & Energy Efficiency**

**Aim:** Improving socio-economic life of people living in rural areas within sustainable and participatory approach.

**Activities such as;**

- Sub-region determination
- Value chain development within villages and potential products
- Training and needs analysis for stakeholders conducted.

At the end of 2014, 121 projects were implemented in 28 districts of 9 provinces.





# ECONOMIC DEVELOPMENT

**Agricultural Research Project**

**Project Diversifying Agriculture and Non-Agricultural Activities**

**Increasing Incomes of People in Non-Irrigated Areas**

**Integrated Rural Development Project**

**Establishment of Kilis Goat Breeding Enterprises**

**Improving Animal Husbandry in GAP Region**

**Afforestation and Erosion Control Project**

**GAP Agricultural Training & Extension Project (GAP TEYAP)**

**GAP Agricultural Training & Extension Project (GAP TEYAP)- 2nd Phase: Implementing the Model**

**Precision Agriculture in GAP Region**

**Organic Agriculture Cluster Development Project**

**GAP Organic Agriculture Consultancy Center**

**GAP Renewable Energy & Energy Efficiency**

**Establishment of Breeder Enterprises and Improving Current Enterprises**

Call your veterinary surgeon 348 813 10 69

Goat Milk Processing Facility

Production of fodder crops will be supported in addition to these activities





# ECONOMIC DEVELOPMENT

**Agricultural Research Project**

**Project Diversifying Agriculture and Non-Agricultural Activities**

**Increasing Incomes of People in Non-Irrigated Areas**

**Integrated Rural Development Project**

**Establishment of Kilis Goat Breeding Enterprises**

**Improving Animal Husbandry in GAP Region**

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**GAP Agricultural Training & Extension Project (GAP TEYAP)**

**GAP Agricultural Training & Extension Project (GAP TEYAP)- 2nd Phase: Implementing the Model**

**Precision Agriculture in GAP Region**

**Organic Agriculture Cluster Development Project**

**GAP Organic Agriculture Consultancy Center**

**GAP Renewable Energy & Energy Efficiency**

- Increasing incomes of farmers with less or without land
- Implementing participatory and sustainable stock breeding in farmer's conditions
- Contributing to national economy
- Prevention of migration from Region
- 6 projects implemented between 2010-2014
- Fodder crops will be supported



# ECONOMIC DEVELOPMENT

**Agricultural Research Project**

**Project Diversifying Agriculture and Non-Agricultural Activities**

**Increasing Incomes of People in Non-Irrigated Areas**

**Integrated Rural Development Project**

**Establishment of Kilis Goat Breeding Enterprises**

**Improving Animal Husbandry in GAP Region**

**Afforestation and Erosion Control Project**

**GAP Agricultural Training & Extension Project (GAP TEYAP)**

**GAP Agricultural Training & Extension Project (GAP TEYAP)- 2nd Phase: Implementing the Model**

**Precision Agriculture in GAP Region**

**Organic Agriculture Cluster Development Project**

**GAP Organic Agriculture Consultancy Center**

**GAP Renewable Energy & Energy Efficiency**

- Preserving, improving and expanding current forests
- Preserving endemic species from dam lakes
- Preserving improving range lands for livestock
- Erosion control and afforestation of artificial and natural water canals will be supported this year.



# ECONOMIC DEVELOPMENT

**Agricultural Research Project**

**Project Diversifying Agriculture and Non-Agricultural Activities**

**Increasing Incomes of People in Non-Irrigated Areas**

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**GAP Organic Agriculture Consultancy Center**

**GAP Renewable Energy & Energy Efficiency**

Increasing the quality of Agricultural training and extension 2011-2013

Project activities;

- Village meetings,
  - Field days,
  - Demonstrations,
  - Fairs ,
  - Technical domestic and international trips
- 
- 1676 activities: 11 206 farmers directly, 140 000 indirectly benefited
  - Training for 2181 technical staff

**GAP TEYAP Farmer Based Pluristic Extension Model**



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**GAP Renewable Energy & Energy Efficiency**

Aim: Improving farmers' organizations technically to enable them to provide extension services efficiently and sustainably.

GAP TEYAP model operates in 30 different areas.

Chambers of Agriculture, producers' unions, irrigation cooperatives & unions, breeding unions,

By July of 2015, 1422 activities for technical staff 3080 and 22 821 farmers.





