

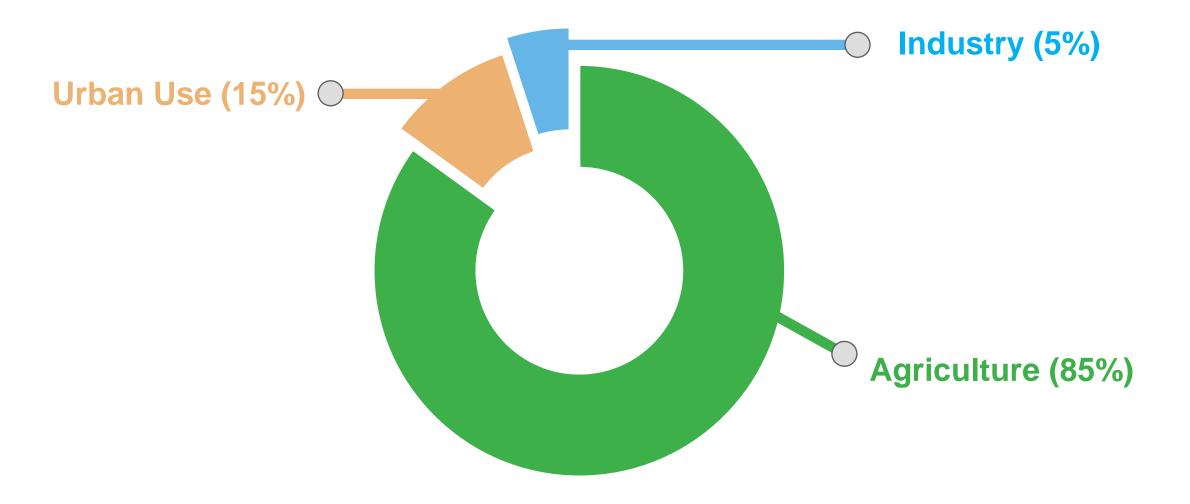
AgrEconLab

Greek National Action Plan on mitigating the negative impacts of water scarcity through Sustainable Public-Private Partnerships

