





Strategies for conservation: how are water savings being used, the modernisation of irrigation systems, and the illegal puping of ground water

- Irrigation in Spain
- Impact of CAP subsidies on the water bodies status
- Modernization of irrigation systems: Where is the water saved?
- Illegal pumping of ground water: WWF proposal to control
- Proposals

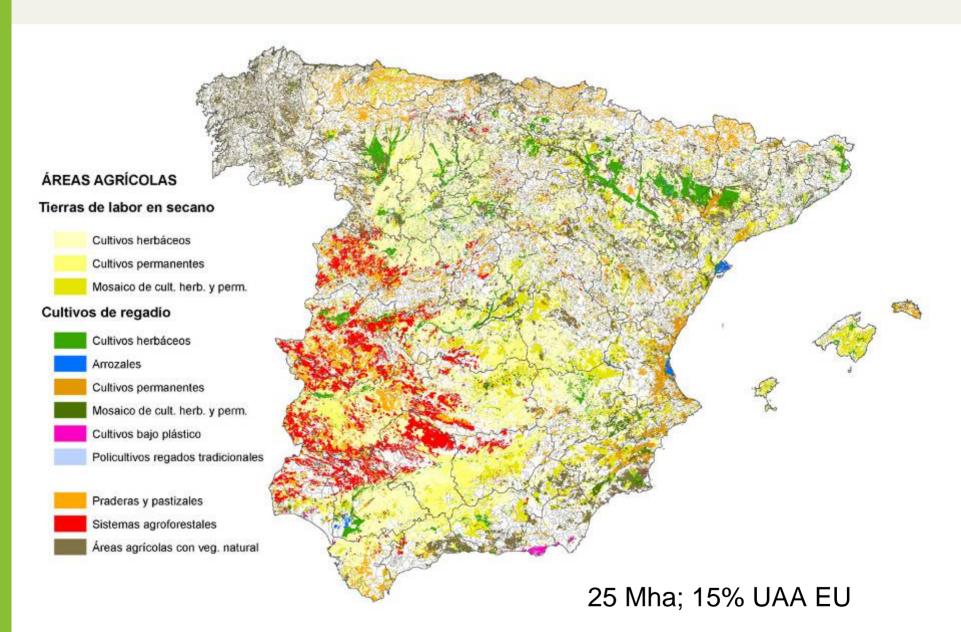








Agriculture in Spain





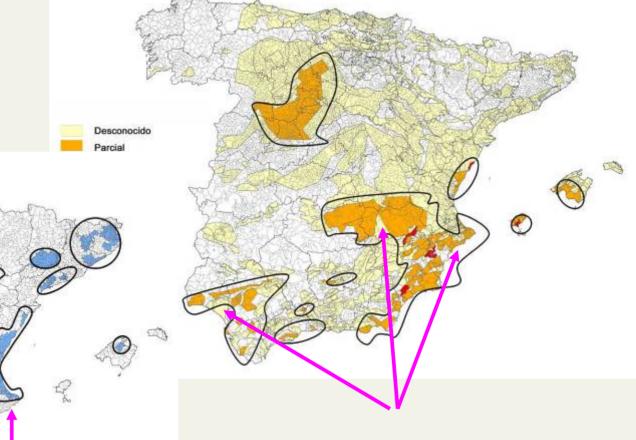




Agriculture and water

Overexploited aquifers





Ramsar/Natura 2000 wetlands







Common Agriculture Policy

- Total Budget EU 2007-2013 > 350 billion euros
- Spain
 - 2nd largest CAP beneficiary (7.5 billion euros/año)



Pilar 1. "Direct payments" and "Other payments"