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**GAP Renewable Energy & Energy Efficiency**

Generalizing precision farming in GAP Region to increase productivity and competitive power of agricultural enterprises

Making the region production center of technology and information center of precision farming

- Raising awareness among agricultural enterprises about precision farming,
- Demonstrations on farms
- Supporting farmers to have necessary machinery and systems for precision farming
- Contribute to establishment of “Precision Farming” technology development center



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**GAP Renewable Energy & Energy Efficiency**

Cluster road map, value chain and clustering analysis were conducted.

Pilot Projects:

- *Organic Olive oil- Integrated Olive Oil Factory*
- *Organic Cereals*
- *Plant Protection, Nutrition and Biological Control*
- *Organic Honey*
- *Organic Cotton*



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**GAP Organic Agriculture Consultancy Center**

**GAP Renewable Energy & Energy Efficiency**

GAP organic value chain program:  
Lots of project applications needs  
consultancy





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**GAP Renewable Energy & Energy Efficiency**

Assessing the renewable energy potential and to increasing energy efficiency in GAP Region

- Solar Powered Irrigation Systems ,
- GAP - Energy Efficiency Consultancy and Incubation Center
- Increasing Energy Efficiency in Public Building
- Increasing Efficiency in Industry
- Bio-mass production from agricultural and animal residues
- Institutional capacity development in RE&EE
- GAP RE&EE Center
- Green Energy Industrial Zones

# ACTIVITIES FOR PRIVATE SECTOR

## Preparation of Industry Report

- Changes in Manufacturing Industry Annually
- Changes in Services Sector

## Incentives

Briefing public about new incentive program

## Investment Opportunities

Briefing national and international potential entrepreneurs about investment environment and sectoral opportunities in GAP

General briefing about GAP

Cooperation with national and international institutions:  
Wageningen, YunNan, JICA, DTI, etc.

Coordination with Development Agencies



# **PROJECTS FOR SOCIAL DEVELOPMENT**



# PROJECTS FOR SOCIAL DEVELOPMENT

## Multi Purpose Community Centers (ÇATOM)

Social Development Project For Youth

Children Reading Room & Development Centers

Innovations in Empowerment of Women Project I

Empowerment of Women and Women NGOs Phase II

GAP ÇATOM Scholarship Project

Healthy Eye and Success in Education

Health Literacy Project

Institutional Social Responsibility Project

Research Project

Study of GAP Region Social Structure

Little Hearts Project

Improving Capacity of Management Personnel of Local Authorities in GAP Region

Training of Trainers of Social Cohesion

There are 44 ÇATOMs in the region.

- More than 10 thousand people participate to the programs of ÇATOM each year, and 50-60 thousand women participate to events organized by ÇATOMs.
- **289 731** people were reached between November 1995 – July 2015 period through ÇATOM programs



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**Training of Trainers of Social Cohesion**

In Youth Culture Houses established in 9 provinces; capacity building activities, socio-cultural events, social development projects, occupational trainings and exchange programs are implemented.

International GAPGENÇ Festival, YASED Koza Vocational Training Project and Information Technology Academy activities were implemented.

**233 922** people were reached in the period May 2001 – June 2015.





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There are

**18 Children Reading Rooms**

**30 Children Play Rooms**

**11 GAP-Cheetos Children**

**Development Centers (ÇGM)**

Between March 2003 - June 2015 **51 250** children were reached.

Cizre and Soma Development Centers were established in **2014**.



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Training of Trainers of Social Cohesion

This project intends to empower women in the region through innovative production and employment strategies.

Financed by Swedish International Development Cooperation (SIDA), the project has two phases; implemented by GAP RDA and UNDP in cooperation and the total budget is **2 200 000 USD**.

[www.gapkadinurunu.org](http://www.gapkadinurunu.org)

Argande brand is established  
**2 000** women were employed in  
Batman.

Design and production workshops are  
made  
Day-care center is planned.





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Phase II: IPA 2016 Programme.

The capacity of women NGOs in 4 less developed regions (GAP Region, East Anatolia Region, east Black Sea Region and Central Anatolia Region) will be improved. Refugee women are among the target group.

Project will be implemented in 42 provinces.

Requested budget is **8 million euro**.



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**1500 successful and poor girls** from the southeastern region are supported with scholarships.

The resource arrived as scholarships to the region is **12 million TL**.



