A five-step process to identify water security investments that deliver the greatest benefit at the lowest cost

Step 5 — Ensure equitable social outcomes

Explore who will benefit or pay the costs of different water security options or groups of options. Ensure water security decisions are fair and equitable.

	Costs	Benefits
Families	\$	\$
Landowners	\$	
Government	\$ /	



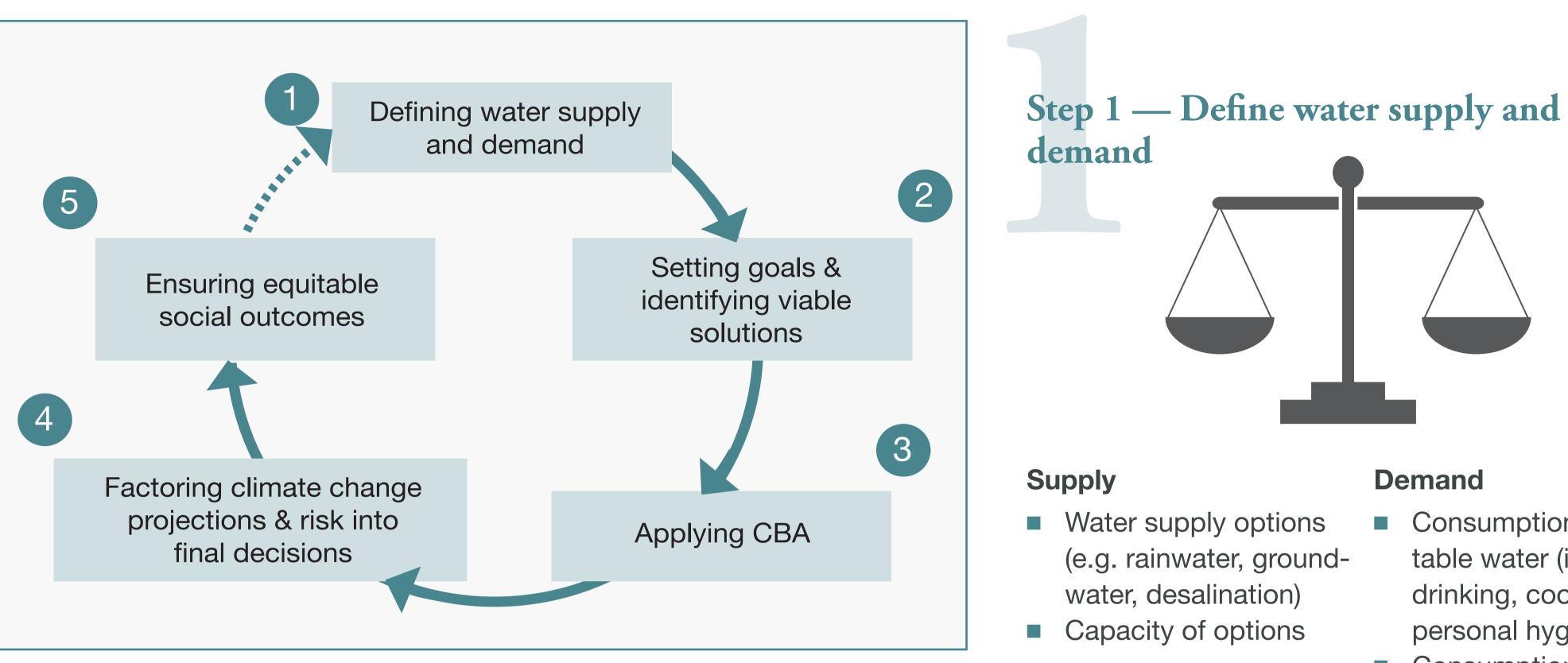
Test the robustness of CBA findings (water security options) against different climate change scenarios.

Standard drought scenario	for severe drought conditions based on the lowest 12-month rainfall in the historic record
Worst case drought scenario	set at -10 percent of the Stan- dard Drought Scenario, with drought occurring in two consec- utive years
Best case drought scenario	set at +10 percent of the Stan- dard Drought Scenario











Assign monetary values to costs and benefits (market and nonmarket) and compare for each group of options. This can be done with a spreadsheet-based model.

Water Security Decision-Making Framework

Step 3 — Apply cost-benefit analysis

BENEFIT COST Human health Equipment ### benefits \$\$\$ Labour ### Increased Maintenance ### agricultural productivity Leasing land \$\$\$ \$ \$ \$ Water cost savings \$\$\$



More important

- Consumption of potable water (i.e. for drinking, cooking, personal hygiene)
- Consumption of non-potable water (for other purposes)

Step 2 — Set goals and identify water security solutions

Identify water security options and groups of options to meet water security goals.