EAGF

77% CAP budget



Pilar 2. Rural Development

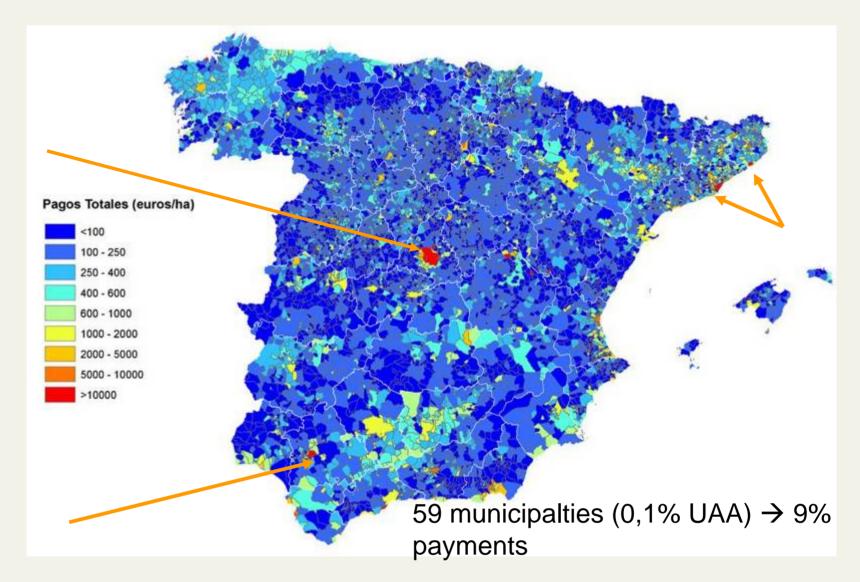
EARDF

22% CAP budget





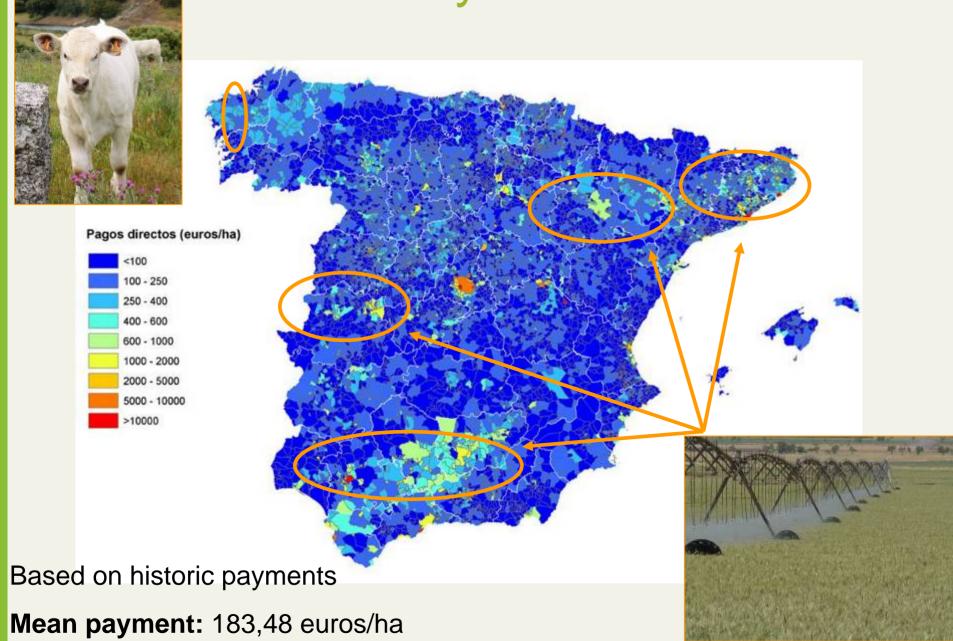
Total payments 2008



20% beneficiaries →54% total payments



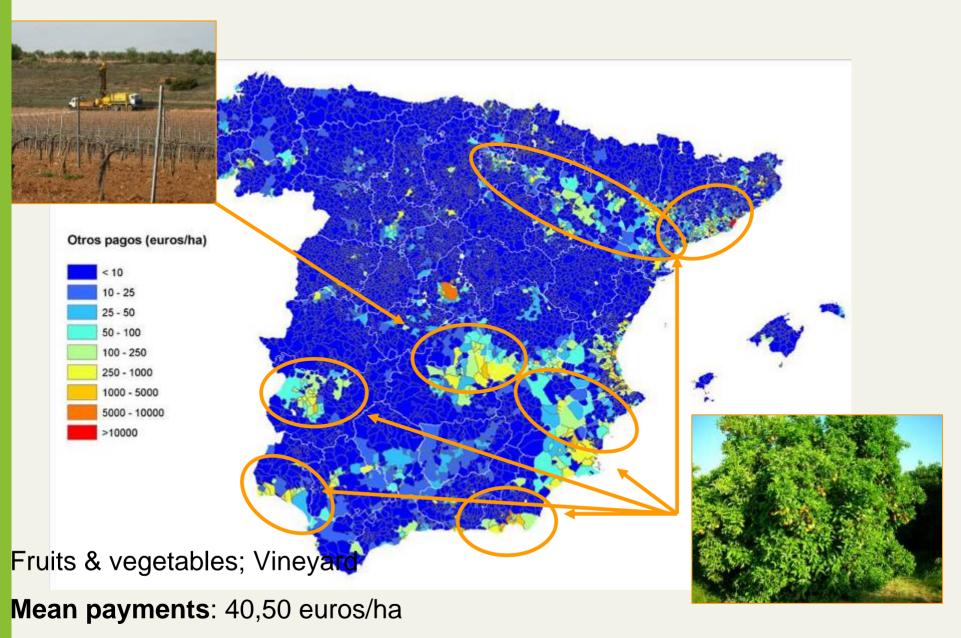
Direct Payment 2008





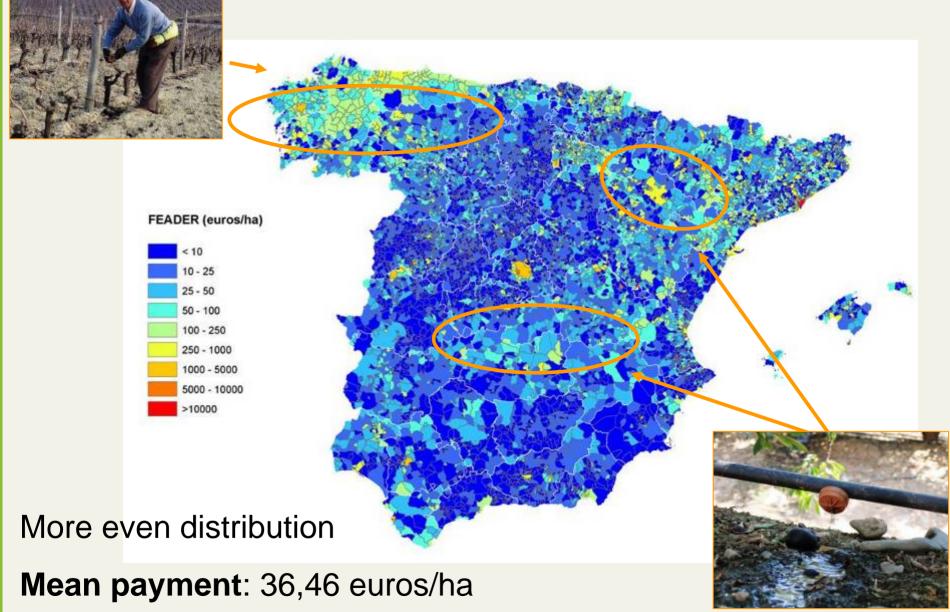


Other payments 2008





Rural development 2008







Main findings

Table 4. Average payment rates (€/ha) by type of system or location²⁷

Type of system / area	EAFRD	Other Payments- EAGF	Direct Payments- EAGF	Total Payments