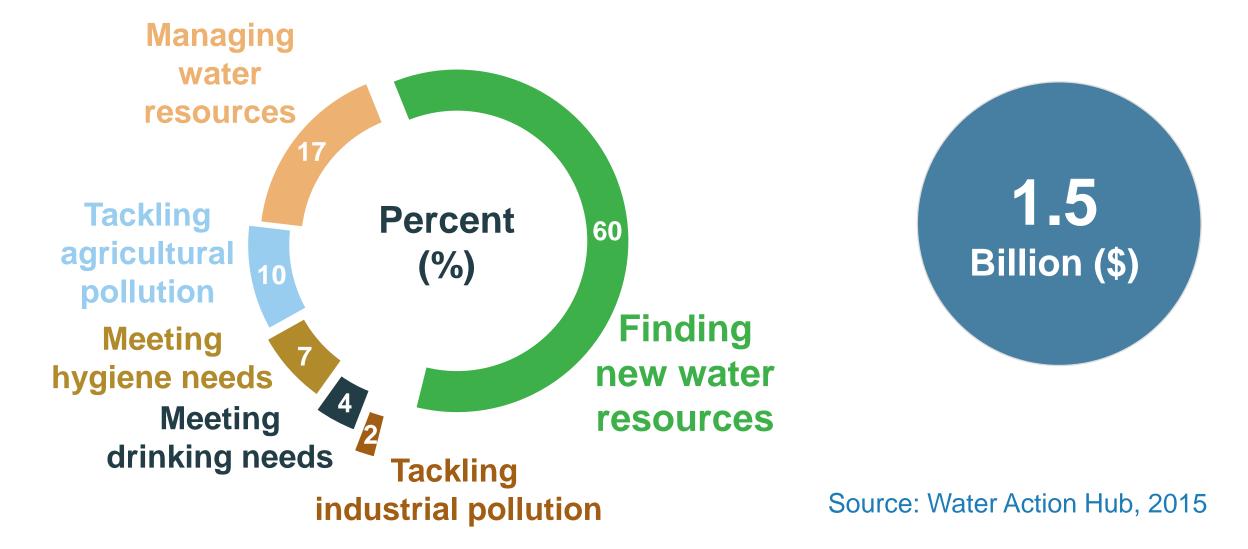
-G. Vlontzos



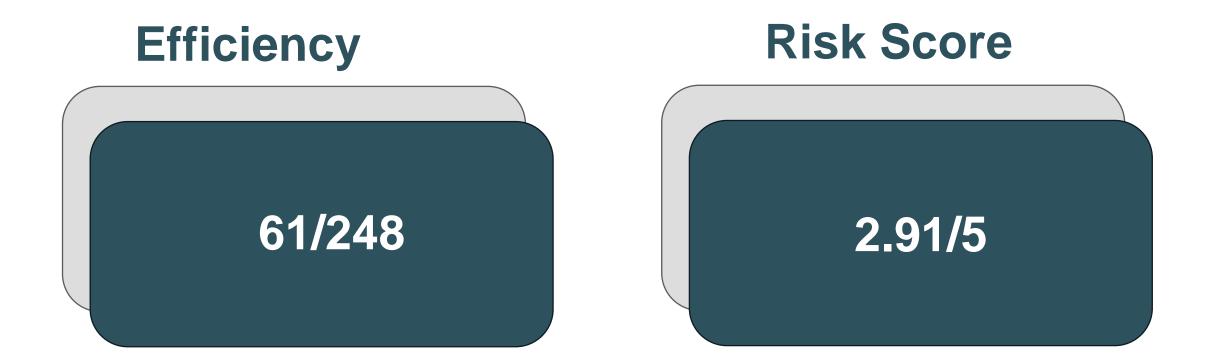
Problem Definition What are the main uses of water?



Problem Definition Annual maintenance cost of water use infrastructure



Risk mitigation and efficiency ranking Global position of Greece



Source: Water Action Hub, 2015

Macroeconomic Data Impacts on national economy

	Agriculture	Tourism	Industry
Population- People (%)	461,000 (11)	700,000 (16)	283,000 (3)
GDP Contribution (%)	3.5	13	18.2
Turnover (Billion €)	14	28.5	39.6

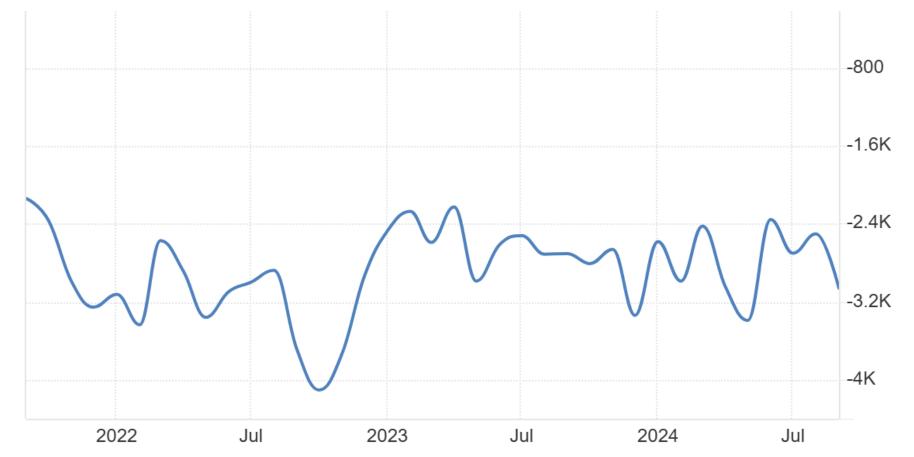
What products does Greece import? Total Value: 94.5B \$

