



SOUTHEASTERN ANATOLIA PROJECT (GAP) SUSTAINABLE HUMAN DEVELOPMENT



PRIME MINISTRY OF TURKEY

GAP REGIONAL DEVELOPMENT ADMINISTRATION



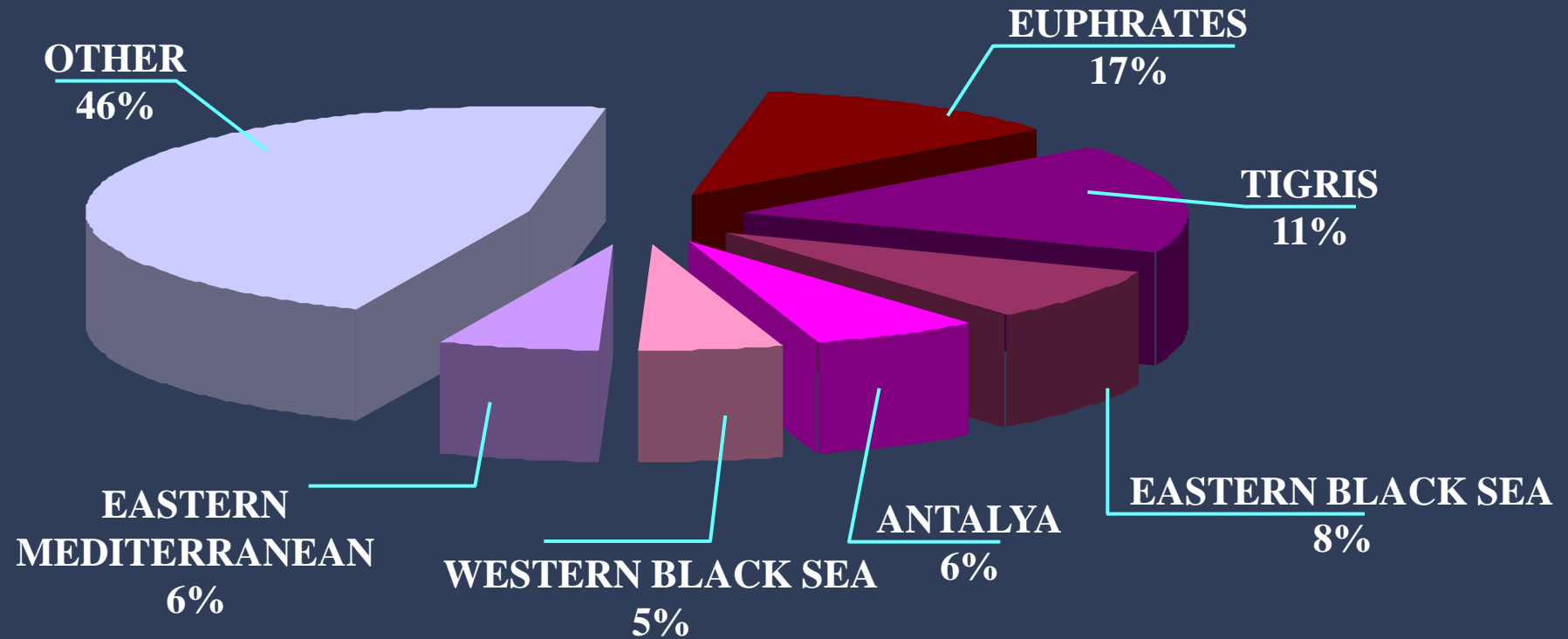


COMPARISON OF GAP REGION AND TURKEY

	TURKEY	GAP	GAP/TR
TOTAL AREA (km ²)	780.000	75.000	9.7 %
POPULATION(2000)(million)	67.8	6.6	9.7%
POPULATION GROWTH RATE PER ANNUM	1.8	2.5	



TURKEY'S WATER POTENTIAL BY BASIN



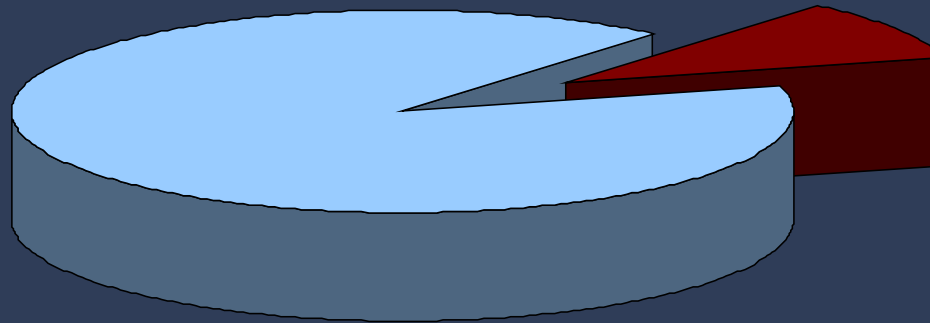
Average annual flow, billion m³

Other	86.2	Eastern Black Sea	14.9
Euphrates	31.6	Antalya	11.1
Tigris	21.3	East Mediterranean	11.1
		Western Black Sea	9.9



LAND POTENTIAL

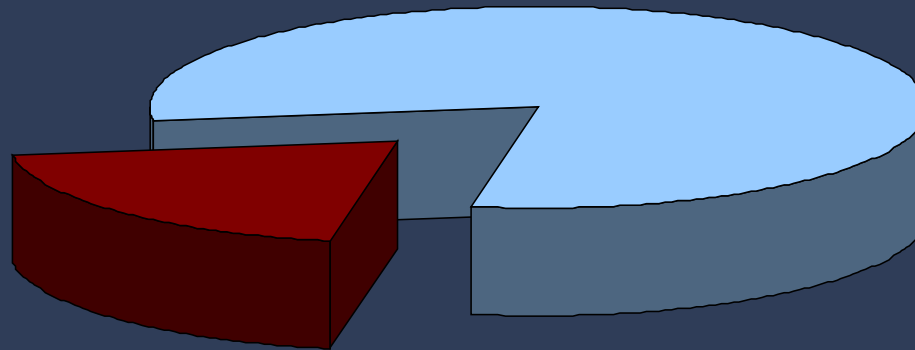
OTHER
90,3 %



GAP REGION
9,7 %

TOTAL AREA

GAP REGION
20%



OTHER
80%

ECONOMICALLY IRRIGABLE LAND



REGION'S CONTRIBUTION TO TURKEY

	1985 *	2000**
Agriculture	9 %	11%
Manufacturing	2 %	3,5%
Services	5 %	4,6%
Gross National Product	4 %	5,1%

* GAP Master Plan

**2000 year values calculated from DİE provisonal data.



SOUTHEASTERN ANATOLIA PROJECT

This project is an effort which aims at improving land, water and human resources in order to provide:

✓ Integrated

✓ Socio-economic

✓ Sustainable

human development on a regional scale



GAP LAND AND WATER RESOURCES DEVELOPMENT PROJECT

Euphrates River Basin

- 1. Karakaya Dam./HES**
- 2. Lower Fırat**
- 3. Border Fırat**
- 4. Suruç – Baziki**
- 5. Adıyaman – Kahta**
- 6. Adıyaman – Göksu – Araban**
- 7. Gaziantep**