Inside Natura 2000 Network (>50% TA)	51.63	27.22	140.78	219.63
Inside Natura 2000 Network (>90% TA)	47.06	8.34	124.80	180.21
Outside Natura 2000 Network (>50%TA)	57.93	45.57	202.72	306.22
Outside Natura 2000 Network (>90%TA)	57.45	44.59	196.16	298.21
Rain-fed crops	39.45	29.58	211.47	280.51
Irrigated crops	87.13	209.31	321.50	617.94
Pastures	57.90	6.68	159.27	223.85
"Dehesas"*	22.10	3.64	103.89	129.63
Permanent crops	54.53	170.62	191.80	417.32
Herbaceous crops	49.50	36.68	277.57	363.75
Over-exploited underground water bodies	26.80	96.69	174.87	302.26
Nitrate Vulnerable Zones (NVZ)	52.70	92.21	232.58	377.49
Irrigated crops in MVZ	74.03	206.56	297.28	577.86
Total Municipalities (UAA>50%TA) – N 4436	60.33	45.02	203.30	308.65

TA: Total Area of Municipality I UAA: Utilized Agricultural Area I N: num. of municipalities included in the category

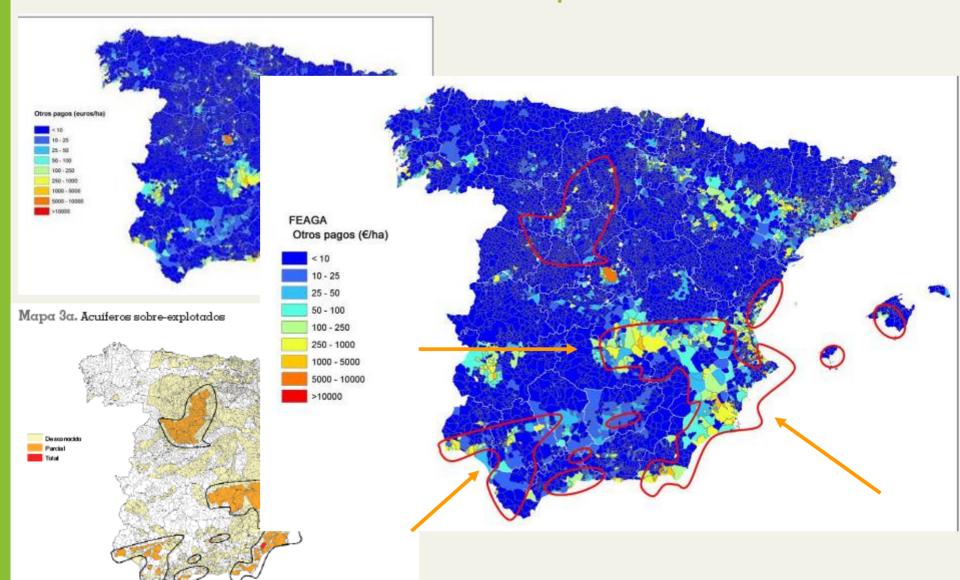


Fuerte: MARM 2007



"Other payments" vs Overexploited aquifers

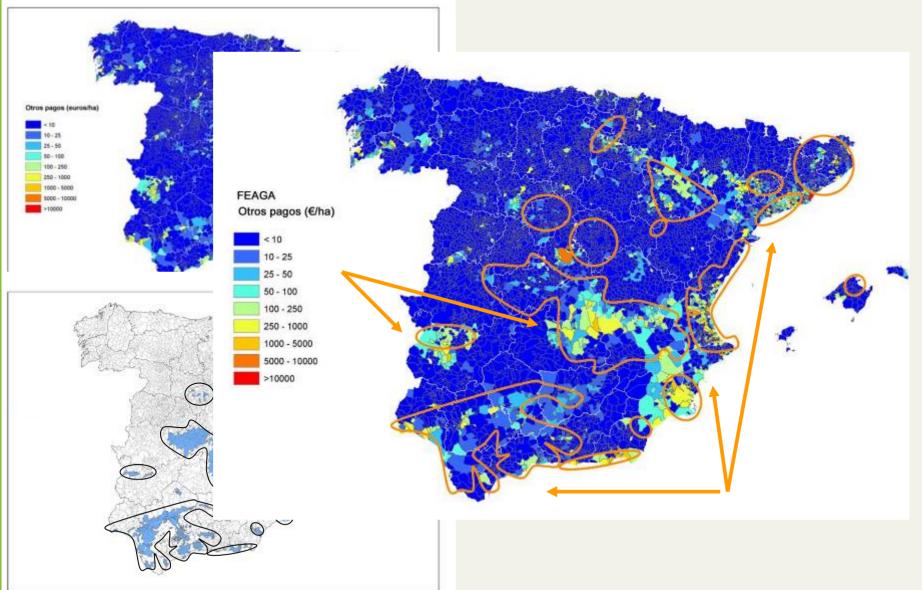
In red. Aprox. limits of overexploited aquifers







