

The background of this slide is a close-up photograph of a vibrant green leaf with several clear water droplets of varying sizes. The leaf's veins are visible, and the lighting creates highlights on the droplets.

**F:ACTS!**  
**Forms: for Adapting to Climate Change  
through Territorial Strategies!**

**Margarida Ambar**

**Budapest  
13 – 16 February 2012**



## Project F:ACTS!

- Interreg IVC
- Start - Jan 2010
- End - Dec 2012



facts!

## PARTNERS

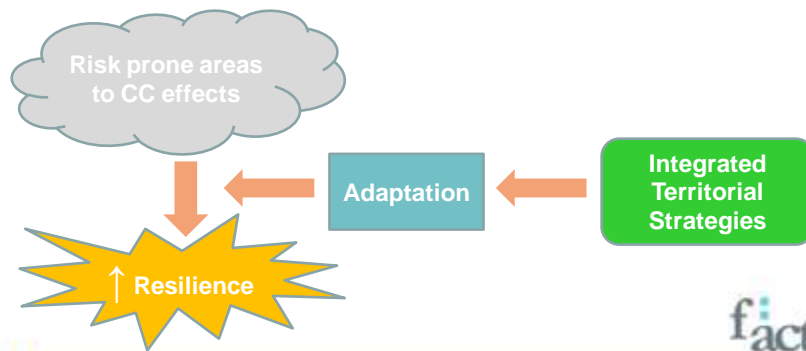


NETHERLANDS
FLANDERS, BELGIUM
GALICIA, SPAIN
PORTUGAL
LITHUANIA
GREECE
BULGARIA
ITALY

facts!

## Project F:ACTS! – main objective

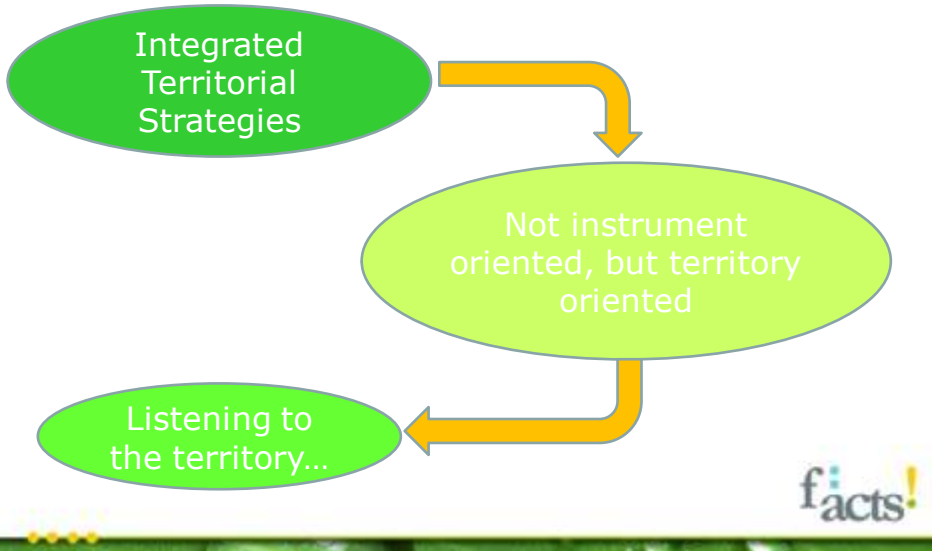
- Improve implementation capacity for integrated territorial approaches that adapt to the effects of climate change, in peri urban and rural areas



## Project F:ACTS! – guiding principles

- Special attention to:
  - horizontal principles
    - .stakeholders' involvement
    - .governance
    - .economic viability
  - physical or territorial principles
    - .multi-functional land
    - .use and users
    - .scale of intervention

## • F:ACTS! – Integrated Territorial Strategies



## Project F:ACTS! - the pilot projects



## F:ACTS! - pilot project in Vouga



## • F:ACTS! - pilot project in Vouga

Why this area?

Risk prone area  
Effects of climate change  
Biodiversity  
Historical background



Now – in planning phase


facts!



## F:ACTS! - – Vouga: listening to the territory

● Location

Aveiro district



Aveiro, Portugal

Portugal

Estremadura


Lisboa

Sevilla

Google

facts!

## F:ACTS! – Vouga: listening to the territory

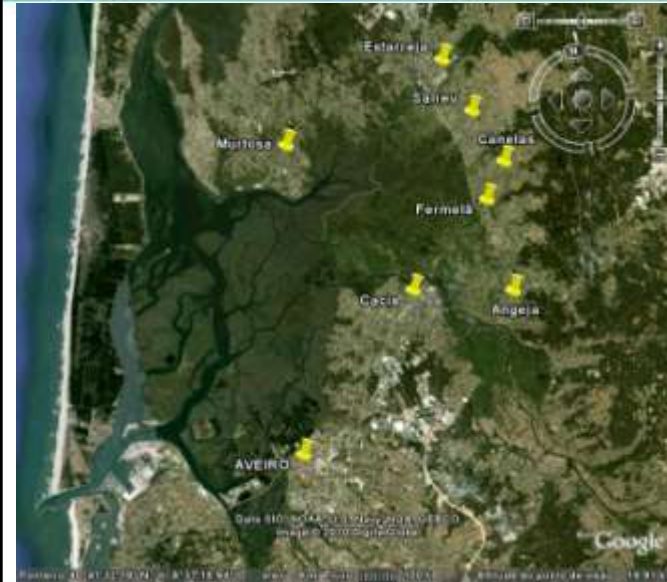


Pilot area  
3.000 ha

3 Municipalities  
Aveiro  
Estarreja  
Albergaria-a-Velha

facts!

