Grupo Tragsa as a mean for the Use of Water

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Grupo Tragsa as a mean for the Use of Water

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About Grupo Tragsa

Grupo Tragsa at a glance

GRUPO TRAGSA is a **state-owned company** and a comprehensive provider of innovative solutions at the service of Administrations.

Experience

37 years managing successful projects.

Own Resources

10,000 employees and over 1,800 vehicles and heavy machinery.

Turnover

€ 613 million.

Presence

National and international projects in four continents.

R&D&I

More than 21 R&D&I projects with annual investment of € 2.6 million.

Grupo Tragsa activities









Activity in key sectors

- We co-operate with Administrations for sustainable development projects.
- We partner with local actors and contribute to the business fabric and job creation.
- We work on the transformation of territories and sustainable use of resources.

Advising governments

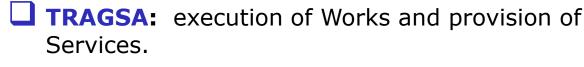
We provide assistance to Administrations in the development and implementation of strategic plans for their territories.

Trusted partner

With the support of the Spanish Administration.

Grupo Tragsa activities







TRAGSATEC: implementation of Consulting and Engineering projects.



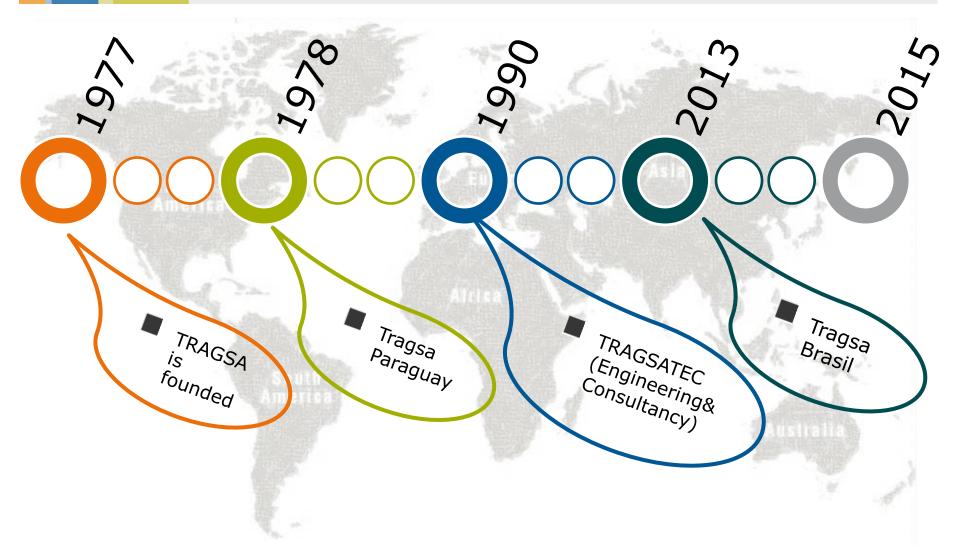
Lines of Activity:



- Rural Infrastructures
- Building and architecture
- Water Cycle
- Services, Agricultural production, fisheries and food. Farms.
- Public health and Sanitary services
- Studies, Technical support and Consultants for Government Policies.
- Emergencies



Grupo Tragsa History





National and International presence



- O Spain: offices in 17 regions and 52 provinces.
- More than 120 projects worldwide.

Grupo Tragsa and the Use of Water

Grupo Tragsa 09



Grupo Tragsa experience in agronomical use of water.

- Hydrological planning sector
- Water management for irrigation.
- Water Users Association development.
- Setting **rural population** up through water resources management.
- Research development of technologies: efficient irrigation system, desalination and reuse of water.
- Experience in **capacity building** in institutions in charge on water management.
- Experience in water scarcity adaptation measures.