"Other Payments" vs. Nitrate Vulnerables Zones

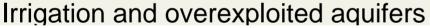


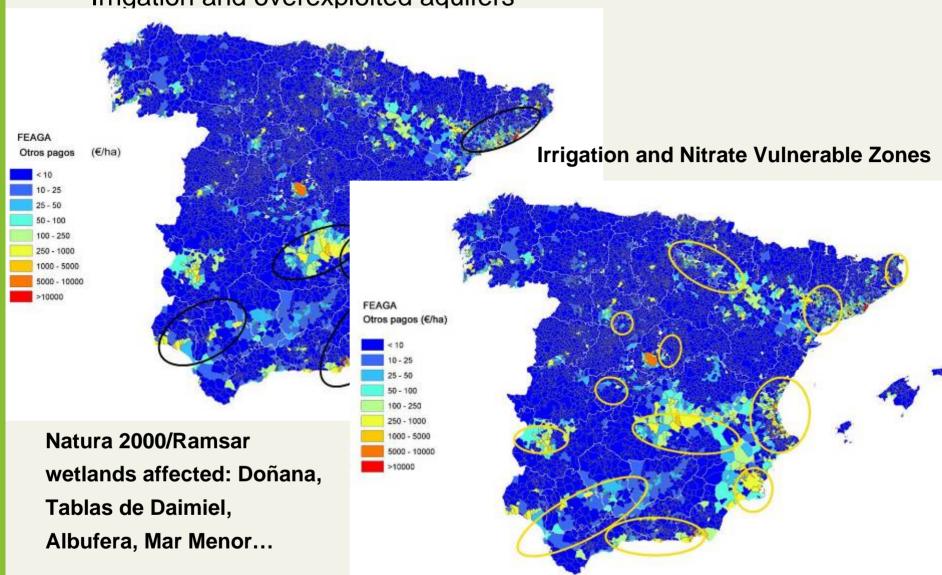
In orange: aprox. limit of Nitrate vulnerable zones





Other payments vs. Irrigation in overexploited aquifers and NVZs







Findings

Methodology and information availability:

- Improve the quality and availability of information (environmental and payment data)
- Continue with more studies and repeat them to detect changes
- Try different approaches (e.g. socio-economic effects) for a more complete vision

An open, plural debate well-founded in the facts about the current distribution of payments and the effects this produces.



Findings

Distribution of payments

 Large share of the funds was absorbed by a small number of areas or large or intensive enterprises, benefiting farming practices with a negative environmental impact.

Biodiversity

 Less support was directed at enterprises of higher environmental value (e.g. Natura 2000) → Contradiction between CAP and Birds & Habitats Directives

Natural resources

- Higher payments in areas with overexploited or polluted aquifers
- Higher payments to systems with high impacts on Natura 2000 wetlands
- → Contradiction between CAP and Water Framework Directive

Incompatibility in Spain between current CAP and EU environment policy



Proposals

Future of the Common Agricultural Policy

- Urgent need for changes to the CAP according to the 'public money for public goods' principle
- True application of 'Polluter pays principle', including removal of perverse subsidies and WFD as Legal requirement to get public payments





"Plan de Choque" for modernization of irrigation 2006 – 2008 (RD 287/2006)

