

Appendix 1: Case selection process

Table 14: Agricultural water demand in inter- and intra-regional River Basin Districts to preselect case studies

	River basins	Agricultural water demand in hm ³ /year	Total water demand in hm ³ /year	Agricultural water demand/total water demand (%)
Inter-regional river basin districts located in Spanish territory	<i>Guadalquivir</i>	3,374.7	3,797.6	88.8
	<i>Segura</i>	1,487.1	1,692.9	87.8
	<i>Jucar</i>	2,580.6	3,240.8	79.6
	Western Cantabrian	99.8	461.5	21.6
Intra-regional river basins	<i>Mediterranean basins of Andalusia</i>	983.3	1392.7	70.6
	<i>Guadalete-Barbate</i>	306.8	438.2	70
	<i>Tinto-Odiel-Piedras</i>	191.8	309.2	62
	Canary Islands (Includes 7 RBDs)	210.7	455	46.3
	Balearic Islands	103.3	252.9	40.8
	Catalonia	378.8	1,046.4	36.2
	Galicia Costa	52.3	368.8	14.1
	Eastern Cantabrian	99.8	461.5	21.6

Source: Own calculations based on CEDEX 2017: 57–58. Italics refers to RBDs with more than 50% of agriculture water demand compared to total water demand. Transboundary RBDs are excluded.

Table 15: Changes in agricultural water use in pre-selected River Basin Districts for final case study selection

	River basin Districts	Agricultural water use 2009 (hm ³)	Agricultural water use 2016/17 (hm ³)	Change 2009–2015
Pre-selected inter-regional river basin districts	<i>Guadalquivir</i>	2,569	2,792	+ 8.7%
	<i>Jucar</i>	1,412	1,386	- 1.8%
	Segura	1,105	1,293	+ 17%
Pre-selected intra-regional river basins	<i>Mediterranean Basins of Andalusia</i>	824	817*	- 0.8 %
	Guadalete-Barbate	319	304	- 4.9 %
	Tinto-Odiel-Piedras	149	170	+ 14.3 %

Source: Own calculations based on RBMPs of the first and third planning cycle. RBDs in italics were selected for the empirical analysis. *Refers to year 2015. More recent numbers are not available.