Crude Petroleum	Refined Petroleum	Packaged Medicaments 2.72% Vaccines, blood, antisera, toxins and cultures 1.24%	Industrial Fatty 0.32% 0.3% 0.2% Ethers Beauty Cyclic 0.24% 0.23% 0.24% 0.23% 0.24% 0.23% 0.24% 0.23% 0.24% 0.23%	Knit Sweaters Non- Knit 0.42% Knit T- shirts Knit L Knit C.32% Animal Food Animal Food 0.57% 0.42% 0.34% Non- Knit 0.25% 0.34% 0.35% Non- Knit Knit Knit Non- Knit Non- Knit 0.1% 0.1% Light 0.17% I I I I 0.1%	Other Edition Raw Sugar Ethylene Polymers Other Plastic Products 1000000000000000000000000000000000000
13.8%		Oxygen Heterocyclic Compounds 0,89%	Hair Values < 0.01%	Non Mail Knik 0.18%	0.17%
Petroleum Gas 8.86%	7.08% Electricity 1.25%	Raw Coated is Rolled in Aluminium 0.5 1.46% Scrap 0.44 Refined Copper 0.73% 0.36 Hot-Rolled Iron	1%	Cheese 0.25% 0.72% 0.25% Bovine Meat 0.61% Pig Meat 0.57%	Light Other Other 0.36% 0.35% 0.34% Seats 0.21%
Computers EquipmentBroadcasting EquipmentOffice Machine 0.41%Centrifuges 0.29%Liquid 0.18%1.355%1.122%0.41%0.37%0.29%0.23%0.18%Refrigerators 0.37%0.37%0.29%0.21%0.17%Semiconductor DevicesAir conditioners 0.56%Insulated Wire 0.37%0.27%0.21%0.21%1.322%Electrical Transformers 0.44%Video Displays 0.34%Other 0.34%0.26%Other 0.26%Engine		0.68% Carg		Coffee Corn Image: Constant of the co	Rubber Textile Footwear 0.4% Leather 0.4% 0.3% Trunks and Cases 0.21% 0.54%

What products does Greece export? Total Value: 55.7B \$

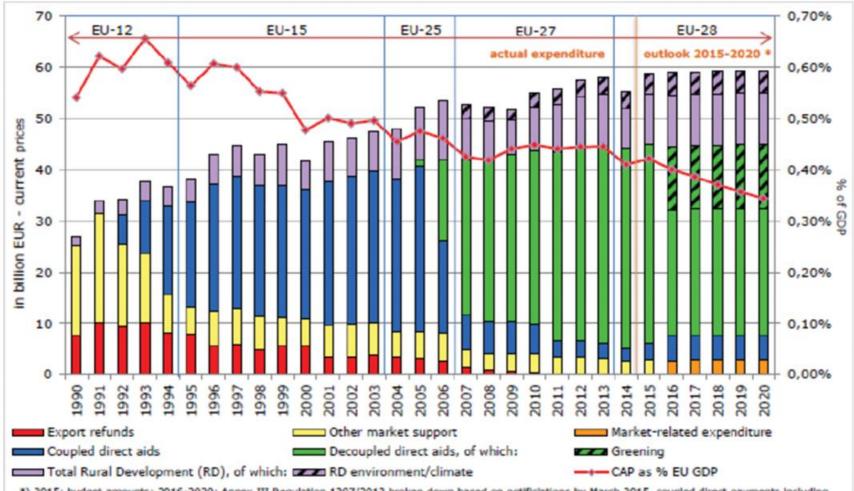
Refined	Petroleum	ן ו	Aluminium Plating	Aluminium Foil	Other Small Iron	Raw Iron Bars	Iron	Scrap	Other Processed Vegetables	Other Processed Fruits and Nuts	Rolled Tobacco	Cheese	Raw Cotton
			2.09%	0.84% Raw	0.4% Razor Blades	0.4%	0.31%		1.25%		0.6%	1.46%	1.18%
		(Copper Pipes	Aluminium 0.82%	0.27%	a	.296		Preparations	Malt Extract	0.070	Non-fillet Fresh Fish	
			1.29%	Hot-Rolled Iron Bars	0.17% Metal 0.17%				0.58% Processed Tobacco	0.32%		1.43%	Knit Non 0.18%
		4	Aluminium Bars 1.27%	O.65%	Metal	Raw	Va	 ues <	0.55% Raw Tobacco	0.18% Pickled 0.18%		Fermented Milk Products	
			Packaged	0.43%				0.16%	0.39% Baked Goods 0.39%			0.5%	Values < 0,19%
			Medicame	nts 0.4	um 19% o	Ha	0.3% air	0.22%	Other Pit	ted Other its Oily 0.33% 0.21%	0.2%		et Paper Other toys
2	9.4%		4.93%	0.3			+	Jes < 26%	Wheat	her	<u> </u>	1.55%	0.22%
Petroleum Gas	Electricity Cement 0.46%	2196	Computers Semicondu Devices 0.63 1.23% Electric Ba	0.32% Engine 0.3%	0.2196 Liquid Video	0.19% 0.1	1996	Air	0.58% 0.	astic ds Styrene 32% 0.31% Plastic 0.2% 0.16%		eters	0.16%
3.31%	Crude Crude Petroleum Coke 0.39% 1.05% Marble		Insulated Wire 0.60 0.91% 0.45	0.29%				alues < 0.296	0.5% set	0.2% 0.16% If 0.19%		otor 0.296	
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Trade balance evolution Period: 2022-2024