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Training of Trainers of Social Cohesion

In cooperation of GAP RDA and McDonald's Child Fund almost 120 000 children in **Şanlıurfa, Diyarbakır, Mardin, Gaziantep, Adıyaman and Batman** were checked and necessary treatments were made.

- 2 233 school children in Şırnak-Cizre were examined in 2014-2015 school period.
- Eye examinations are planned for 2015-2016 period in **Şanlıurfa**.



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**Training of Trainers of Social Cohesion**

The target of the project is to develop a training module for literacy specialized in preventive health issues.

In cooperation with the Ministry of Education, the module will be incorporated into the curriculum implemented in literacy programs developed for adults in rural areas.

The project is implemented by GAP RDA, Harran University Public Health Department.



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**Training of Trainers of Social Cohesion**

GAP Region institutional social responsibility draft report has been completed.

Safe SME Programme initiated by the World Trade Forum, Turkish Institutional Social Responsibility Organization and UPS Turkey will implement in GAP region.

Social responsibility project is developed with Dicle Electrics for energy efficiency in 5 provinces.





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**Training of Trainers of Social Cohesion**

GAP Research on the Health of Farmworkers is completed.

Impact analysis of ÇATOMs, children improvement centers and youth projects and strategic plan preparations are made.





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**Training of Trainers of Social Cohesion**

A social analysis regarding the human resources, social vulnerabilities and disadvantaged groups in GAP region will be carried out.

Within the project period (2015-2018), a workshop will be conducted to bring together experts from the Ministry of Development and three development Agencies in GAP region.



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**Improving Capacity of Management Personnel of Local Authorities in GAP Region**

**Training of Trainers of Social Cohesion**

Through the Project developed and implemented by GAP RDA with the cooperation of Turkish Heart Foundation, local health authorities and governorships, 20 000 school children will go through a heart examination every year, each year in a different province. At the end of the Project, 180 000 children will be checked in 9 provinces of GAP region.



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**Little Hearts Project**

**Improving Capacity of Management Personnel of Local Authorities in GAP Region**

**Training of Trainers of Social Cohesion**

Training needs of local authorities such as municipalities and provincial administrations in GAP region will be analysed and training programs will be implemented.

As part of the first phase, workshops were organized in 9 provinces to discuss the training needs of local personnel in GAP region in October and November 2015.



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**Improving Capacity of Management Personnel of Local Authorities in GAP Region**

**Training of Trainers of Social Cohesion**

In close collaboration of GAP RDA and UNICEF a training of trainers took place in 17-20 June 2015. Participants were Turkish and Syrian young men and women, and the training was on social cohesion, humanitarian help, volunteerism, fight with discrimination and social exclusion.



# **CULTURE, TOURISM AND INFRASTRUCTURE**



# CULTURE, TOURISM AND INFRASTRUCTURE

**Hasankeyf Historic and Archaeological Site, Research, Excavation and Rescue Project**

**Birecik Dam Lake River Tourism Project**

**GAP Region Tourism Based Promotion and Branding Project**

**Birecik Dam Lake Aşağı Çardak Creation of Recreation Areas Project**

**GAP Provinces Geothermal Research Project**

**Determination of Geothermal Reserves and Potential in Şanlıurfa Central Karaali and its around**

**Maps Works**

**Physical Planning Studies**

As part of GAP Project, Hasankeyf which will submerge under the Ilisu Dam Lake. In 1991 GAP administration has started to make allowance with the protocol signed between parties.



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The purpose of Birecik Dam Lake River Tourism Project that was initiated in accordance with the decision of GAP Regional Tourism Master Plan is to offer tourism to Dam Lake and its environment as a whole by allowing long-term lodging and to increase tourism revenues.

In “Lower Euphrates Basin Tourism Development Corridor and Action Plan (2014-2023) which is prepared by GAP Region Tourism Master Plan and İpekyolu Development Agency, settlement and plan decisions that take place in the scope of “Birecik Dam Lake River Tourism Project” has integrated and scheduled for area-oriented planning works.

In this case, it is predicted that after all opinions and suggestions between Provincial Bank and GAP Administration in August 2015, Ministry of Environment and Urban Planning and Ministry of Forestry and Water Affairs will be also part of this cooperation by doing this all parties will start the planning study.

