

# Trade-offs related to groundwater/freshwater resources in Andalusia

Strategies to address social,  
ecological and economic trade-offs  
in regional bioeconomy  
development

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# THE CASE OF THE **ANDALUSIA** REGION

- ❖ The management of water resources in Spain is based on the European Water Framework Directive (Directive 2000/60/EC). The transposition of this Directive was carried out through Law 62/2003.
- ❖ To carry out the evaluation of the capacity of surface water and groundwater bodies potentially relevant to the region of Andalusia, the data collected in the Third River Basin Management Plan (2022-2027) of the Guadalquivir River Basin District (RBD) [1]:

State	Bodies in Good Condition		Bodies in Bad Condition	
	No.	%	No.	%
Quantitative State	54	63%	32	37%
Chemical state	62	72%	24	28%
<b>Global State</b>	<b>41</b>	<b>48%</b>	<b>45</b>	<b>52%</b>

Table 3. Overall Status of the groundwater bodies. Guadalquivir River Basin District





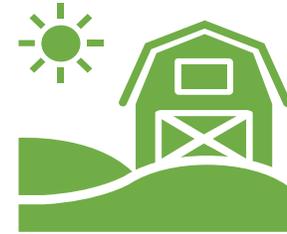
## Strategic lines and necessary measures

Improved water pricing to reflect true costs and promote conservation.

Better metering and monitoring of groundwater use.

Increased focus on water reuse and efficiency in agriculture.

Wastewater reuse.



## Proposed strategies

CESUR. Long-term strategic plan to meet the water needs of the agro-industrial, agricultural, industrial, tourism and urban supply sectors in Andalusia [4].

Spanish Government. Groundwater Action Plan 2023 – 2030 [5].

Financial Sector. Budget line for the digitisation of water use monitoring.

[4] *Diagnostico-sobre-las-necesidades-de-agua-en-andalucia.pdf*. (n.d.). Retrieved 30 October 2024, from <https://www.cesur.org.es/assets/diagnostico-sobre-las-necesidades-de-agua-en-andalucia.pdf>

[5] [https://www.miteco.gob.es/es/agua/participacion-publica/plan\\_accion\\_aguas\\_subterraneas\\_2023\\_2030.html](https://www.miteco.gob.es/es/agua/participacion-publica/plan_accion_aguas_subterraneas_2023_2030.html)

THANK YOU