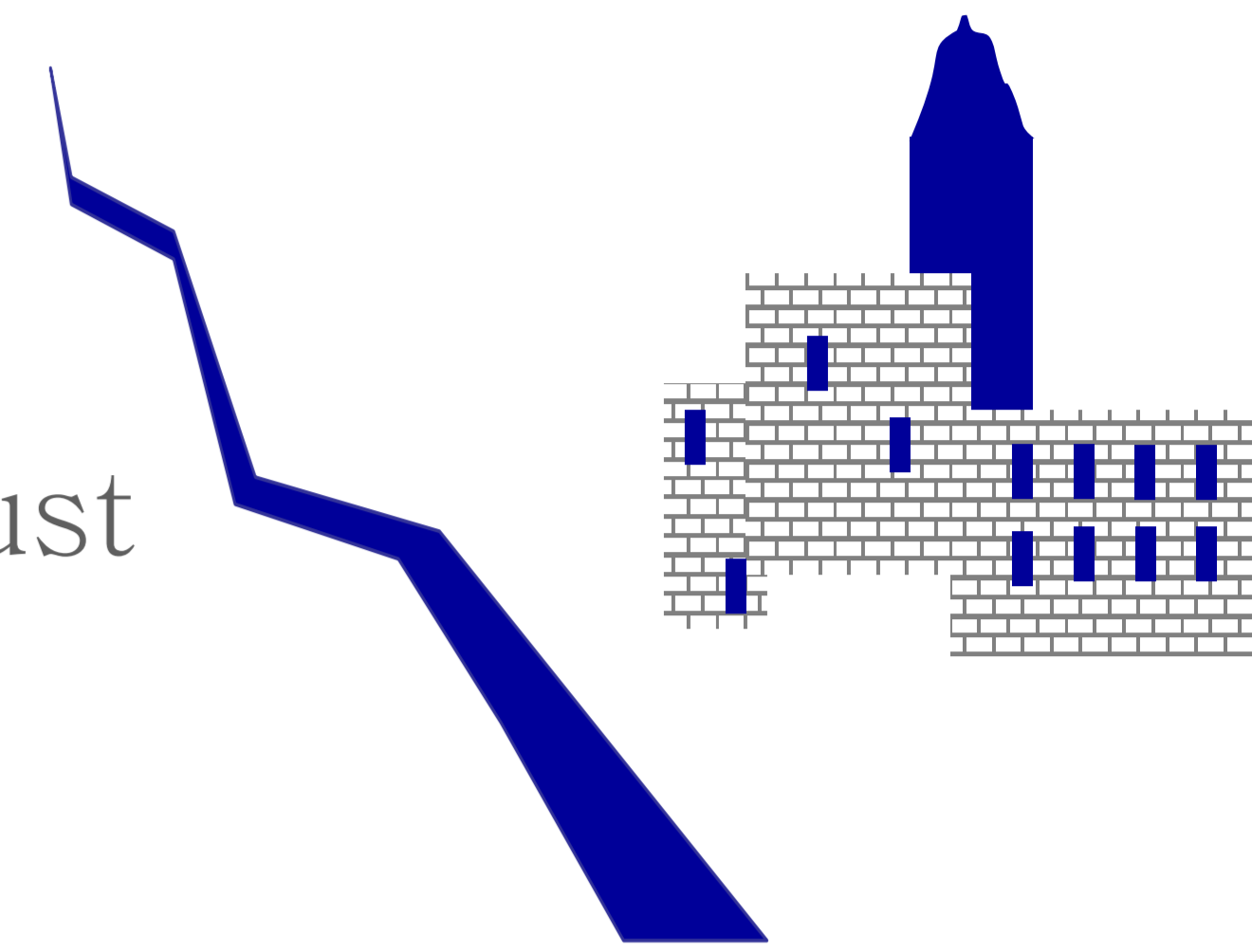




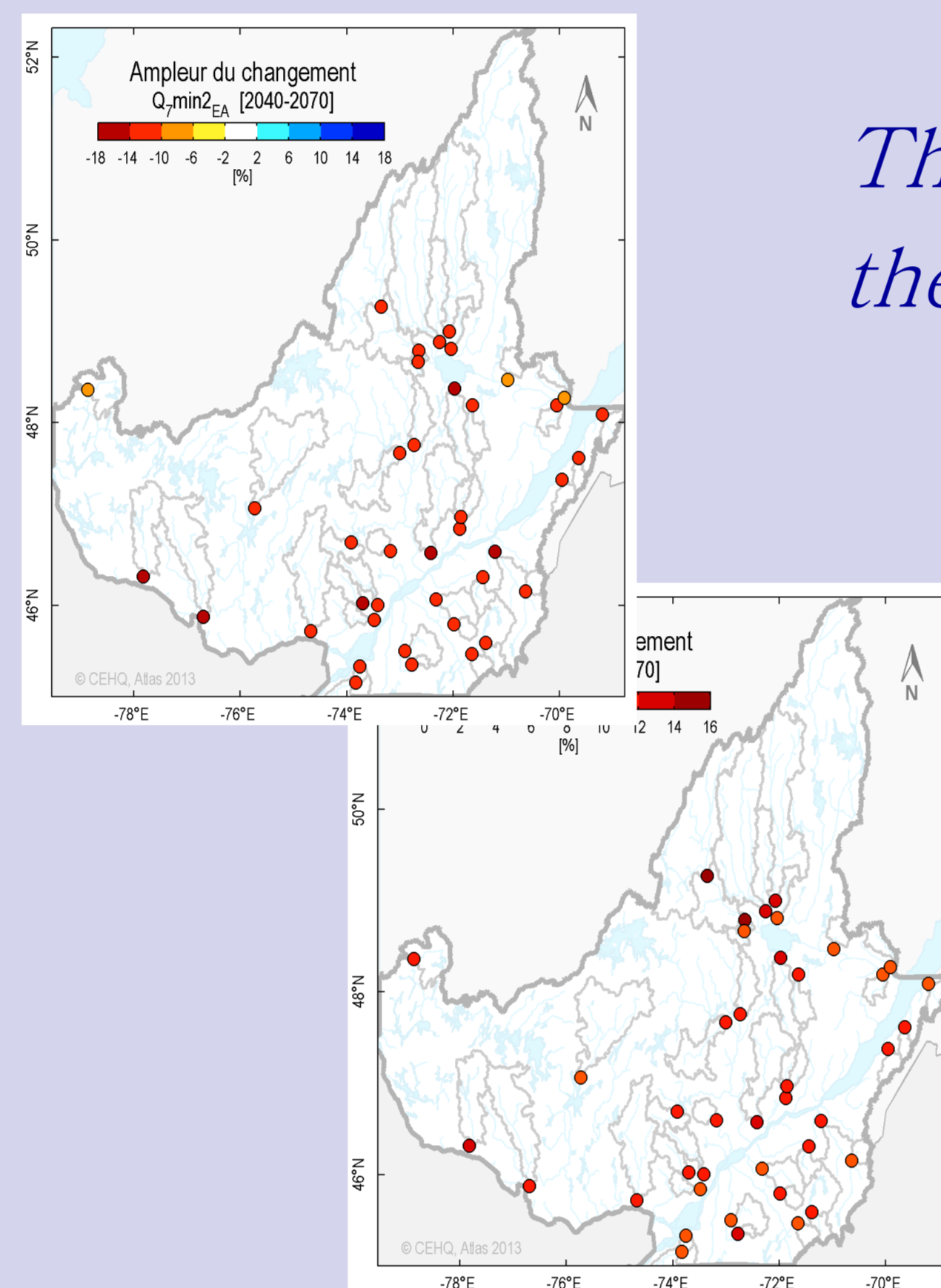