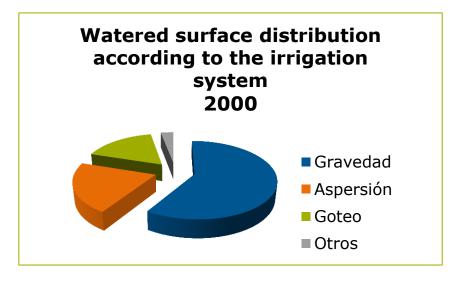


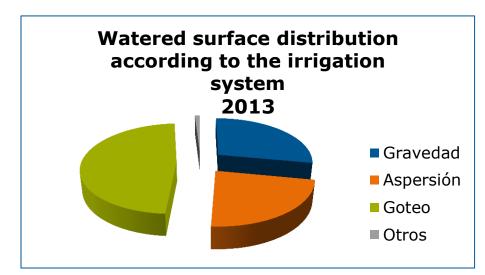




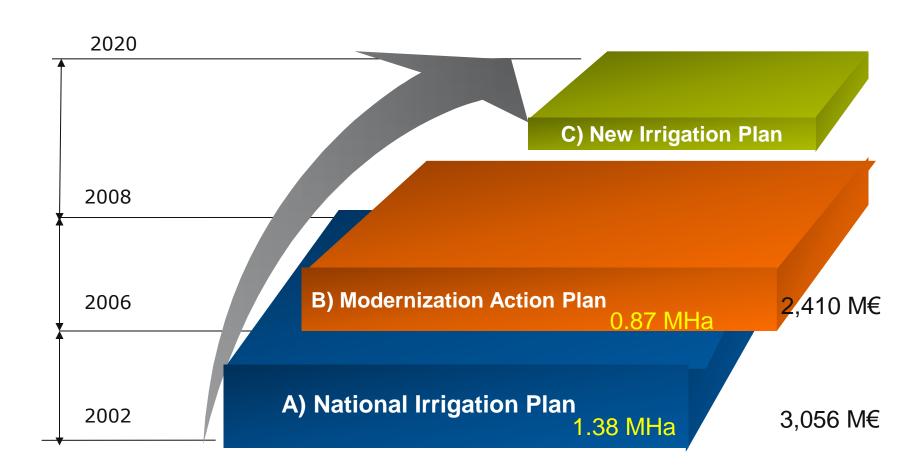
Irrigation in Spain

Watering system	2000		2013		50%	
- 1	ha	%	ha	%		
Flood irrigation	1,973,336	59	1,004,782	28.4	less	
Sprinkler irrigatin and others.	802,712	24	828,200	23.4		
Drip irrigation	568,588	17	1,707,576	48.2	X 3	
TOTAL	3,344,636	100	3,540,558	100,0	more	





Spanish Government Plans and the Grupo Tragsa.





Use of Water: Grupo Tragsa challenges nowadays

	8 key challenges	Emblematic project	
Social welfare and economic development	 Irrigation Reach human basic needs (Water Supply&Sanitation). Guarantee cooperation through all the implied sector. 	Irrigation National Plan 2008	
Equity	 Share water resources (Water Basins Management). Water Assessment and Valuation 	Hydrological Planification in the new European Environment Policies framework.	
Sustainability	 Preserve the ecosystems integrity. Guarantee food security and supply. 	Action Plan Zero Tolerance against waste.	
Socio-cultural dimension	 Flood and Drought Risk Management. Technical and legal knowledge improvement. 	Rivers Restorations National Strategy	

Emblematic water projects

Irrigation National Plan 2008



Action Plan Zero Tolerance against waste



Hydrological Planification in the new European Environment Policies framework



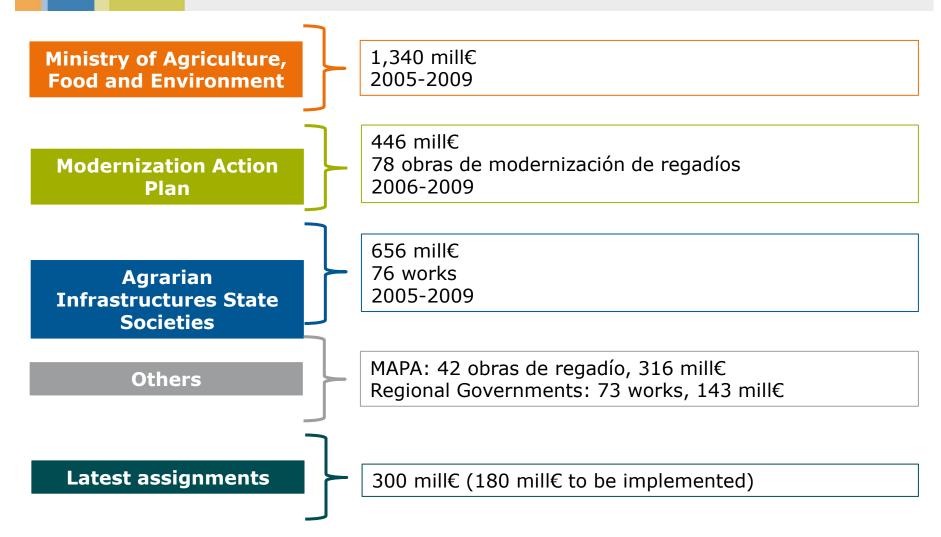
Rivers Restorations National Strategy



Grupo Tragsa participation in Irrigation Plans

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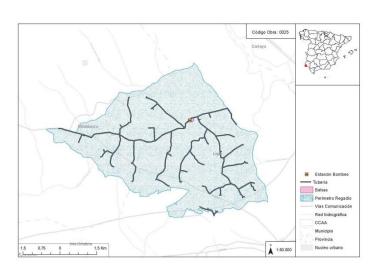
Volume of assignments for the Group



