

Building robust strategies for climate proof
fresh water supply

Tagus basin: Looking into solutions, dilemmas,
responsibilities and cooperation

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- COMPLEXITY
- Drought, aridity, water scarcity, desertification
- Culture of public/private cooperation
- Water laws embedded in culture
- Rigid legal and institutional system
- Disproportionate political (not policy) power

Reasons to be optimistic? (my own view)

	Optimistic	Pesimistic
Technology	x	
Cooperation	x	
Competitiveness, efficiency	x	x
Trade and prices	x	x
EU policy (CAP, WFD)	x	x
Local adaptation policy		x
Effects on equity		x
Limited science-based policy		x

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INDICATORS (permanent monitoring, forecast) meteorological, hydrological, environmental, socio-economic

PRE-ALERT

Initial stage of danger

ALERT

Drought will have impacts

EMERGENCY

Impacts have occurred and supply is not guaranteed

ACTIONS (taken in response to drought) should be triggered by indicators

PRE-ALERT

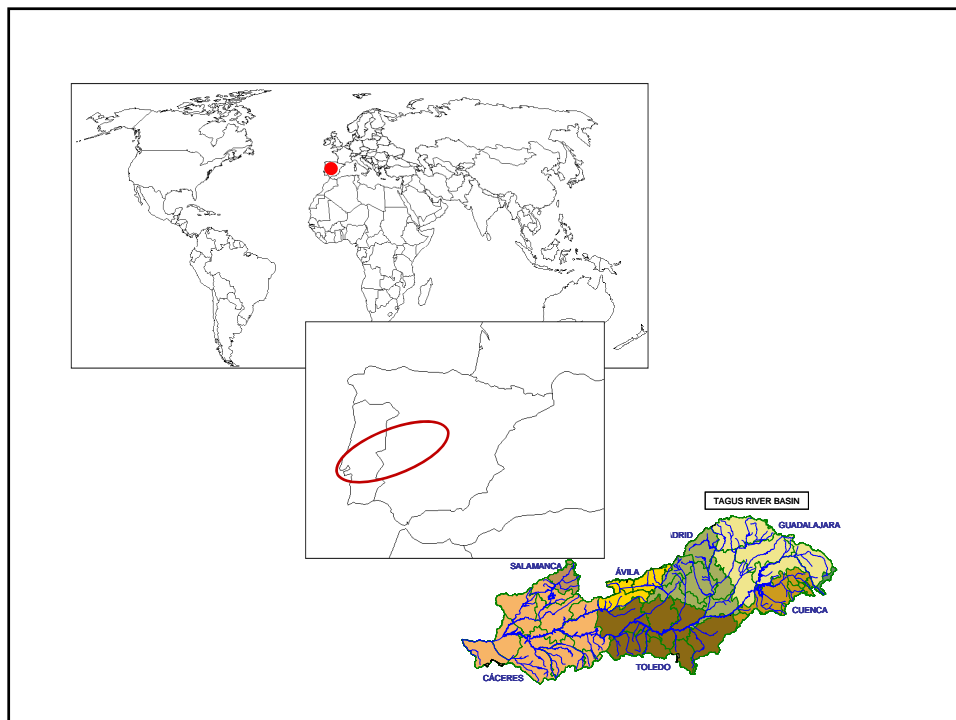
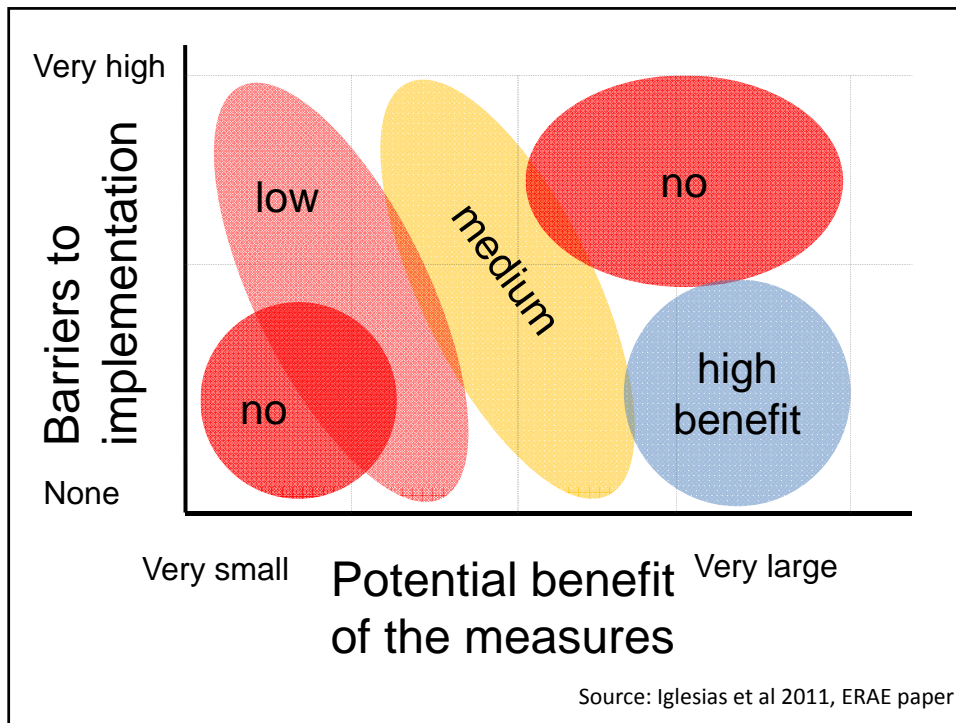
Voluntary, focus on raising awareness

ALERT

Mandatory, non structural, directed to limit water use

EMERGENCY

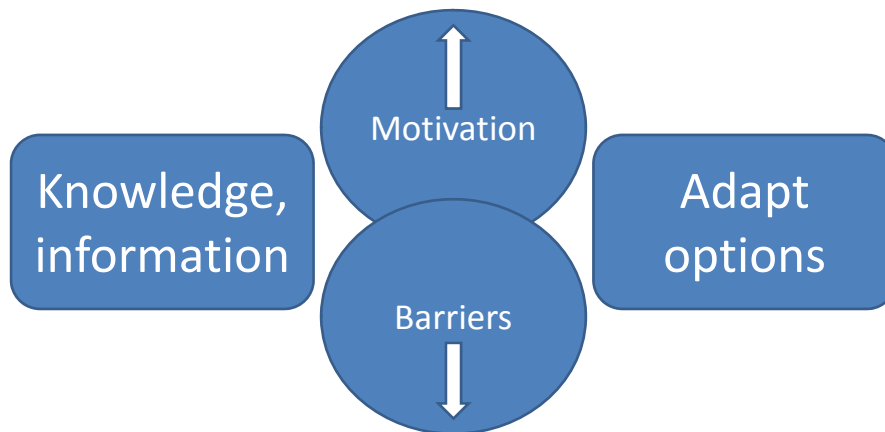
Restrictive, structural or new abstractions



Exploring the role of stakeholders

Examples in Europe and Africa

Tools: Mapping institutions, behavioural economics



thank you

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