Tigris River Basin

- 1. Dicle - Kralkızı**
- 2. Batman**
- 3. Batman - Silvan**
- 4. Garzan**
- 5. Ilısu**
- 6. Cizre**

Total 22 dams, 19 HPP

1.7 million ha, 7,495 MW, 27 billion kWh



GAP COVERS ALL DEVELOPMENT SECTORS INCLUDING

Agriculture

Industry

Transportation/Communication

**Urban/ Rural
Infrastructure**

Health

Education

Tourism





EXPECTED CHANGES WITH GAP

- ✓ 445% Increase in GRP
- ✓ 209% Per capita income
- ✓ Employment for 3.8 million people





INTERIM RESULTS OF DEVELOPMENT

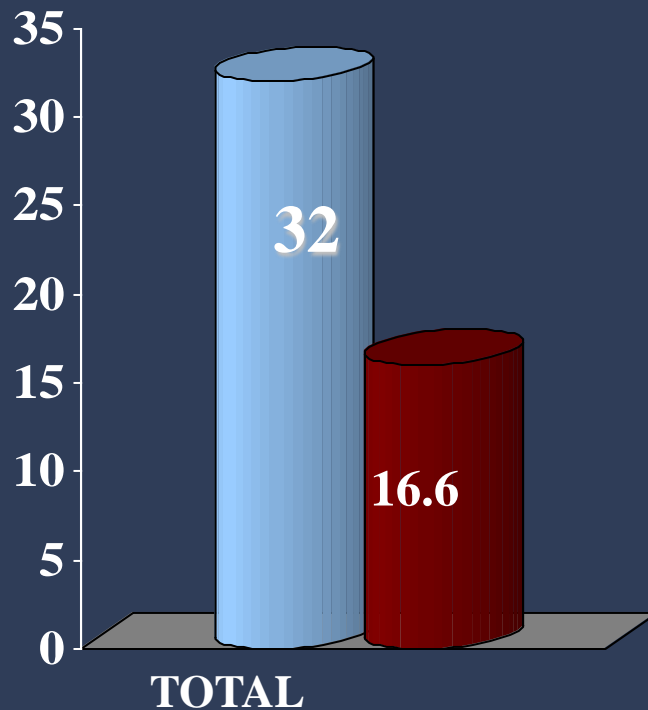




FINANCIAL ASPECTS OF GAP

(US \$32 billion)

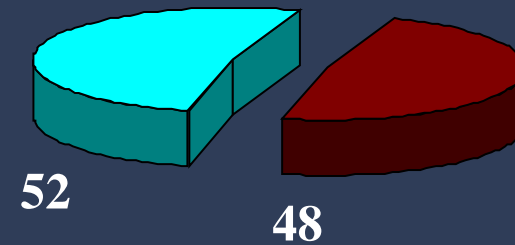
Billion \$US



Requirement

Expenditure

REALIZATION (%)



