



The foundations...

- Ecosistem services for food security
- Lessons learned:
 - Efficiency as precondition
 - Structural changes needed (water rights review)
 - Associative character
- Holistic and coherent approach
- Territorial contract per farm
- Public participation
- Ex ante conditionality
- Robust evaluation and monitoring system



Building the new blue architecture

- Enhanced conditionality:
 - WFD and GAEC for good status of water bodies
- Basic payment redesing
 - Income support to most valuable socio-environmental farms
- Ecoschemes for the good status of river and aquifers
 - Priority: maintainance of environmental farming
 practices (Natura 2000, HNVF/rainfed crops + extensive grazing,
 - Proper control and measuring of results
 - Promote structural changes









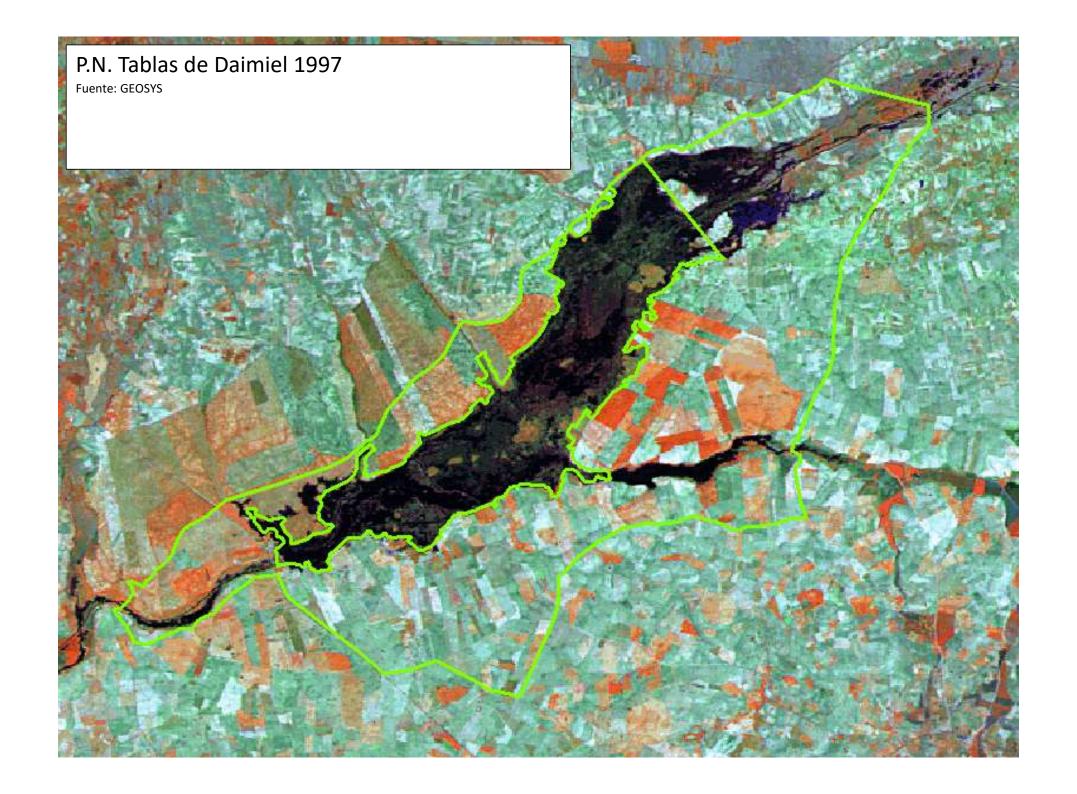
Blue Ecoscheme

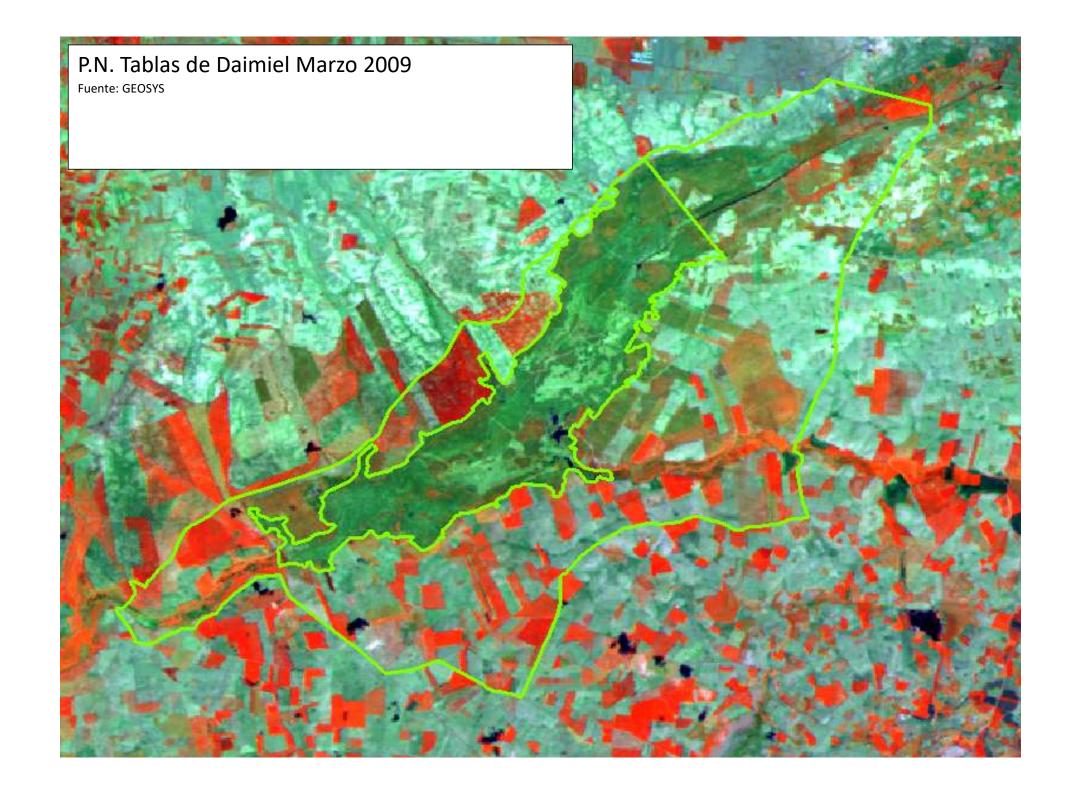
- Objetive: 15% of water saving in irrigation regarding legal water permmits to ensure good status of water bodies according WFD, by combining quality harvests and ecosystem services recovery
- Tools:
 - ACUAS: crop plan design
 - SITAR: irrigation recommendations adapted to each farm
- Background: Life HAGAR Project, Misión Posible Alto Guadiana y Estuario Guadalquivir projects.
- Priority: irrigated areas in water bodies in bad status (aprox. 500.000 ha) – Water risk filter



Blue Ecoscheme

- **Expected results**: Costs savings (water, fertilizers...); Improvement (maintanance) status of the water bodies; Climate change adaptation; crop planning; harvest quality improvement.
- **Scope:** arable and permanent crops
- Potential beneficiaries: Water users associations,...
- Managing authorities: Water and agriculture administrations
- Indicators: % irrigated área under ACUAS and SITAR commitments; Water saving (m3/ha) and total (m3) and destination; Water bodies status evolution
- Control mechanism: satellite images, water metering data; anual irrigated área plan per farm; Water rights review