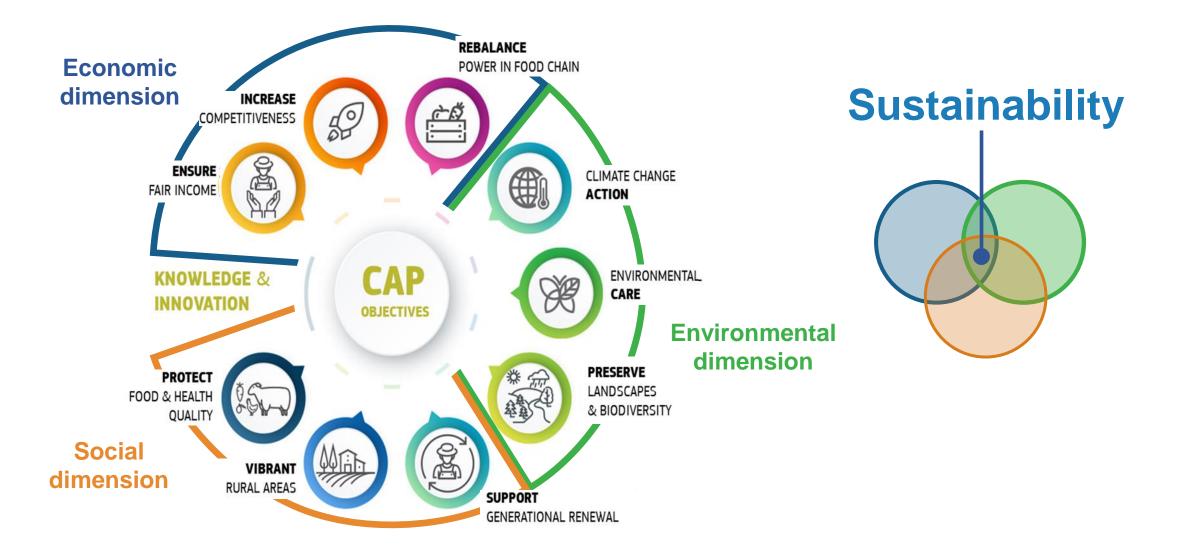
Source: tradingeconomics.com | National Statistical Service of Greece

Common Agricultural Policy evolution Period: 1990-2020



*) 2015: budget amounts; 2016-2020: Annex III Regulation 1307/2013 broken down based on notificiations by March 2015, coupled direct payments including POSEI and SAI direct payment component and Annex I Regulation 1305/2013