# CULTURE, TOURISM AND INFRASTRUCTURE

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**Physical Planning Studies**

With integrated approach, the purposes of this project are preserving the region's cultural heritage, recovering tourism-oriented by observing preserving-using balance, increasing employment and tourism income, execute promotion and branding activity by ensuring continuity of tourism movement in a sustainable way.

GAP Region Tourism based Promotion and Branding Project is carried out under two sub headings: "Preparation of the Management Plan" and "GAP Region Promotion and Branding Office".

**Preparation of the Management Plan:** The working that preparation of Management Plan for Harran (Şanlıurfa) and Savur (Mardin) location as part of "Tourism Intended Cooperation Project which is signed by Provincial Bank and GAP Administration is in progress.

**GAP Region Promotion and Branding Office:** Tourism Branding Office has already established and has outsourced in Şanlıurfa by GAP Administration as open tender procedure. The office affairs are in progress.

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**Maps Works**

**Physical Planning Studies**

Subject to the Project that aims to recover Birecik Dam Lake and its around as a whole, it will establish recreation areas where used and shared by Gaziantep and Şanlıurfa Province, moreover it is predicted that within this project, map, development, landscaping project and all executions will be also started.

In this case, it is predicted that in August 2015 Provincial Bank and GAP Administration will contact to Ministry of Environment and Urban Planning and Ministry of Forestry and Water Affairs in order to be also part of this cooperation by doing this all parties will start the planning study.

# **CULTURE, TOURISM AND INFRASTRUCTURE**

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**Maps Works**

**Physical Planning Studies**

Within this project; by evaluating all data about geothermal area in GAP Region, geothermal areas' hydro chemical and hydro geologic feature will be identified, it will be sampling process for hydro chemical data. It will be isotopic and heavy metal analysis in geothermal area water and these received data will help to design modeling geothermal area formation mechanism and its feature by using hydro chemical programs.

In the light of upcoming information, it will be presented about geothermal resources' feature in GAP Region, available industry, and tangible data for improving.



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**Maps Works**

**Physical Planning Studies**

Several problems occurred due to the fact that Karaali greenhouses are gathered in some certain areas and wells are opened very close to each other. So water pressure decreased in the wells, water level declined, waste water was discharged into open fields and that caused environmental pollution. The problems are getting bigger and bigger because re-injection of the geothermal water cannot be provided.

In this context we aim to search geothermal sources of Karaali, provide the needs of investors, solve current problems, identify new well and re-injection well locations.

The project has been contracted and the fieldwork will start soon.



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**Maps Works**

**Physical Planning Studies**

104 maps have been procured, besides 15 project areas and maps have been completed

The coverage areas of maps completed is 172 000 hectares.





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**Maps Works**

**Physical Planning Studies**

Master plan of 70 settlements has been completed.

Master plan of 11 settlements are still being made.

Metropolitan planning of 12 settlements has been started and metropolitan planning of 5 settlements are being contracted.

1/25:000 scaled Nusaybin-Cizre-İdil-Silopi Irrigation Zone Sub-region Development Plan has been completed. This plan will direct social and economic change when irrigation starts in the region.

1. Phase geological and geotechnical investigation report
2. Phase current situation and synthesis report of 1/25:000 scaled Siverek-Hilvan Irrigation Zone Sub-region Development Plan have been completed.
3. Phase projection, aims and draft plan preparation of the same plan has been completed and is now under evaluation.

# SECTORAL OPPORTUNITIES

## PLANT PRODUCTION



- Favourable climatic conditions,
- 5 Crops in two years,
- Irrigation,
- Good quality and high variety of raw materials
- Contract farming opportunities

Specific investment opportunities in food processing & agro-based business

- Frozen, dried & packed fresh fruits & vegetables
- Tomato paste & other canned vegetables
- Vegetable oil
- Aromatic and medical plants and processing
- Bio-diesel from canola, safflower



# **SECTORAL OPPORTUNITIES**

## **ANIMAL PRODUCTION**



- **Integrated livestock, meat and milk production**
- **Highly feasible awassi lamb fattening potential**
- **Highly feasible beef fattening potential**
- **Highly feasible dairy cattle husbandry**
- **Meat and milk processing plants**
- **Cold storages for meat**