## F:ACTS! – Vouga: listening to the territory



- Aveiro harbor
- Urban and industrial areas

facts!

## F:ACTS! - Vouga: listening to the territory



Natura 2000 – Special Protection Zone for Birds “Ria de Aveiro”

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## F:ACTS! - Vouga: listening to the territory

YEAR	Relevant Aspects
1980 -1990	MoA: prevent soil degradation(salt intrusion and pollution); flood control and drainage; rural roads; land consolidation
1980 -1990	Construction of the dike (4 km out of 10 km), polder pilot (43 ha), sluices, rural roads



1994	Env. NGO presented claim (EU Court)
2000	EIA - University of Aveiro Main conclusions: the preservation of natural values in the area depend on existing agricultural activity; salt intrusion should be avoided
2003	European Court "rested the case..."

facts!

## F:ACTS! - Vouga: listening to the territory



The dike





# F:ACTS! - Vouga: listening to the territory

- Salt water



# F:ACTS! - Vouga: listening to the territory

- River floods and salt water



## F:ACTS! - Vouga: listening to the territory



Gradients  
in water  
(salt)

facts!

## F:ACTS! - Vouga: listening to the territory



Gradients  
in water  
(salt)

facts!

## F:ACTS! - Vouga: listening to the territory

- Wetland- brackish water; marshland, reed
- Open fields - corn + grassland (animal feeding), rice
- Bocage – pasture, grassland



Landscape

facts!

## F:ACTS! - Vouga: listening to the territory



### • Biodiversity:

- Fauna - protected birds + other animals otter (*Lutra lutra*), ferret (*Mustela nivalis*), ... local endangered breed ("marinhoa")
- Flora - willow, alder, oaks, reed, ...



facts!



## F:ACTS! - Vouga: listening to the territory

.Agricultural land use:  
grassland (40%), corn (ensilage) x  
grassland (30%), rice (5%) and  
reed area (25%)

.Agricultural products:  
milk, **rice** (5-6 ton/ha), animal  
breeding (cattle, horses), beef  
("marinhua" breed)

Very fertile soils  
Ditches – drainage in winter and  
water supply in summer



facts!

## F:ACTS! - Vouga: listening to the territory

➤ 9.300 parcels belonging  
to 3.800 landowners

➤ 0,7 ha / landowner

➤ 0,3 ha / parcel



facts!



## F:ACTS! - Vouga: listening to the territory

Agriculture abandonment

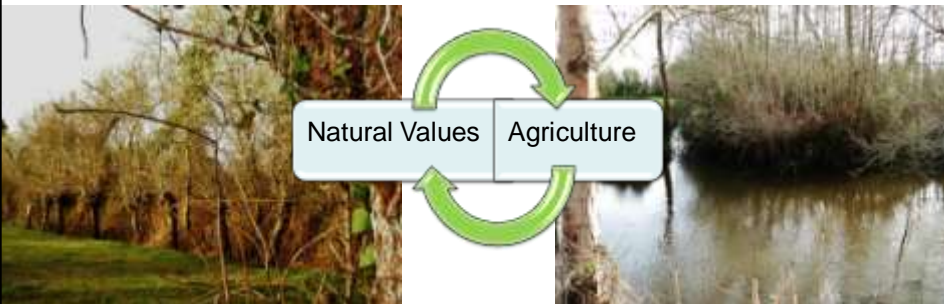


Natural values



## F:ACTS! - Vouga: listening to the territory

**Balance**



## Pilot in Vouga: objectives

- ↑ Resilience
- Sustainability
- Local development
- Improve policy instruments (ae schemes)
- Learn



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## Pilot in Vouga – inspiration from partners

### 4e Bergboezen Breda



The project was started because of the occurrence of flood in the city centre of Breda - a plan for the creation of a water buffering area combined with nature and recreation

facts!

## Pilot in Vouga – inspiration from partners

Coaching on stakeholders involvement



facts!

## Pilot in Vouga – inspiration from partners

Thematic Workshop about economic viability



... “Last but not least the **economic viability** of the solutions is an issue. The question of making the investments financially feasible and the new functions economically viable will be studied and exchanged.”

And many others!...

facts!



## Pilot in Vouga - hypothesis

- Shared vision
- Defense system (salt water and river floods)
- "soft" LC (swap parcels, promote selling + buying)
- LB (area for infrastructures + farms)
- Agri-environmental scheme
- Eco-tourism
- Diversification
- Territorial branding
- Territorial marketing



facts!

## In conclusion...

Increasing scarcity of resources



Accurate policies



Effective impact at implementation level

Increasing complexity (as CC related issues)



Smart combination of policies



Rich toolbox of instruments

Approaches have been evolving → variety + flexibility

LC combined with other tools + broader scope of intervention

facts!



# Project F:ACTS! – more information?

[www.factsproject.eu](http://www.factsproject.eu)



Regional Conferences:

.Varna – 27/28 Sept

.S. Compostela – 25/26 Oct

.Brussels – 22/23 Nov



# F:ACTS! Project



Thank you for your attention!



