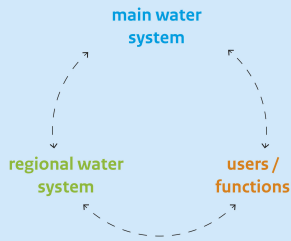


# Map 6 Freshwater preferential strategy



## Freshwater measures

### short term

- effective and efficient water consumption<sup>1</sup>
- permanent freshwater buffer IJsselmeer and Markermeer lakes 20 cm (with robust design, including shore faces)
- smart water management (Hollandse IJssel, Amsterdam-Rijnkanaal, Noordzeekanaal and weirs at Driel, Amerongen and Hogestein)
- trial with erosion control dams constructed parallel to the river current
- expand alternative supply routes to 15 m<sup>3</sup>/s
- bypass Irene locks for small-scale water supply
- optimise management of Bernisse-Brielse Meer lake (including use of intake at Spijkenisse)
- optimise management of Volkerak-Zoommeer lake
- improve freshwater/saltwater separation at locks
- increase Noordervaart capacity from 4 to 5 m<sup>3</sup>/s

### medium term (opportunities)

- effective and efficient water consumption<sup>1</sup>
- further increase permanent freshwater buffer in IJsselmeer and Markermeer lakes (maximum 40-50 cm)
- water-saving measures during lockage in Meuse
- transport of water from Waal to Meuse
- scaling up erosion control dams constructed parallel to the river current
- expand alternative supply routes to 24 m<sup>3</sup>/s, possibly with permanent supply from the east
- increase Bernisse-Brielse Meer lake buffer/small-scale alternative supply
- alternative robust freshwater supply in Volkerak-Zoommeer lake area<sup>2</sup>
- increase Noordervaart capacity from 5 to 6 m<sup>3</sup>/s
- connect with Liemers area

### long term (opportunities)

- effective and efficient water consumption<sup>1</sup>, accept water shortages
- further increase permanent freshwater buffer in IJsselmeer lake
- adjust discharge distribution during low water
- replace Maeslantkering storm surge barrier after 2070 (may help prevent saltwater intrusion)
- expand alternative supply routes to >24 m<sup>3</sup>/s, possibly with permanent supply from the east
- (large-scale) alternative supply Bernisse-Brielse Meer lake

## Basic map

- Western Netherlands region
- IJsselmeer region
- Elevated sandy soils region
- River region
- Southwest Delta region
- Wadden region
- freshwater
- saltwater / brackish water
- area outside the dykes
- border

1 for generic measures, see adaptation path for Freshwater Western Netherlands

2 Roode Vaart programming has been put on the agenda for this Cabinet's term of office ( sub-section 4.3, table 13)