# SECTORAL OPPORTUNITIES

## AQUACULTURE PRODUCTION



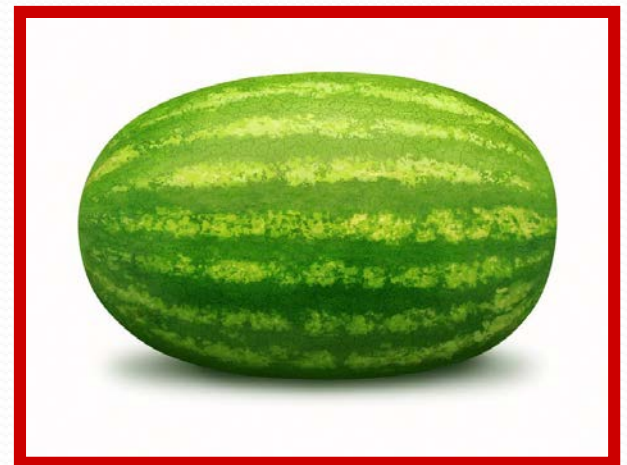
- River - 2 235 km
- Lake Area - 6 481 ha
- Existent Dam Lake Area - 129 787 ha
- Planned Dam Lake Area - 198 473 ha
- Share in country production - 0,22(%)
- Production (fishing hunting & farming) 32 500 tons/year
- Income - 50 million \$
- Employment - 6500

# SECTORAL OPPORTUNITIES

## ORGANIC AGRICULTURE



- Quality of land
- Newly irrigated areas
- Mine free areas
- Clustering works



# SECTORAL OPPORTUNITIES

## IRRIGATION SYSTEMS



- Large areas to be irrigated with closed systems
- Dams and canals
- Low pressurized systems
- Spring and dripping irrigation equipment





# SECTORAL OPPORTUNITIES

## TEXTILE AND CLOTHING



- Quality and quantity of raw material
- Business experience
- Skilled labour force
- Specialized yarn production and weaving
- Organic textile
- Outsourcing (fast made-to-order business)
- Local arts and crafts



# SECTORAL OPPORTUNITIES CONSTRUCTION MATERIALS

- Region's construction needs
- Transportation costs



# SECTORAL OPPORTUNITIES

## ENERGY

### Thermal;

- Purposes for heating, cooling, green houses and thermal tourism
- Modest investment- up to 100 megawatt
- Up to 80 C

### Wind Power;

- second best one for wind power (wind velocity 3,5-6,5 m/sec)
- Quite feasible area

**In addition to those, investments related to efficiency of energy usage such as renewing energy lines, waste treatment plant etc.**





# SECTORAL OPPORTUNITIES ENERGY

- Well shaped legislative infrastructure (eg. PPP, electricity from renewable energy sources)
- Private energy production
- Increasing energy needs



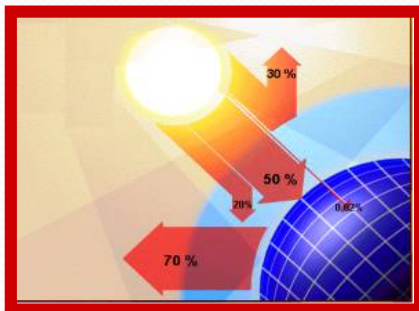
HYDROELECTRICITY



JEOTHERMAL



BIO FUEL



SOLAR



WIND

# OTHER RENEWABLE SOURCES

## BIO FUEL POTENTIAL IN THE GAP REGION

Provinces	Waste thermal value (GJ/year)			Electricity Energy Equivalent (*)					
	Animal	Vegetable	Total	Animal		Vegetable		Total	
				kWh/year	YTL/year	kWh/year	YTL/year	kWh/year	YTL/year
Adıyaman	395.106	3.927.957	4.323.063	110.629.726	20.245.240	1.099.827.972	201.268.519	1.210.457.698	221.513.759
Batman	161.728	1.501.240	1.662.968	45.283.936	8.286.960	420.347.071	76.923.514	465.631.008	85.210.474
Diyarbakır	1.105.466	8.440.214	9.545.680	309.530.468	56.644.076	2.363.259.892	432.476.560	2.672.790.360	489.120.636
Gaziantep	206.540	5.016.539	5.223.079	57.831.193	10.583.108	1.404.631.054	257.047.483	1.462.462.247	267.630.591
Kilis	22.966	556.036	579.002	6.430.535	1.176.788	155.690.118	28.491.292	162.120.653	29.668.080
Mardin	269.667	5.065.838	5.335.504	75.506.638	13.817.715	1.418.434.538	259.573.520	1.493.941.176	273.391.235
Siirt	106.620	475.000	581.620	29.853.543	5.463.198	133.000.106	24.339.019	162.853.649	29.802.218
Şanlıurfa	773.041	14.622.547	15.395.588	216.451.378	39.610.602	4.094.313.132	749.259.303	4.310.764.510	788.869.905
Şırnak	89.224	1.514.448	1.603.672	24.982.785	4.571.850	424.045.437	77.600.315	449.028.223	82.172.165
<b>Total</b>	<b>3.130.358</b>	<b>41.119.819</b>	<b>44.250.177</b>	<b>876.500.202</b>	<b>160.399.537</b>	<b>11.513.549.320</b>	<b>2.106.979.526</b>	<b>12.390.049.523</b>	<b>2.267.379.063</b>