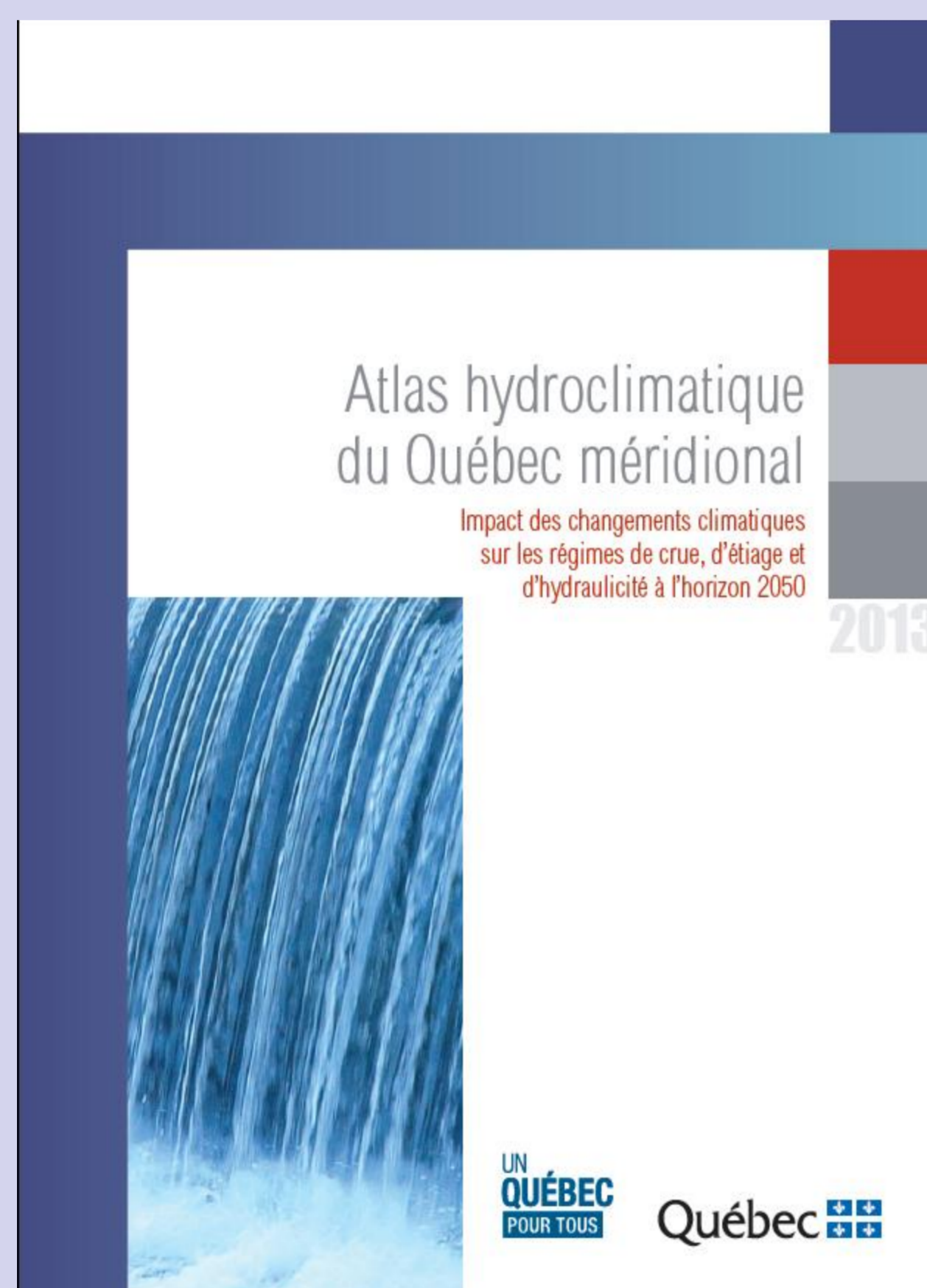
Simulate decision making by integrating climate change impact knowledge