ACUAS: Irrigated área plan

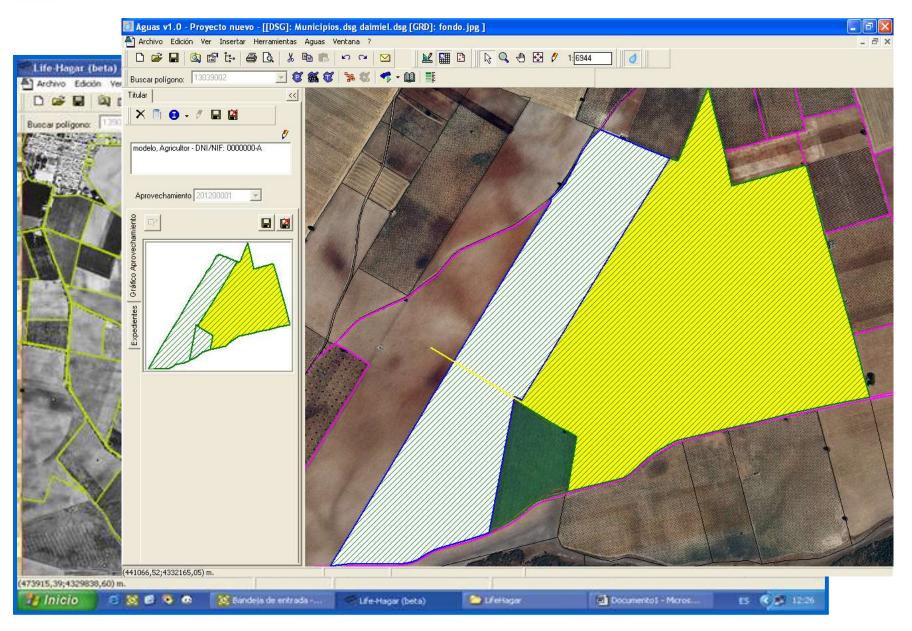
Provide to the Water User Communities with a customized self-management tool, to advice to their members.

Elaboration of crop plans to decrease 15% annual water consumption with respect to legal concession

Water rights downward revision at the end of the Ecoscheme to ensure structural changes and permanently recovering water for the basin



ACUAS: crop plan design





ACUAS Crop plan declaration

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5	N° EXPEDIENTE	Nº POZO		MUNICIP	10	POLÍGONO	PARCELA	SUPERFICIE INSCRITA Ó EN TRÁMITE (ha)	TABLAS Ó CONTADOR	TIPO DE CULTIVO	SUPERFICE DEL CULTIVO (ha)	SISTEMA DE RIEGO	POLÍGONO	PARCELA	TÉRMINO MUNICIPAL	AGUA (m²) (caso de tablas)
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A LA CONFEDERACIÓN HIDROGRÁFICA DEL C							FICA DEL GU	ADIANA (CIUE	DAD REAL))						
3										Andrews Chang Make the	CONTROL PROPERTY AND					



SITAR. Personalized irrigation advice

- Based in oficial date provided by Public Irrigation Advisory Services
- Software adaptation by CSIC
- Personalized irrigation advice taking into account crop and irrigation system per farm vía SMS
- Ecoscheme stress coeficient for déficit irrigation



.... movistar 3G 12:46

78% [

Descripción de la zona

próximos 7 días

Recomendaciones diarias

Recomendaciones semanales

Mensajes

+34 605 065...

Editar

NECESIDADES NETAS DE AGUA EN MILÍMETRO

FECHA	ЕТо	Precipitación Estación de Daimiel (AÑO HIDROLÓGICO)	CEBA
Viernes (03/05)	4,1	0,0	4,
Sábado (04/05)	3,8	0,0	4,
Domingo (05/05)	4,6	0,0	5,
Lunes (06/05)	8000	Total Control	1000

Llamar

FaceTime

Añadir

Mensaje de texto 29/10/2013 12:44

Martes (

Miércole Jueves

Total

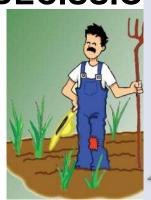
LITRO

PREVISIÓ SEI

Acumula

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IRRIGATIO DECISSIO



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13/09/2013;

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Recomendaciones Riego

en Tiempo: 15:13

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Lunes (

Viern Sába Domin

Martes (07/05) 0,9 4,3 Miércoles (08/05) 3,7 0.8 Jueves (09/05) 5,5 0,7 1,2 28,5 **Total semanal** 2,9 5,5 LITROS/ÁRBOL PREVISIÓN PRÓXIMA 30 SEMANA Acumulado campaña 104,7 3,2 11,4 Ejemplo de mensaje de texto "sms" con recomendaciones de riego en horas y minutos

Mensaje de texto

Enviar





A new CAP for the WFD A WFD for the future of agriculture

- Ecosystems services as food security guarantee (nature based solutions)
- Value for public money: coherence, holistic approach. To this:
 - Solid grounded for a global change context
 - Priorization of Ecoschemes to maintaing current benefit practices: Natura 2000, HNVS...
 - Other measures
- Las calle: A new CAP for the need agroecological transtion toward Sustainable Food Systems

Thank you



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