Goal: 1.162
hm3/year of water savings;
Modernization of 866.898 hectares

- Total investment:
- 2.4 billion euros

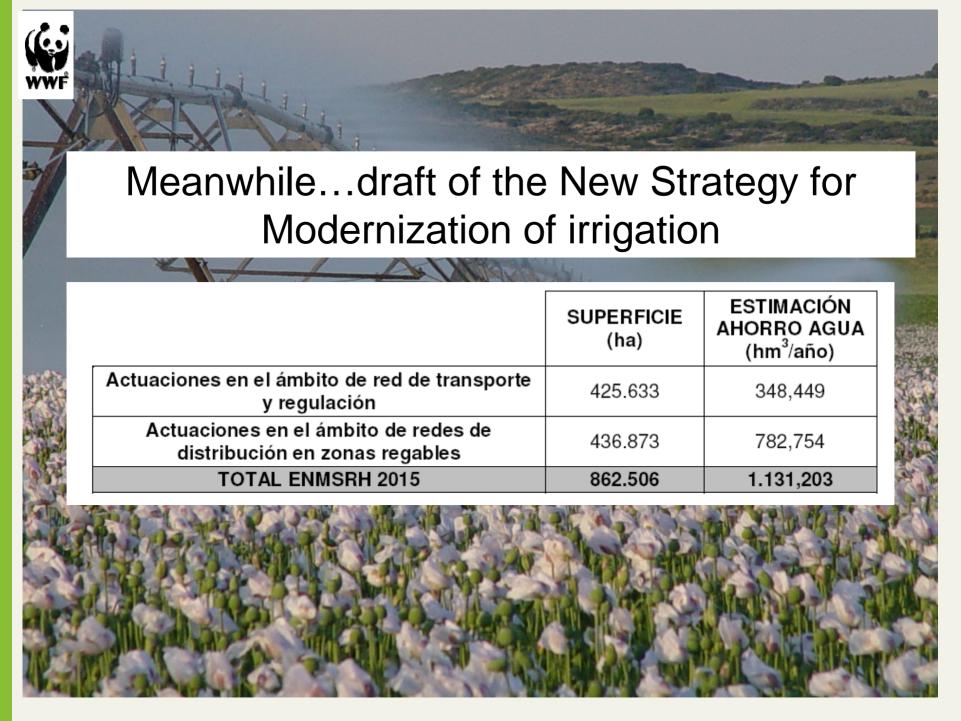
(Public investment:

1.8 billion euros)



But, where is the water saved?







Transparency:

 Assessment and monitoring of current modernization of irrigation plans.

Public money for public goods and polluter pays

 Assurance of real water savings to contribute to WFD objectives,







Current situation

• 510,000 illegal wells

 (urban and agriculture uses)
 in Spain → 3,600 hm3/year
 of groundwater extracted
 illegally → average water
 consumption of 58 million
 people









- Legal and efficient use of water compulsory
 - to receive any public money (CAP, Farming Insurance, etc)
 - to be included into market retailers' buying protocols
 - to get Quality certified labels (Protected Designation of origin, Organic Farming, etc)