Expenditure

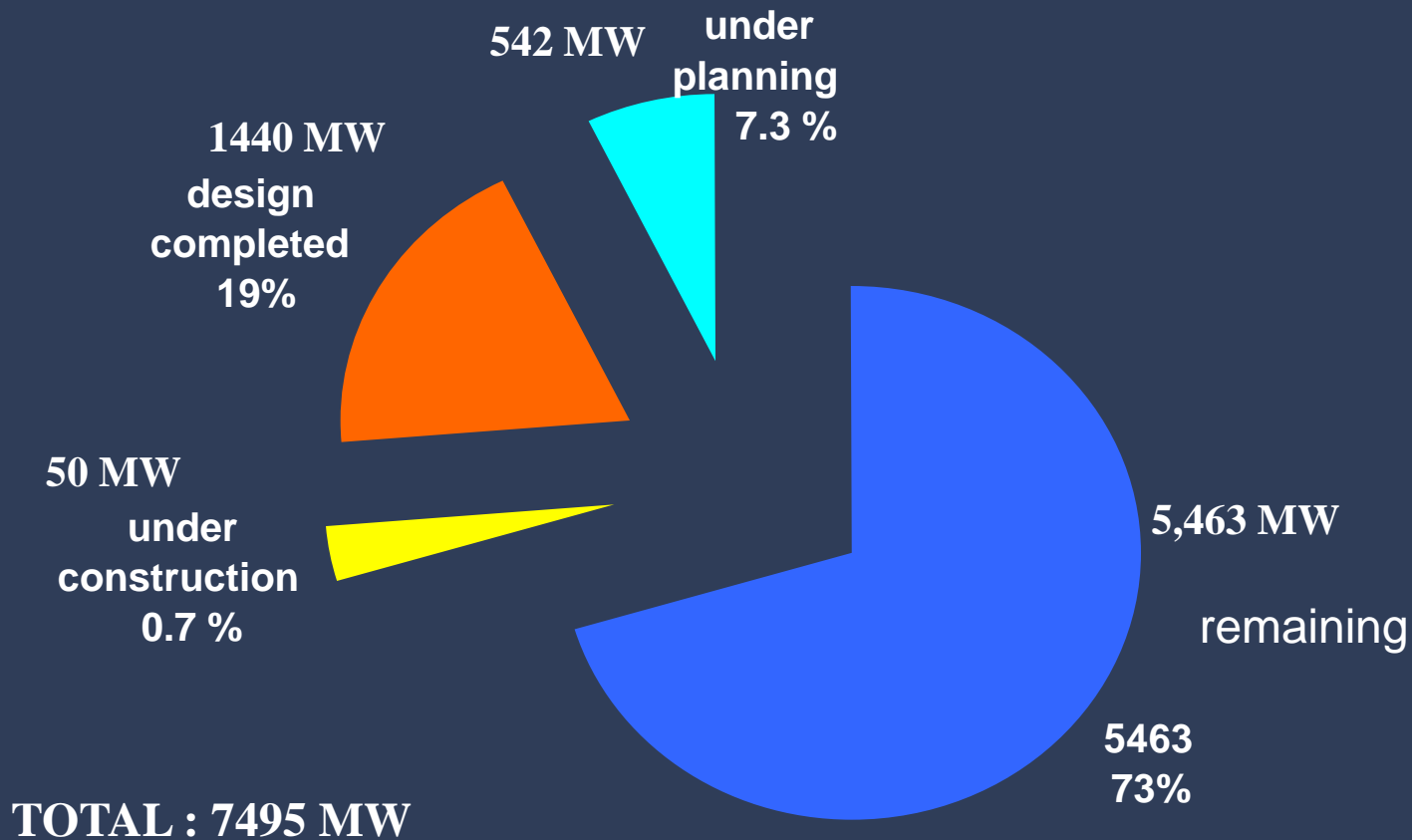
Remaining

By the end of 2003



HYDROPOWER ENERGY GENERATING PROJECTS

Installed Capacity



Total electricity revenues at the end of 2003 were US \$12,7 billion



GAP'S HYDROPOWER ENERGY REVENUES

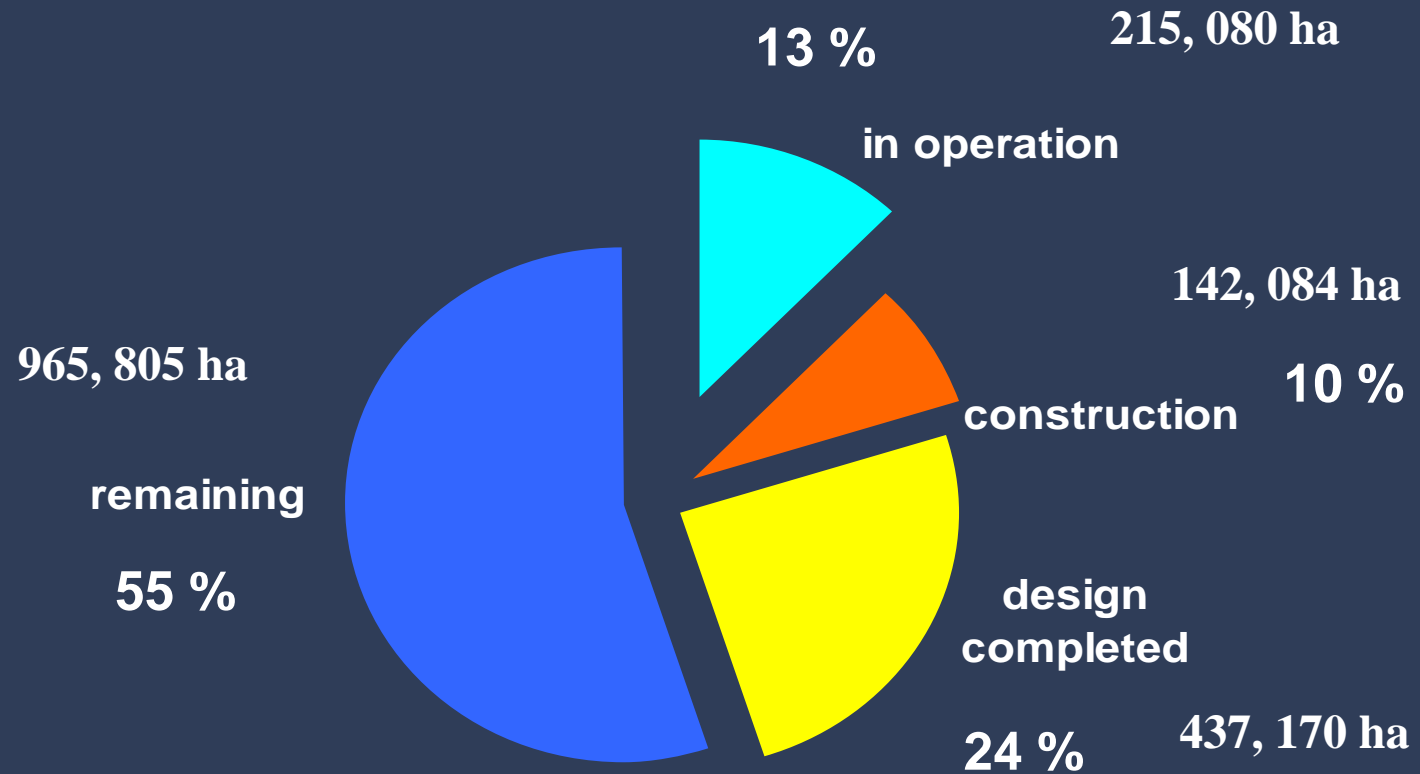
(2003)

	production billion kWh	Value equivalent US \$ million
Batman	0.12	7
Karakaya	6.94	416
Atatürk	5.77	346
Kralkızı	0.09	5
Karkamış	0.32	19
Dicle	0.21	13
Birecik	1.88	113
GAP	15.32	919

1kWh = 6 cents

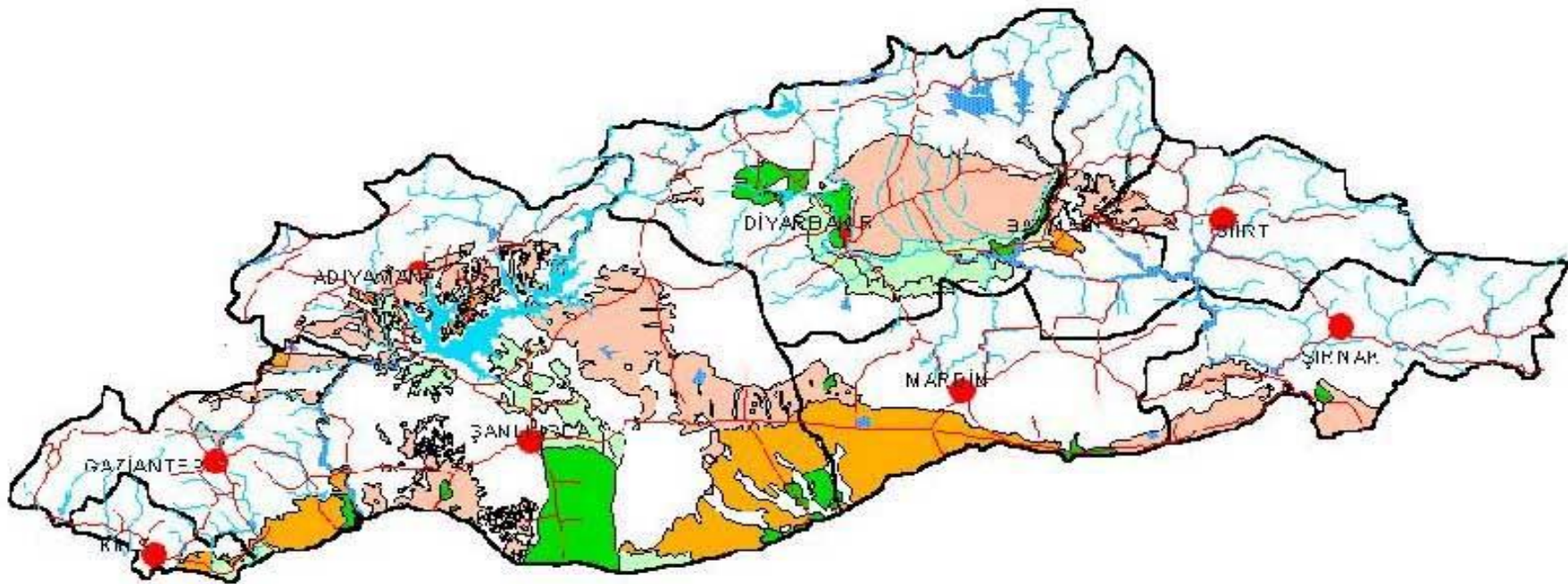
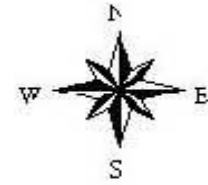