TOTAL BIO FUEL ENERGY EQUIVALENT

1.4 ATATÜRK DAM (8 900 GWH/Year)

5 BİRECİK DAM (2 518 GWH/Year)



# SECTORAL OPPORTUNITIES

## MINING AND INDUSTRIAL MACHINERY



### MINING

- Large proven and potential marble reserves,
- Reserves for both medium and high-quality needs of global marble industry;
- Many unprocessed mines (copper etc.)

### INDUSTRIAL MACHINERY

- Rapid industrialization



# SECTORAL OPPORTUNITIES

## HEALTHCARE



- Local and regional needs
- Limited number of private hospitals in the region
- Geo-thermal resources



# SECTORAL OPPORTUNITIES

## TOURISM AND ENTERTAINMENT AND GIFTWARE



### TOURISM AND ENTERTAINMENT

- Cultural and eco-tourism,
- Religious tourism (Muslims, Jews and Christians)
- Insufficient hosting capacity
- Investment needs 1 billion \$

### GIFTWARE

- Local motives
- Silver, rugs and other handcrafts



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# **Competitiveness Agenda for the GAP Region**

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# COMPETITIVENESS AGENDA FOR THE GAP REGION

- **Vision:**  
Cradle of Sustainable Civilizations
- **Objective:**  
To enable the Region to integrate to global markets with a unique value proposition.
- **Result:**  
Identification of major sectors which will make the Region a trademark:
  - \* Renewable energy
  - \* Tourism
  - \* Organic Agriculture - Organic Textile – Organic Clothing