Irrigation National Plan Horizon 2020

- Through the **Grupo Tragsa** as a consultancy mean, the **Spanish Ministry of Agriculture** is formulating a new Irrigation National Plan, including:
 - Impact Assessment of the modernization plan in 10 pilot areas.
 - Energy/Irrigation balance
 - Development of a geographical and environmental framework to implement the projects.
 - Social and economic aspects of the irrigation.
 - Impact in the Water Framework Directive (EU)
 - Assessment of the Common Agricultural Policy (CAP)
- As a result, actions to be developed will be priorized according to every **Basin Hydrological Plan** characteristics.





Irrigation National Plan Horizon 2008

- Improvement, consolidation and modernization of 1.38 million Ha.
- igspace 242.800 Ha more for irrigated areas.
- Investment 3,000 mill€.
- Water saving estimated in 1,375 Hm³ / year.

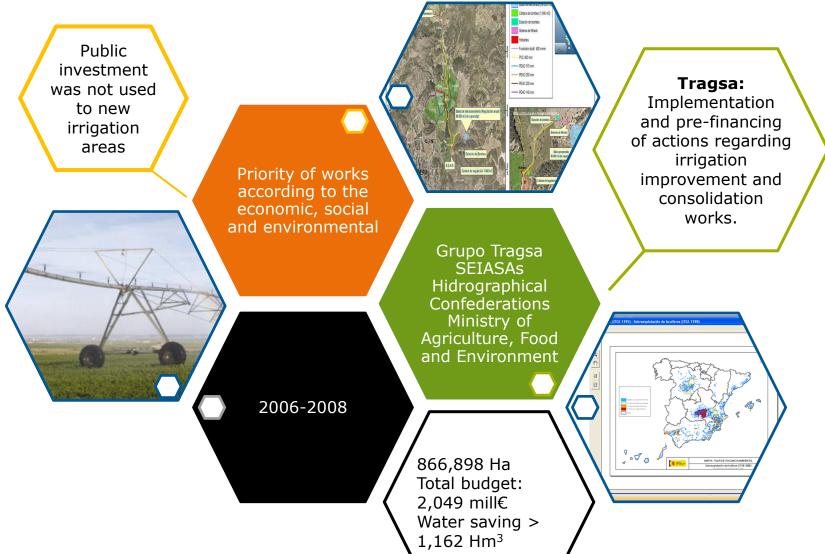


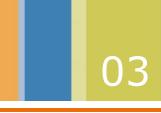


Development of:

- ☐ Hydric resources availability studies.
- Agricultural soil potential studies.
- Agroclimatologic studies.
- ☐ Environment studies.
- ☐ Technical Assistance in Infraestructures.
- ☐ Economic feasibility studies.

Modernization Action Plan





Study Case

Transformation and management of irrigated areas in León (Northwest of Spain)

Period:

2004-2014

Surface:

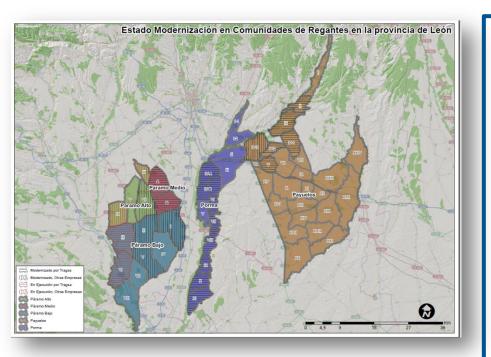
67,000 ha

Budget:

122 M€

Client:

Spanish Ministry of Agriculture, Food and Environment, Irrigation Users Associations, SEIASA



- Design of the project and implementation
- TA for the Work Supervision
- 555 Km of irrigation net
- 12 pumping stations and telecontrol
- 242 Km discharge system
- 498 Km road
- Obras de modernización:40,400 Ha
- Management of the irrigation system under demand.
- Optimization of the irrigation net, energetic consumption and cashcrop needs.

Conclusions

Grupo Tragsa 021

05 Conclusions

Grupo Tragsa has been devoted to the **water cycle**, in terms of **agricultural issues**, since the beginning of its activity (1977), as an Administration mean.





- In this sense, Grupo Tragsa has an **active role** in the **Spanish Irrigation Plans**, through hydrological planning, engineering, implementation and management for the Administrations and Water User Associations.
- Due to its agricultural water use vocation and other agronomical activities, Grupo Tragsa technical staff (around 25% employees) is consisted of **Agronomists**.





Therefore, issues regarding to the **role of the Agronomist** in **Society** are a key points to our company.

Thank you

www.tragsa.es