GAP IRRIGATION PROJECTS



**MAJOR PROJECTS : 1 674 300 ha, INDIVIDUAL : 86 750 ha , TOTAL: 1 761 050 ha
AS OF END OF 2003**

IRRIGATED AREAS IN GAP REGION



Ölçek : 1/1 000 000





SAMPLE AREA

April 1995-2003

Harran Plain

121,400 ha

117,665 people

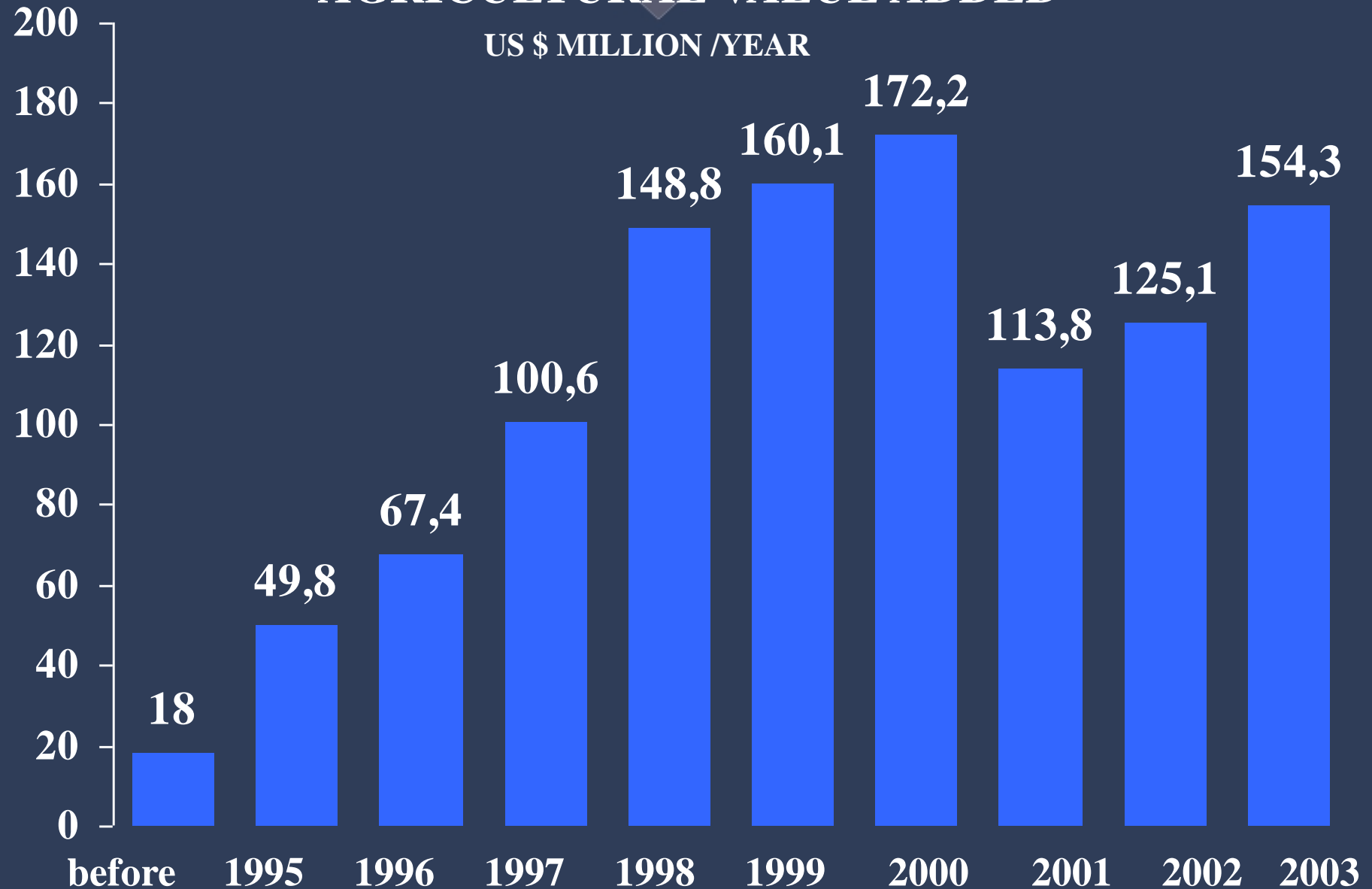
18.405 land owners

107 villages



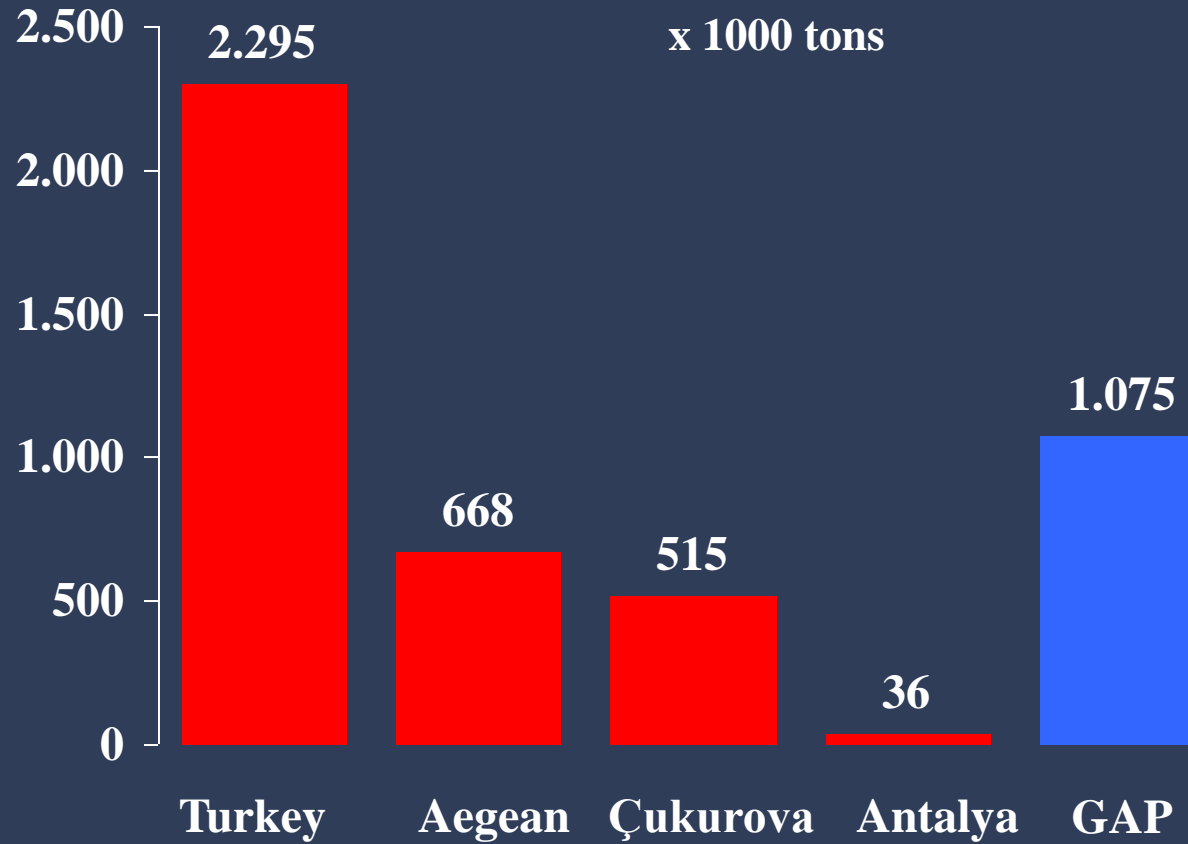
AGRICULTURAL VALUE ADDED

US \$ MILLION /YEAR





COTTON PRODUCTION



*source: DİE & MARA, 2003



DEVELOPMENT IN MANUFACTURING SECTOR

(Number of plants has more than doubled between 1995-2000)