# COMPETITIVENESS AGENDA FOR THE GAP REGION

Renewable Energy

Applied R&D Centers

Re-branding the Region

Internationalization

Entrepreneurship and Clustering

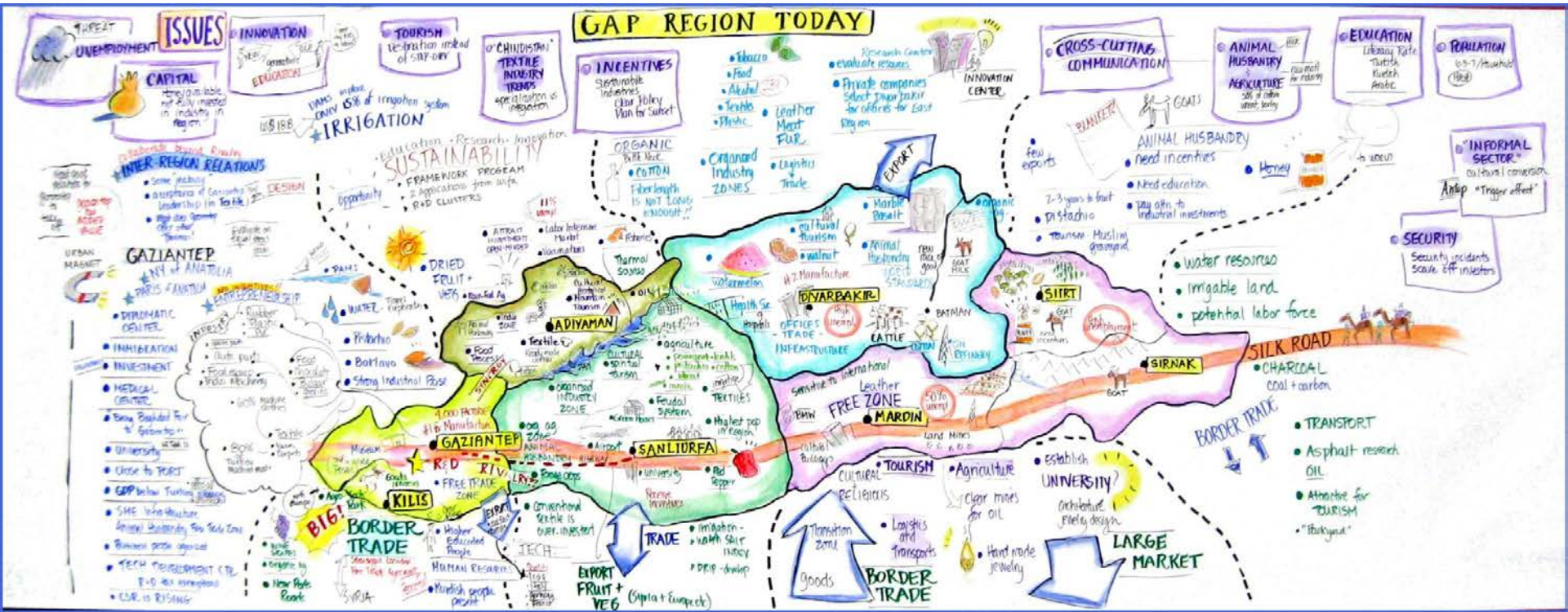
Improving the skills base

- **Tourism:** Explore the ancient history with zero carbon footprint...
- **Food:** Organic and environment-friendly...
- **Clothing:** Organic and environment-friendly...
- ... targeting high-income consumers with a high value-added and hard-to-imitate value proposition





# Stocktaking



# Preferred Future

## GAP REGION

### ELEMENTS of the VISION



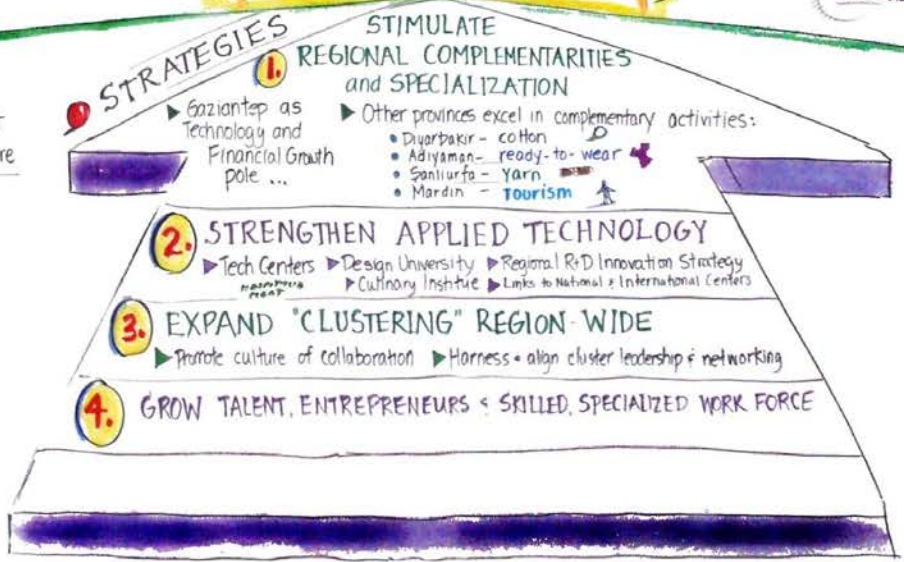
### VALUES

- ▶ Preserve our heritage
- ▶ Authenticity

### ISSUES

- ▶ Business Climate
- ▶ Finance
  - Grants + Programs
  - Access to Finance
- ▶ Water Management
- ▶ Incentive Structure

### STRATEGIES



#### 1. STIMULATE REGIONAL COMPLEMENTARITIES and SPECIALIZATION

- ▶ Gaziantep as Technology and Financial Growth pole ...
- ▶ Other provinces excel in complementary activities:
  - Diyarbakir - cotton
  - Adiyaman - ready-to-wear
  - Sanliurfa - Yarn
  - Mardin - Tourism

#### 2. STRENGTHEN APPLIED TECHNOLOGY

- ▶ Tech Centers
- ▶ Design University
- ▶ Regional R+D Innovation Strategy
- ▶ Culinary Institute
- ▶ Links to National + International Centers