CONTEXT

- The municipality of Belle-Rive is located near the Blue River.
- When the river reaches a critical low flow threshold, the municipality must pump water from the nearby river. This measure involves costs for the municipality.

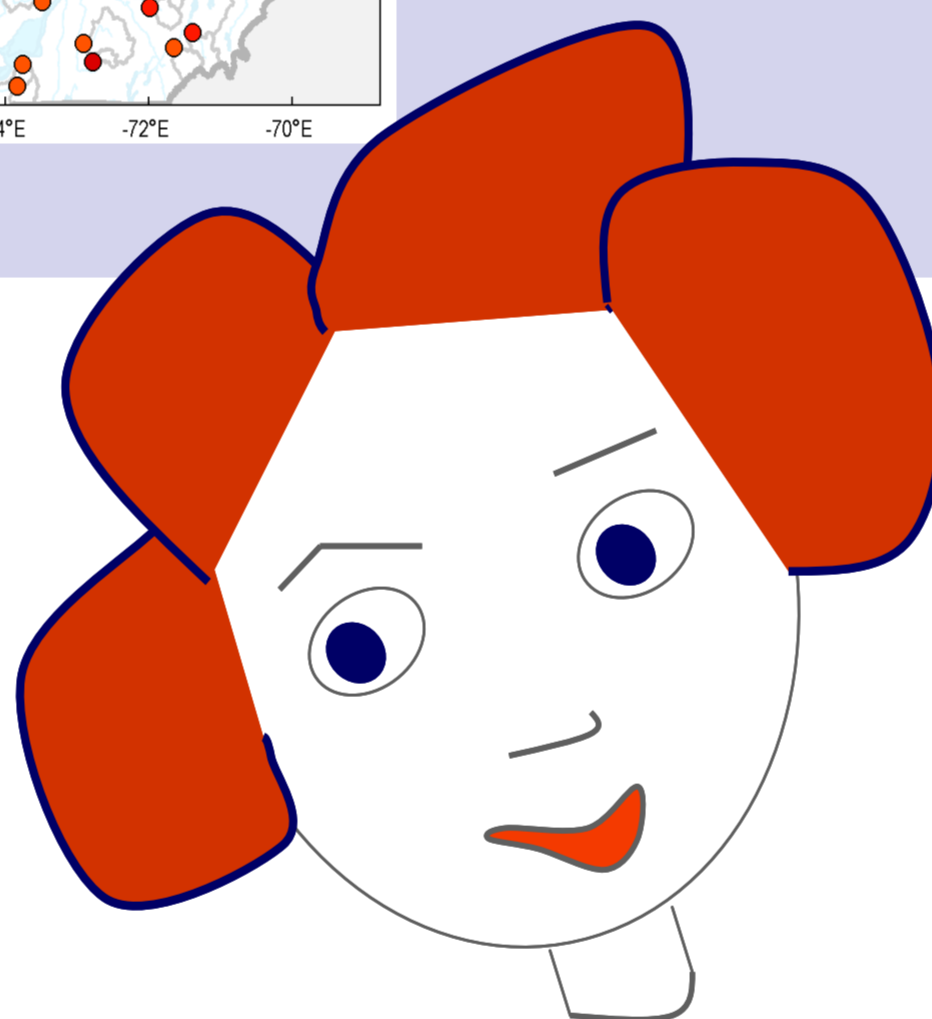


Hydroclimatic Atlas of southern Quebec



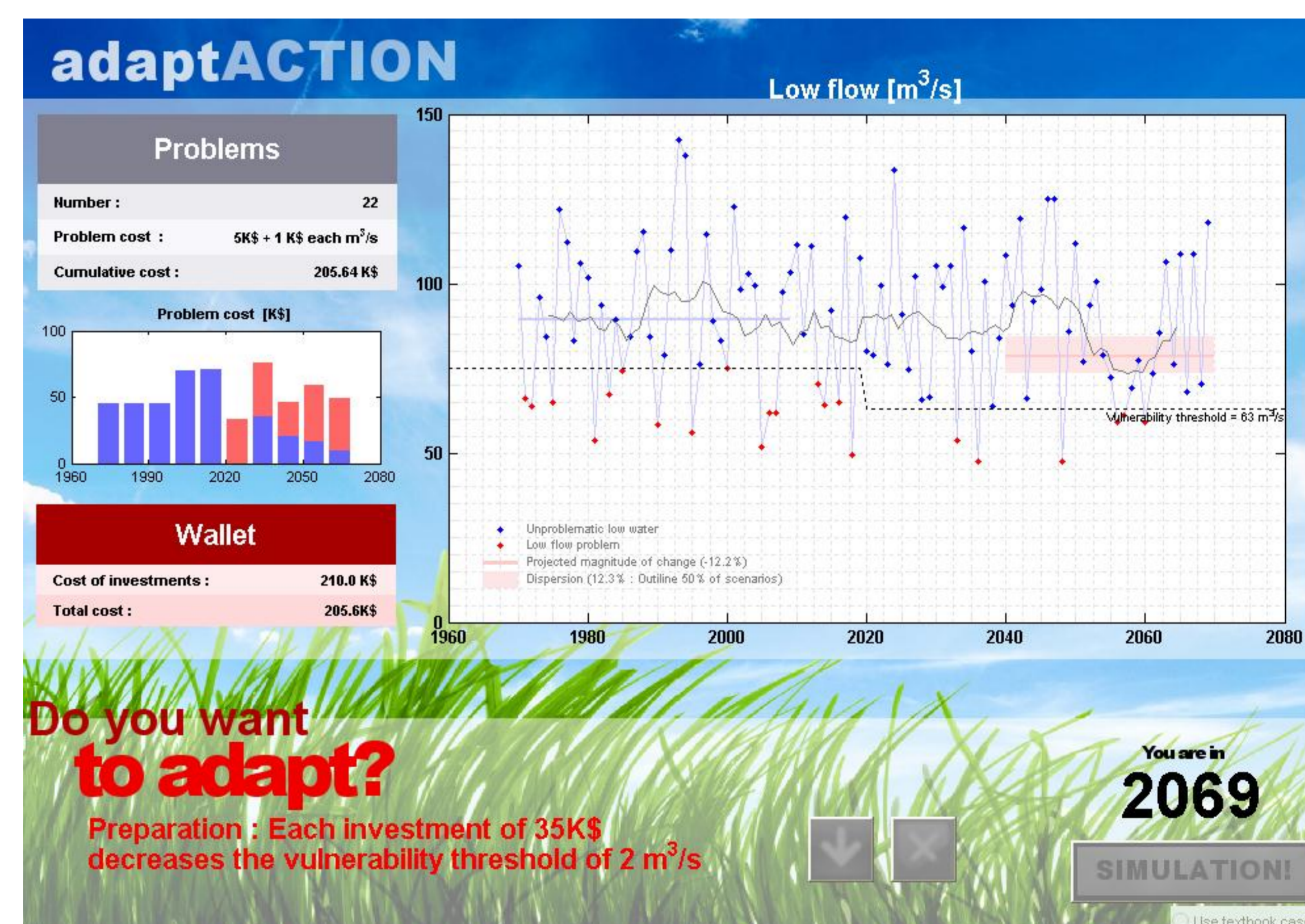
This document describes the impact of climate change for the Blue River in 2050:

- the critical low flow rate will probably decrease of about **-12%**;
- 50% of scenarios indicate a change between **-6%** and **-18%**.



PURPOSE OF THE GAME

- You play as the mayor of Belle-Rive.
- You are planning to adapt your infrastructures to reduce your vulnerability to low flows.
- You must identify the optimal design for your infrastructures to minimize costs by 2070.



- Mr. Skinflint remains skeptical about the existence of climate change. He considers excessive the investment required to implement the changes.
- He suggests the status quo.
- Compare your management to Mr. Skinflint's suggested solution.