	Pre-1995 Total	1995-1998	1998-2000	Total
ADİYAMAN	42	36	9	88
DİYARBAKIR	72	58	43	173
MARDİN	35	12	33	80
ŞANLIURFA	78	84	23	185
TOTAL	227	190	108	526

Source: GAP-GİDEM



GAP REGIONAL DEVELOPMENT ADMINISTRATION

GAP
T.C. BAŞBAKANLIK
GÜNEYDOĞU
ANADOLU
PROJESİ
BÖLGE
KALKINMA
İDARESİ
BAŞKANLIĞI

GAP
REPUBLIC OF
TURKEY
PRIME
MINISTRY
SOUTHEASTERN
ANATOLIA
PROJECT
REGIONAL
DEVELOPMENT
ADMINISTRATION



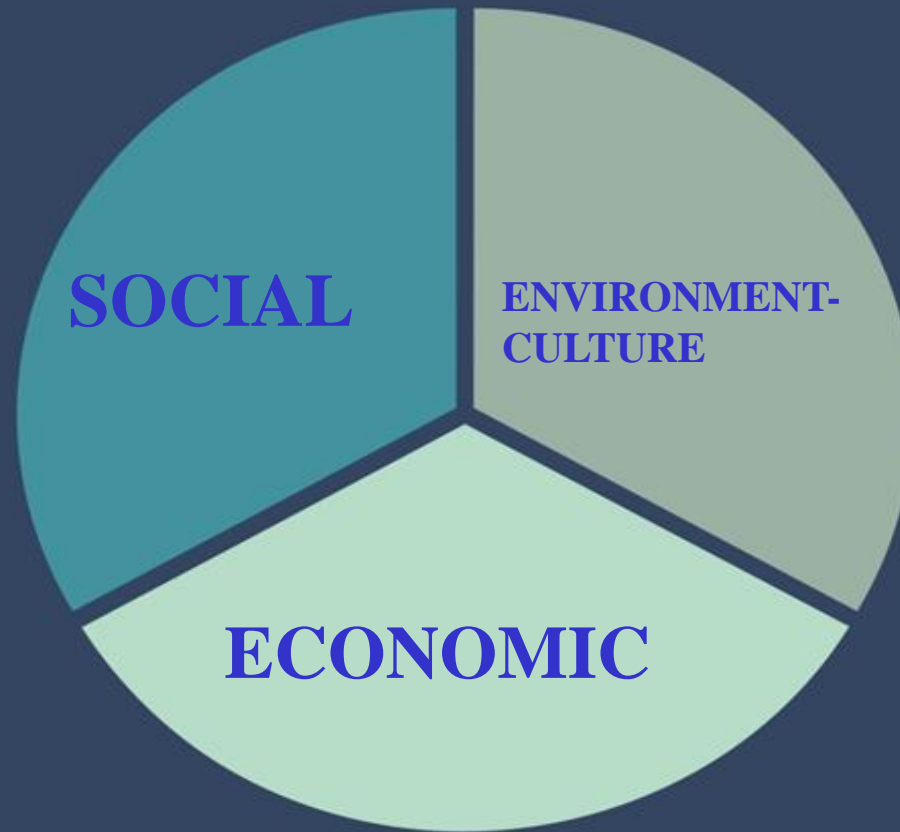


SUSTAINABLE HUMAN DEVELOPMENT

To create a context for optimizing natural and human resources, ensuring sufficient resources for the needs of future generations, and realizing people's preferences and economic potential.

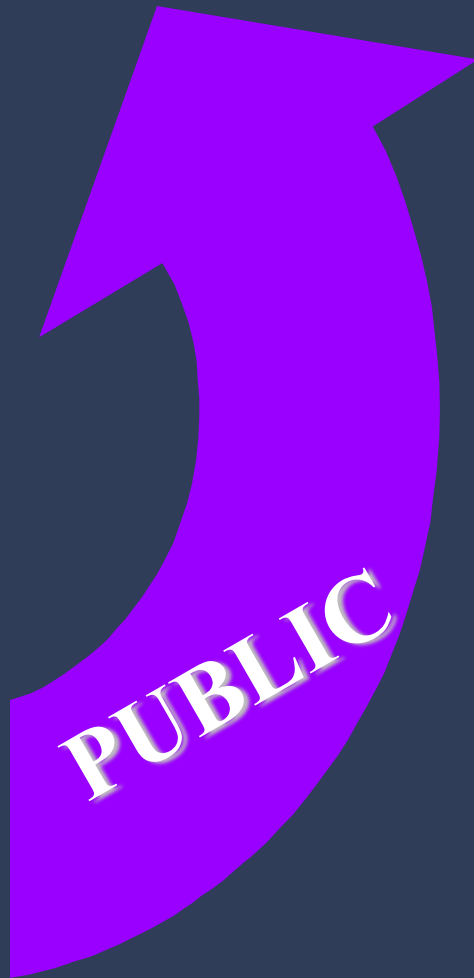


THE PHILOSOPHY OF GAP





THREE PILLARS TO SUSTAINABLE DEVELOPMENT





GRASSROOTS, LOCAL AND NGO PARTICIPATION

- ✓ Municipalities
- ✓ Irrigation Unions
- ✓ Youth
- ✓ Women
- ✓ Landless or small farmers



GRASS ROOTS, LOCAL AND NGO PARTICIPATION

- ✓ Media
- ✓ Private Sector
- ✓ Universities
- ✓ Research Institutes
- ✓ Unions
- ✓ NGOs
- ✓ Professional Societies



REGIONAL DEVELOPMENT PLAN

✓ **PARTICIPATION**

✓ **SUSTAINABLE HUMAN DEVELOPMENT**



GAP'S CHANGING DIRECTION: VISION

- ✓ **Human Resources Developed**
- ✓ **Traditional Dependency Structures Resolved**
- ✓ **Openness**
- ✓ **Participation**
- ✓ **Conditions for Sustainable Development Established**
- ✓ **Creation of a Modern Society**



ÇATOM

GAP-GİDEM

YOUTH TO YOUTH

RESETTLEMENT

MALARIA CONTROL SERVICES

REHABILITATION OF WORKING CHILDREN

INVESTMENT PROMOTION CENTERS

INCOME GENERATION PROJECTS

**PROJECTS FOR
HUMAN
DEVELOPMENT**



OUR MODEL PROJECTS



GAP GİRİŞİMCİ DESTEKLEME VE
YÖNLENDİRME MERKEZLERİ





MULTI PURPOSE COMMUNITY CENTERS FOR WOMEN (ÇATOM)

