

A stakeholder-based assessment of barriers to climate change adaptation in a water-scarce basin in Spain

Regional Environmental Change

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Table 1. Questions addressed in each of the three phases of the research and outputs

Phase of the research	Method	Main Questions addressed with stakeholder and experts	Output
1. Analysis of Social Networks	Participatory SNM	- How are decisions made in the Guadiana basin in relation to climate change adaptation in the water and agricultural sectors? - Which actors/groups play a role in achieving adaptation? - Who is related to whom? How are these relations? What does each actor give/receive/exchange in terms of information, financing and capacities? - How influential is each organisation in adaptation? - What is the main goal of each actor?	3 SNMs developed by different SH groups
	Validation of Integrated SNM through semi-structured interviews	- Have all relevant actors been represented in the network? Concerning information/financing/capacity flows for adaptation: - Do you think all important flows have been included in the network? - Do you agree on the relevance/role of the highlighted actors?	1 Integrated and Validated SNM
2. Elicitation of barriers to adaptation	Analysis of SNM through semi-structured interviews	- Is there any relation between actors that should be created or strengthened to favour adaptation? Why? How could this be done? - Is there any actor that has too many links with other actors? - Is there any central actor in the network? Does it have any implications? - Which is the most influential actor? Is there any conflict between influence on and relevance for adaptation of any actor? - Is there any conflict between the goals of different actors that could negatively affect the socio-institutional context for climate change adaptation?	List of barriers to climate change adaptation
3. Analysis of barriers impact on adaptation measures	Stakeholder Questionnaire	- How can each identified barrier affect the implementation of the selected adaptation measures? Rate from 0 to 5; 0= not relevant/no impact; 5=limit to adaptation	Rating of impact of barriers on adaptation measures