Key policy objectives of the CAP 2023-27 The ten key objectives



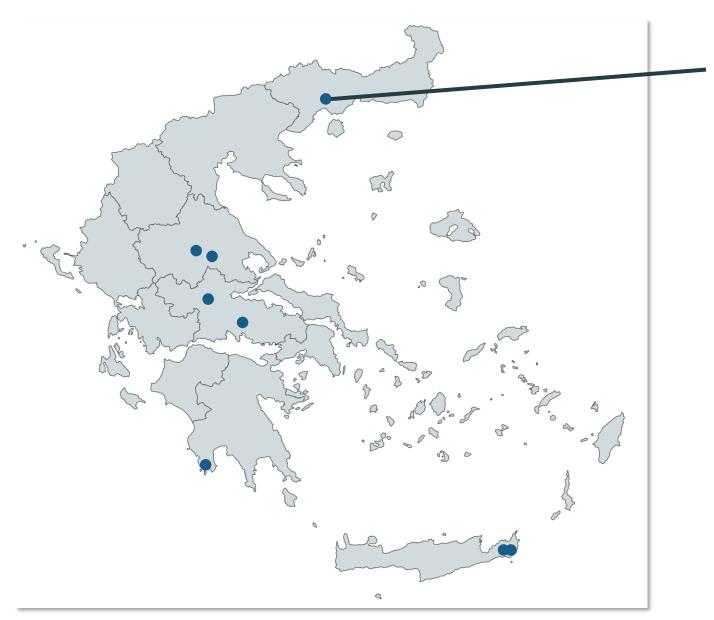


8/21 Irrigation projects

16 Billion Euros In Total

40 Billion Euros for Construction and Maintenance

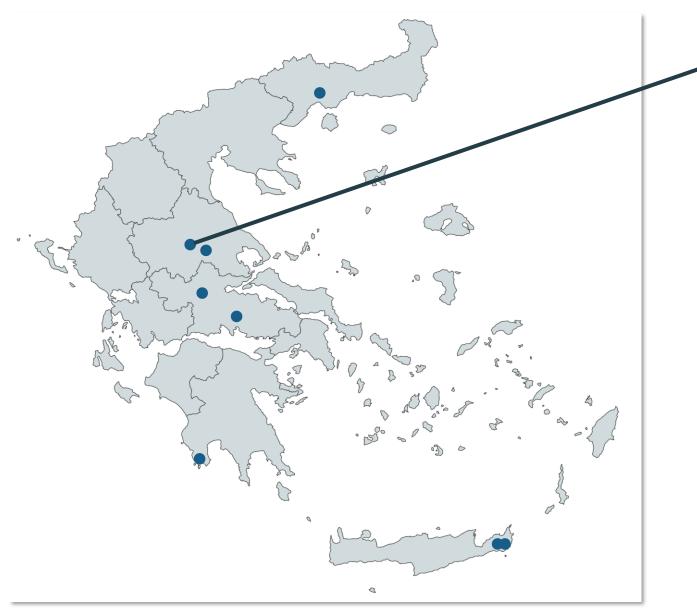




1. Water transfer from Nestos River to the Xanthi Valley

Construction Cost: 203,000,000€ Affected Hectares: 20,000ha

Beneficiary farmers: 20,000



2. Modernization of irrigation networks of TOEV Tavropou

Construction Cost: **114,000,000€**

Affected Hectares: 11,500ha

Beneficiary farmers: 5,750



3. Irrigation network - Yperia – Orfana, Karditsa

Construction Cost: **88,066,645€**

Affected Hectares: 7,465ha

Beneficiary farmers: 3,730



4. Dam at Bougazi Domokos and irrigation network

Construction Cost: **26,379,000€**

Affected Hectares: 1000ha

Beneficiary farmers: 1000

Capacity of new Reservoir: **2,500,000m**³



5. Dam in Livadi Arachova, Irrigation network and hydroelectric plant