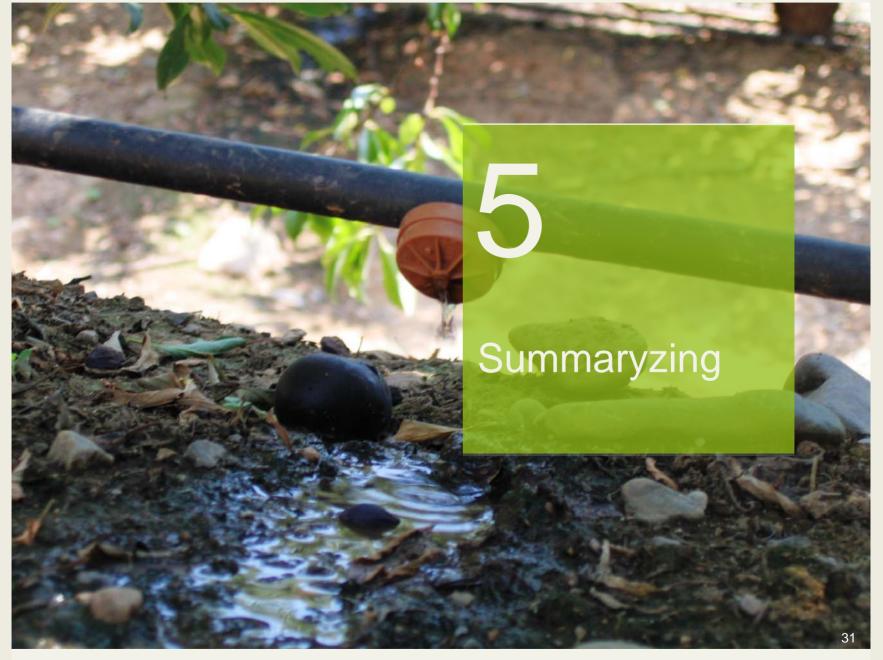


- The responsible authorities should be supplied with all the resources to effectively control the use of water
- Ensuring the immediate closure of illegal water withdrawal and the prosecution of violators
- Improving the coordination among the different authorities and stakeholders

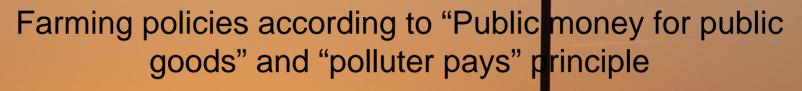


- Raising awareness
- Farming plans have to be subject to environmental objectives: environmental flows allocation, water pricing that includes real environmental costs, etc.
- Promoting and supporting nonirrigated High Value Nature Systems.



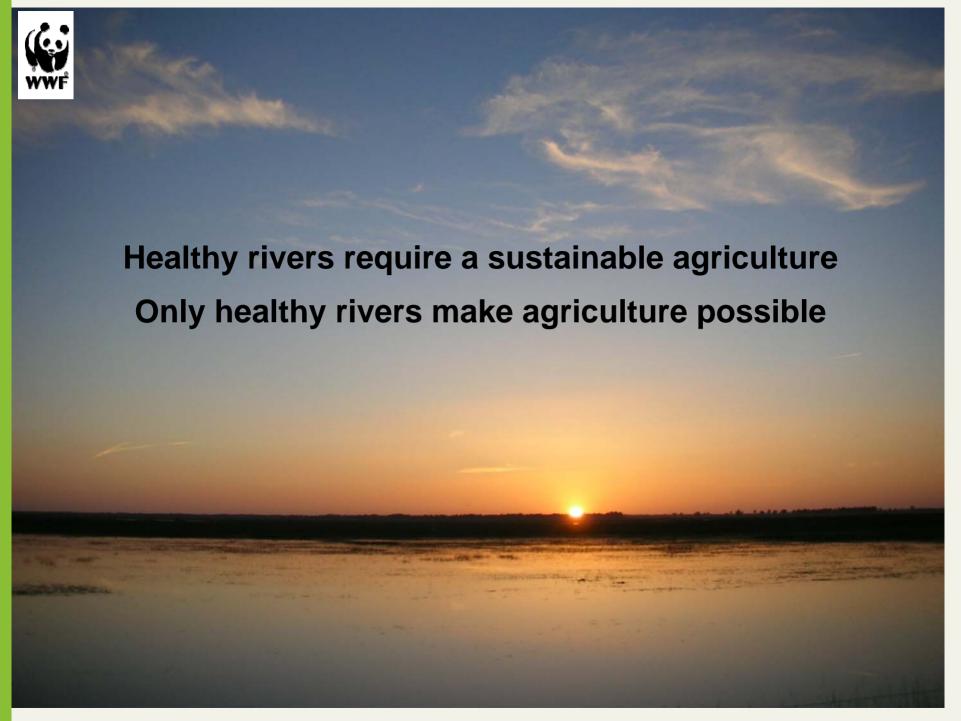






Ensure water saved in modernization goes to nature

Stop illegal water use



Thank you



www.wwf.es

Eva Hernandez - ehernandez@wwf.es