28 CENTERS

Number of participants:

85,000





YOUTH TO YOUTH SOCIAL DEVELOPMENT PROJECT

**MARDİN, DİYARBAKIR, ŞANLIURFA, ADIYAMAN &
BATMAN YOUTH AND CULTURE CENTERS**

**COURSES IN PAINTING, MUSIC, DRAMA, COMPUTER AND
ENGLISH, UNIVERSITY PREPARATION
(NUMBER OF YOUTH REACHED-14.316)**





OBJECTIVES

Improvement of youth initiatives

Self-motivation & confidence

Participation in social development

Youth & Culture Centers

Youth Committees

Institutional Recognition

Solidarity among youth



CENTER
for
CHILDREN WORKING IN THE STREETS
DIYARBAKIR
ADIYAMAN





CENTER for CHILDREN WORKING IN THE STREETS

- ✓ EDUCATION**
- ✓ SOCIAL ACTIVITIES**
- ✓ HEALTH SERVICES**

IN 2002 150 CHILDREN REFERRED TO REGIONAL BOARDING SCHOOLS

A TOTAL OF 1526 CHILDREN REACHED in 2003



DİYARBAKIR

CHILDRENS MEDIA CENTERS

**EDUCATIONAL SUPPORT FOR AT
LEAST ONE HUNDRED CHILDREN PER
DAY**



ENVIRONMENTAL PROJECTS



✓RE-USE OF URBAN WASTE WATER

✓DEVELOPMENT PLANS

✓URBAN PLANNING AND SANITATION

✓FIGHTING TROPICAL DISEASES

✓DISINFECTING OF DRINKING WATER

✓ADIYAMAN ECOCITY PLANNING



GAP BIODIVERSITY PROJECT

ENVIRONMENTAL EDUCATION PROTOCOL COOPERATION PROTOCOL FOR WILDLIFE PROJECT

TURKEY WILDLIFE PROTECTION FOUNDATION





TYPES& FIGURES OF ACTIVITIES REALIZED BY GIDEM PROJECT (During 2003-2004)

TRAINING/SEMINAR (UNIT)	42
TRAINING/SEMINAR (ATTENDANTS) entrepreneurs)	2034 (businessman, NGO,
TRAINING/SEMINAR (SUBJECTS) Trade, Investment opportunities, financial management, sector specific issues	
CONSULTANCY SERVICES	451
(of investor, company, entrepreneur, NGO received service)	
INFORMATION SERVICES	640
(of investor, company, entrepreneur, NGO received service)	
FIRMS DIAGNOSED DURING BUSINESS DIAGNOSTICS	160
FIRMS RECORDED INTO GIDEM DATA BANK	1300



AGRICULTURAL RESEARCH AND IMPLEMENTATION PROJECTS





PROJECT GROUPS

- ✓ WATER RESOURCES
- ✓ MECHANIZATION
- ✓ ECONOMICAL STUDIES
- ✓ RESEARCH
- ✓ FORESTRY
- ✓ NON-IRRIGATED AREAS
- ✓ ANIMAL HUSBANDRY

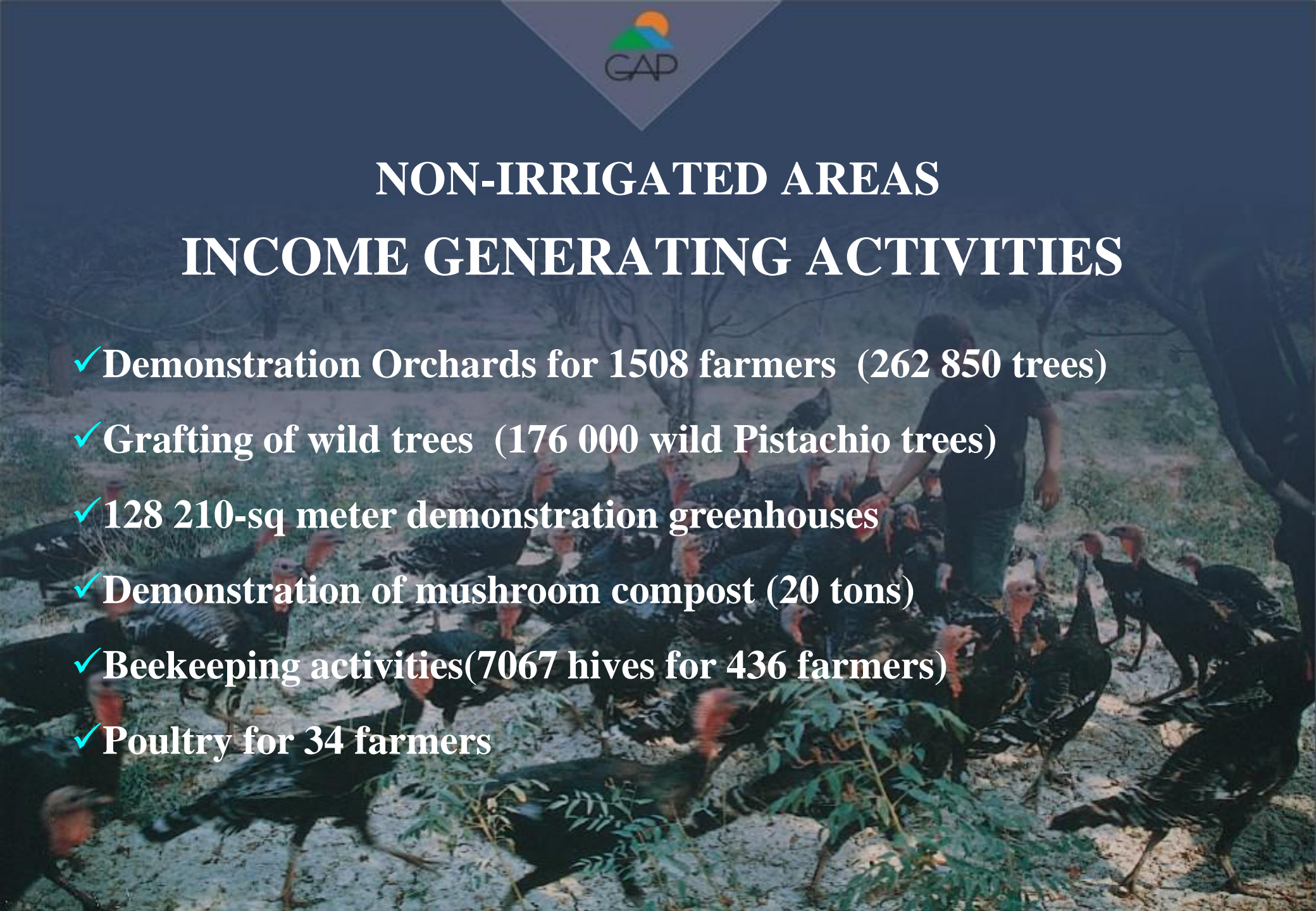




NON-IRRIGATED AREAS

INCOME GENERATING ACTIVITIES

- ✓ Demonstration Orchards for 1508 farmers (262 850 trees)
- ✓ Grafting of wild trees (176 000 wild Pistachio trees)
- ✓ 128 210-sq meter demonstration greenhouses
- ✓ Demonstration of mushroom compost (20 tons)
- ✓ Beekeeping activities(7067 hives for 436 farmers)
- ✓ Poultry for 34 farmers