Construction Cost: **23,005,200€**

Affected Hectares: 600ha

Beneficiary farmers: 600

Capacity of new Reservoir: **3,760,000m**³



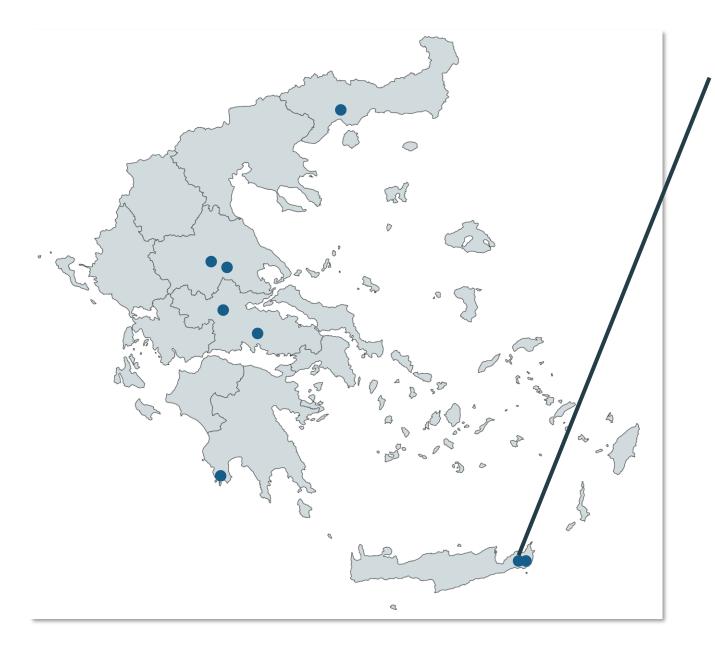
6. Minagiotiko Dam of Pylos and irrigation network

Construction Cost: **98,500,000€**

Affected Hectares: 3,500ha

Beneficiary farmers: 3,500

Capacity of new Reservoir: **11,000,000m**³



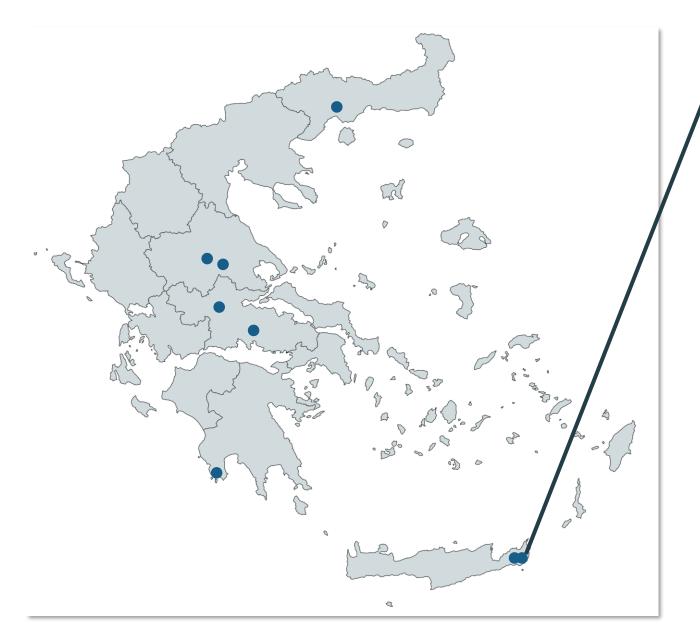
7.Water Reservoir of Sitia and water transport network to an existing irrigation network

Construction Cost: **18,518,362€**

Affected Hectares: 413ha

Beneficiary farmers: 500

Capacity of new Reservoir: **840,000m³**



8. Dam and Network of Agios Ioannis, lerapetra and irrigation network

Construction Cost: **26,044,385€**

Affected Hectares: 1,045ha

Beneficiary farmers: 1,050

Capacity of new Reservoir: **1,705,000m³**



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Thank you for your attention!

-G. Vlontzos

18/12/2024