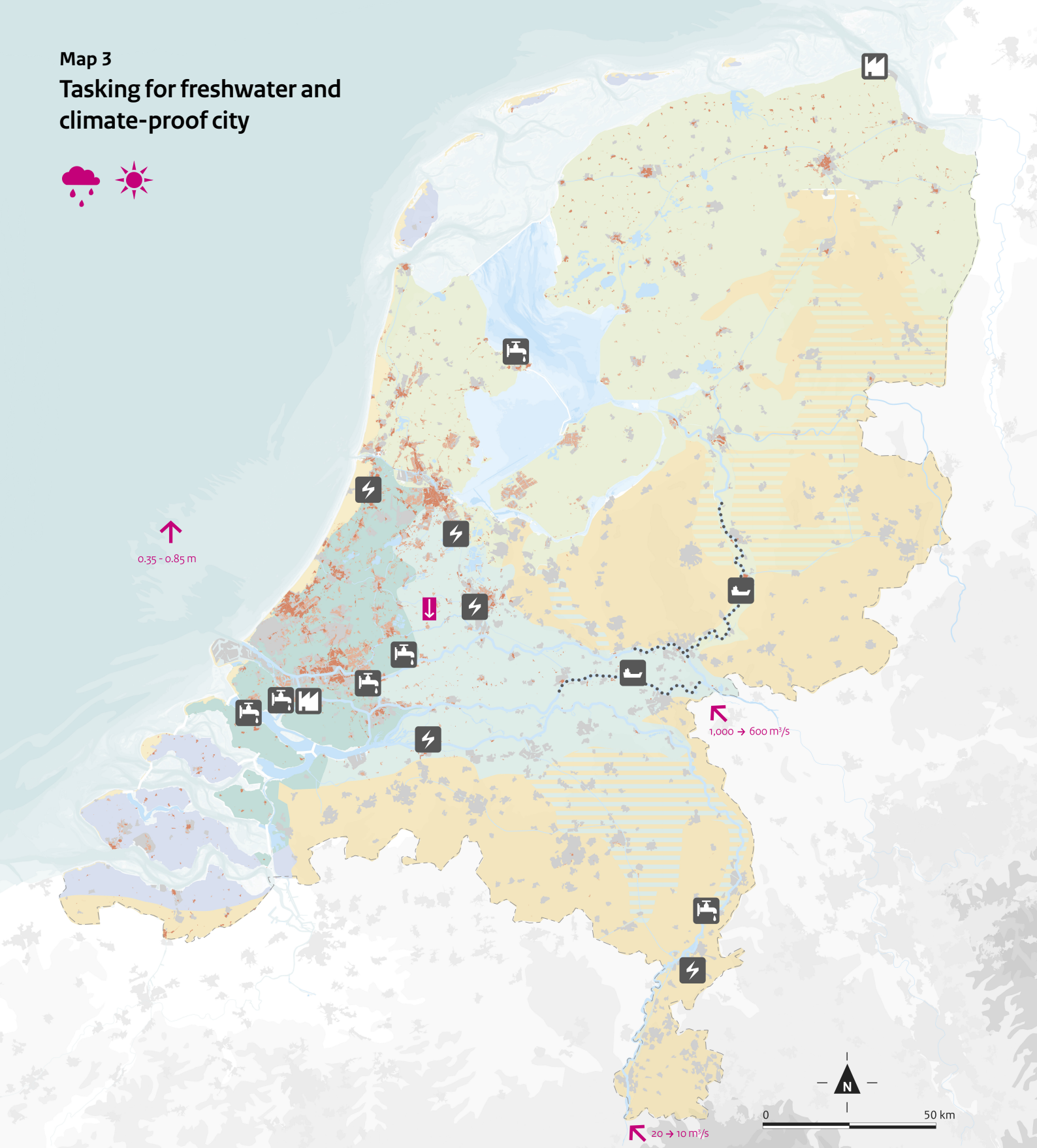


Map 3 Tasking for freshwater and climate-proof city



Freshwater tasking

- possible excessive demand on IJsselmeer Region water buffer
- falling groundwater levels and no water supply
- falling groundwater levels and limited water supply
- intake points become salinised (e.g. Gouda and Bernisse)
- water levels in rivers and canals are too low
- no water supply possible and salinisation



shipping: safeguard navigability in the case of low water



drinking water: protect intake points



industry: reduce delivery issues



energy: safeguard cooling water discharge

Tasking for a climate-proof city

high-density urban areas with a significant amount of paving run a higher risk of damage

urbanisation until 1940, probability of pile rot

risk of differential settlement

other urbanised areas

Causes



temperature increases



increase in precipitation



rising sea levels: 0.35 - 0.85 m



low-water discharge:
(in the case of W+ 2050 1/10 years)
Rhine: 1,000 → 600 m³/s
Meuse: 20 → 10 m³/s



soil settlement (soil subsidence)