ANIMAL HUSBANDRY

- ✓ **DEVELOPMENT OF FODDER CROPS**
- ✓ **FEED LOTS**
- ✓ **CONTRACT FARMING**





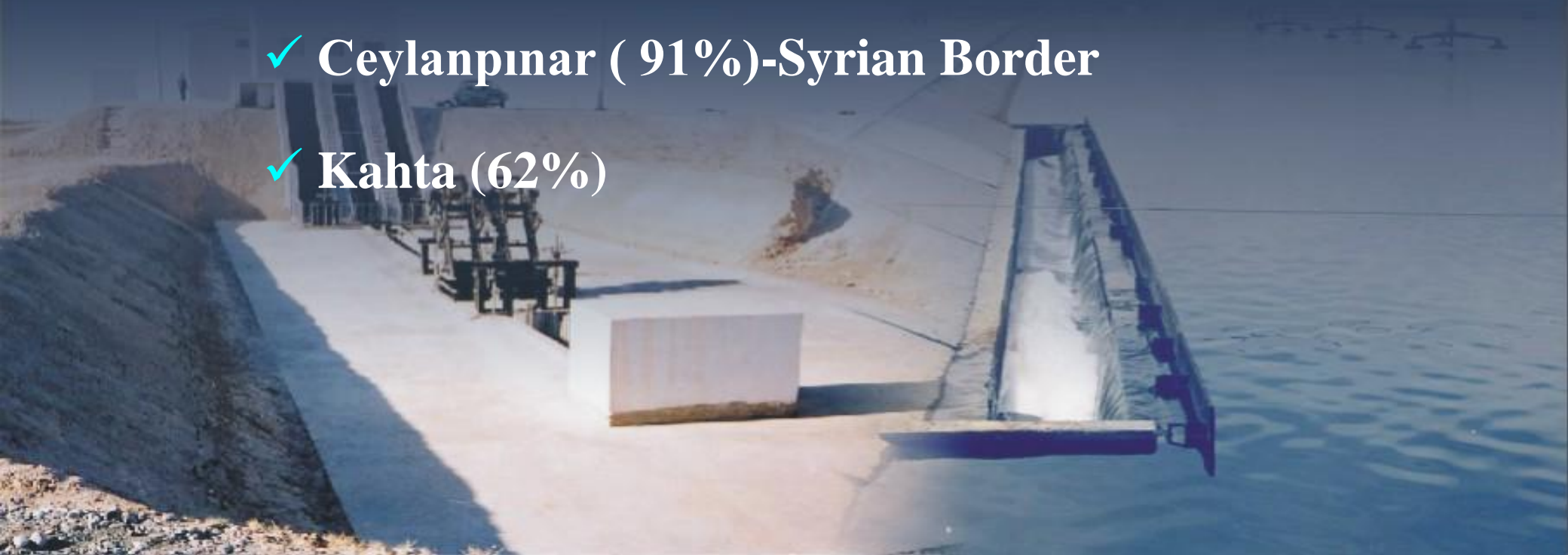
INFRASTRUCTURE ACTIVITIES

- ✓ MAPPING
- ✓ PLANNING
- ✓ DRINKING WATER - SEWERAGE



CONSTRUCTION ACTIVITIES (SEWAGE AND TREATMENT PLANT)

- ✓ Akçakale (Completed)-Syrian Border
- ✓ Ceylanpınar (91%)-Syrian Border
- ✓ Kahta (62%)





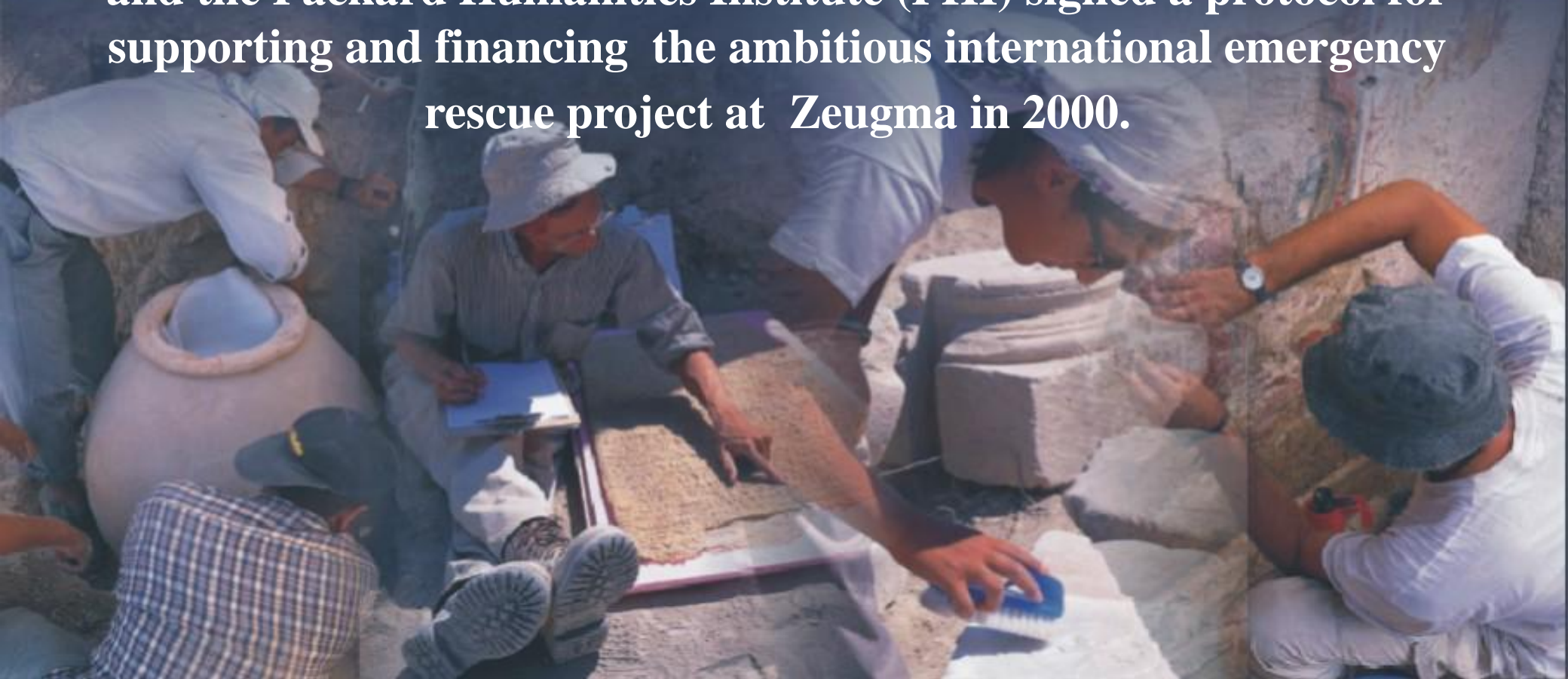
ACTIVITIES IN CULTURE

- PROTECTION PLAN FOR ANCIENT TOWN OF ACIRLI**
- RESEARCH ON IMMOVABLE CULTURAL ASSETS IN BIRECIK, HALFETI and SURUC**
- RESEARCH, EXCAVATION AND RESCUE WORKS IN THE TOWN OF HASANKEYF**
- ZEUGMA 2000 ARCHEOLOGICAL PROJECT**