#### 3. EXPAND "CLUSTERING" REGION-WIDE

- ▶ Promote culture of collaboration
- ▶ Harness + align cluster leadership + networking

#### 4. GROW TALENT, ENTREPRENEURS + SKILLED, SPECIALIZED WORK FORCE

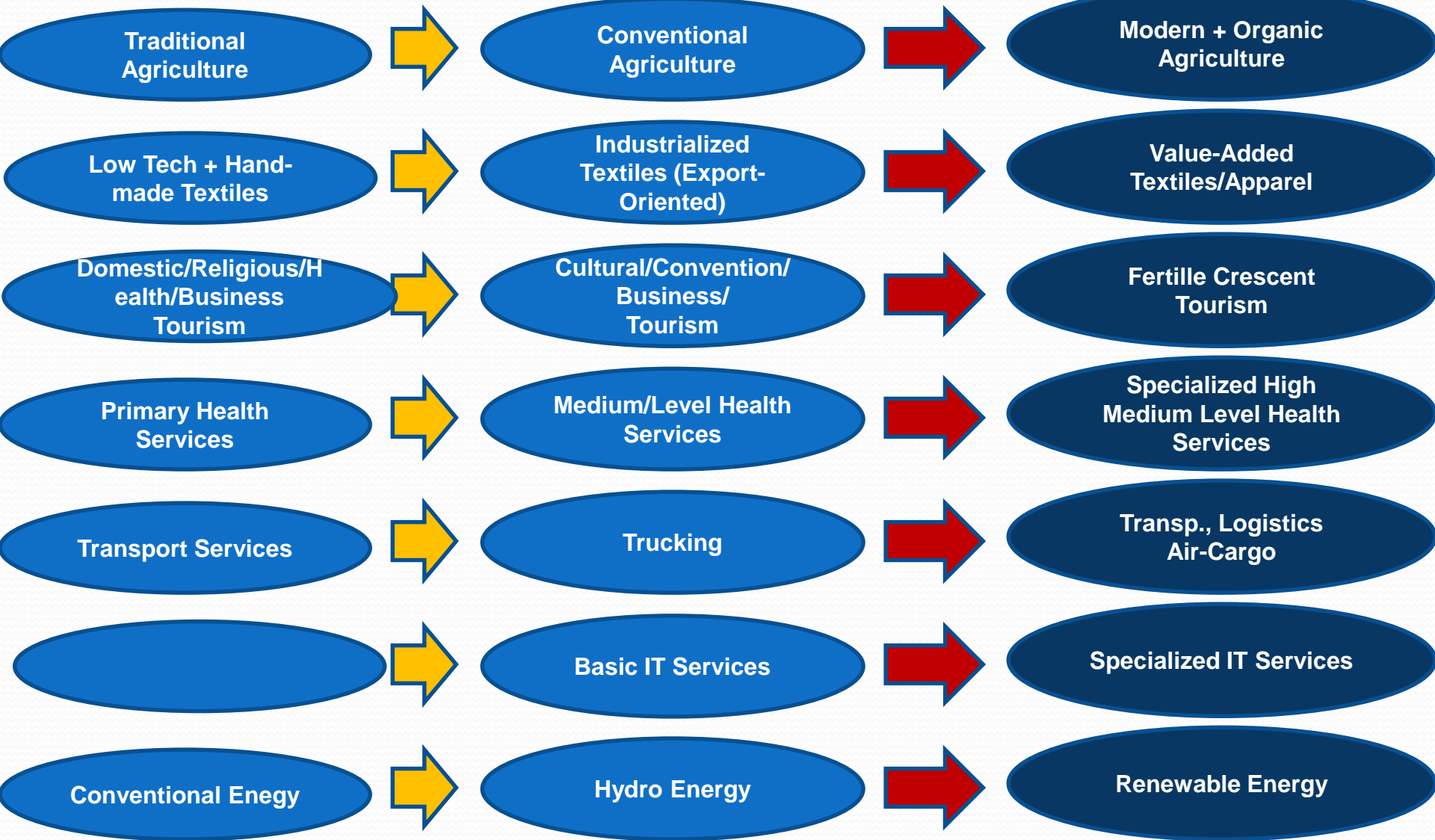


# THE GAP REGION OF TOMORROW

## Yesterday (1970's)

## Today

## Tomorrow (2023)







[www.gap.gov.tr](http://www.gap.gov.tr)

**THANKS**