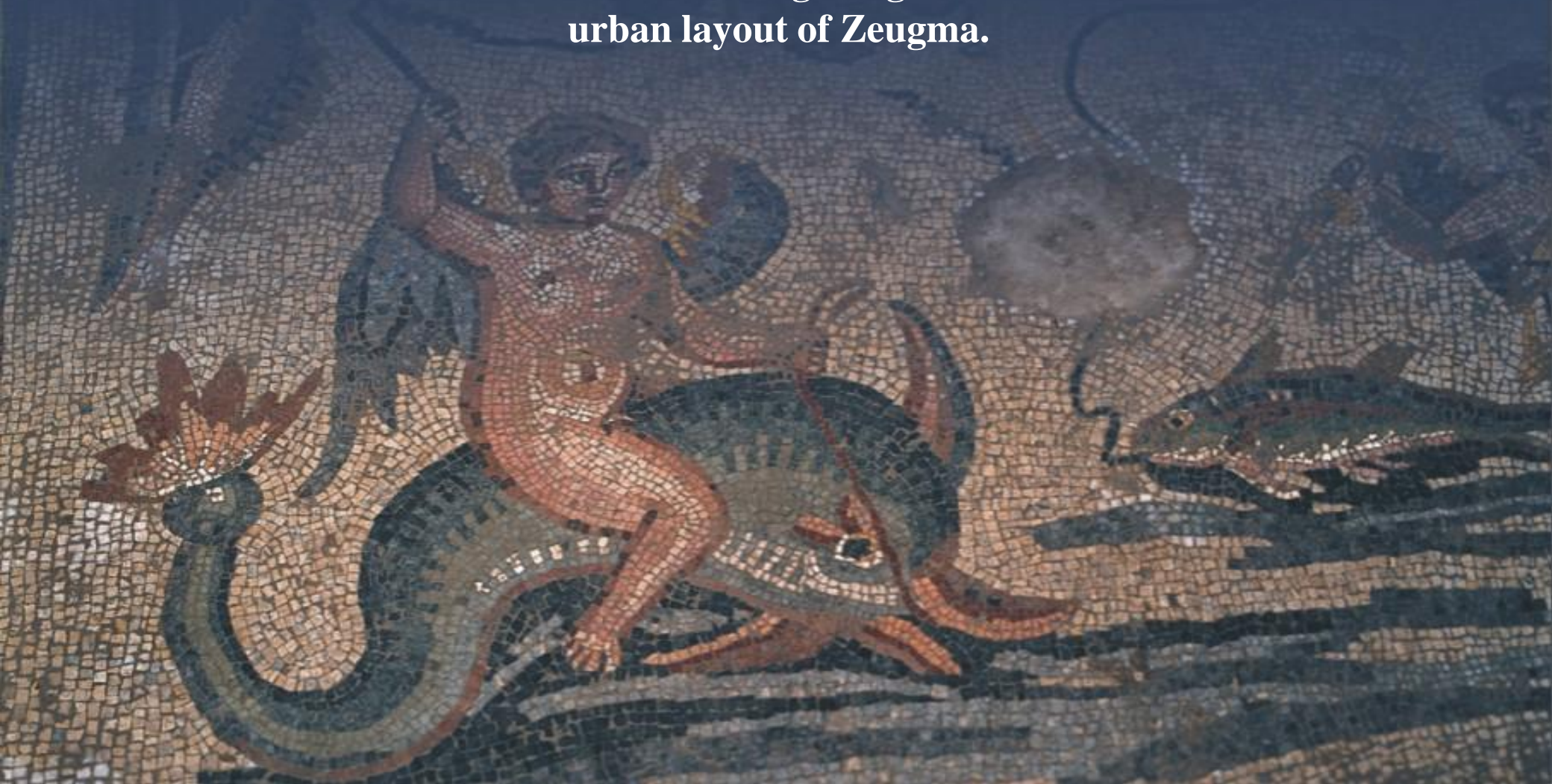
ZEUGMA 2000

Under the auspices of Turkish Ministry of Culture, the Southeastern Anatolia Project Regional Development Administration (GAP-RDA) and the Packard Humanities Institute (PHI) signed a protocol for supporting and financing the ambitious international emergency rescue project at Zeugma in 2000.





From June to 4 Sept 2000, more than 100 archaeologists, and approximately 250 other workers collaborated to bring to light valuable information on the urban layout of Zeugma.





INTERNATIONAL RELATIONS





- ✓ UNDP- United Nations Development Program
- ✓ FAO- United Nations Food and Agriculture Organization
- ✓ ILO- International Labour Organization
- ✓ UNICEF- United Nations Children Fund
- ✓ WHO - World Health Organization
- ✓ World Bank
- ✓ UN Industrial Development Organization





GRANTS TO GAP RDA

US Dollars

US Trade & Development Agency	720.000
	377.000
Canada International Development Agency	284.000
	249.000
US National Institutes of Health	150.000
Government of France	187.266
	540.000
World Health Organization (WHO)	200.000
JDC (USA)	45.000
World Bank, Government of Austria	300.000
	264.000
UN Food & Agriculture Organization (FAO)	186.000
Government of Israel	120.000
International Labour Organisation (ILO)	60.000

TOTAL

3.926.266



UNDP

Strengthening Integrated Regional Development and Reducing Socio-Economic Disparities in the GAP Region

(Sustainable Development Program)

Sustainable Development Program (UNDP)	\$ 5.9 million
• Government of Turkey	\$ 2.4 million
• UNDP	\$ 1.3 million
• Others	\$ 2.2 million



GAP-EU COLLABORATION

47 million Euro

- ✓ **Rural Development**
- ✓ **Protection of Cultural Heritage**
- ✓ **Small & Micro Enterprises**



MEMORANDA OF UNDERSTANDING

- ✓ ICARDA
- ✓ IWMI
- ✓ Arizona State Univ
- ✓ HASNA (USA)
- ✓ San Diego State Univ
- ✓ Kent State Univ
- ✓ Portland State Univ
- ✓ Oklahoma State Univ
- ✓ Teksas State University
- ✓ TVA
- ✓ PHI
- ✓ TOSHKA (Egypt)
- ✓ CHIEAM-BARI (Italy)
- ✓ Vardar Project (Fmr. Yugoslav
Rep. of Macedonia)
- ✓ GOLD (Syria)
- ✓ MASHAV (Israel)



**PROPOSALS FOR
RECONSTRUCTION ASSISTANCE
TO AFGHANISTAN, IRAQ, WEST
BANK & GAZZA**



Proposal package covers the following areas:.

Education

Health

Infrastructure

Women

Youth

Children

Disadvantaged groups



www.gap.gov.tr