

# Protection of groundwater-based water supply

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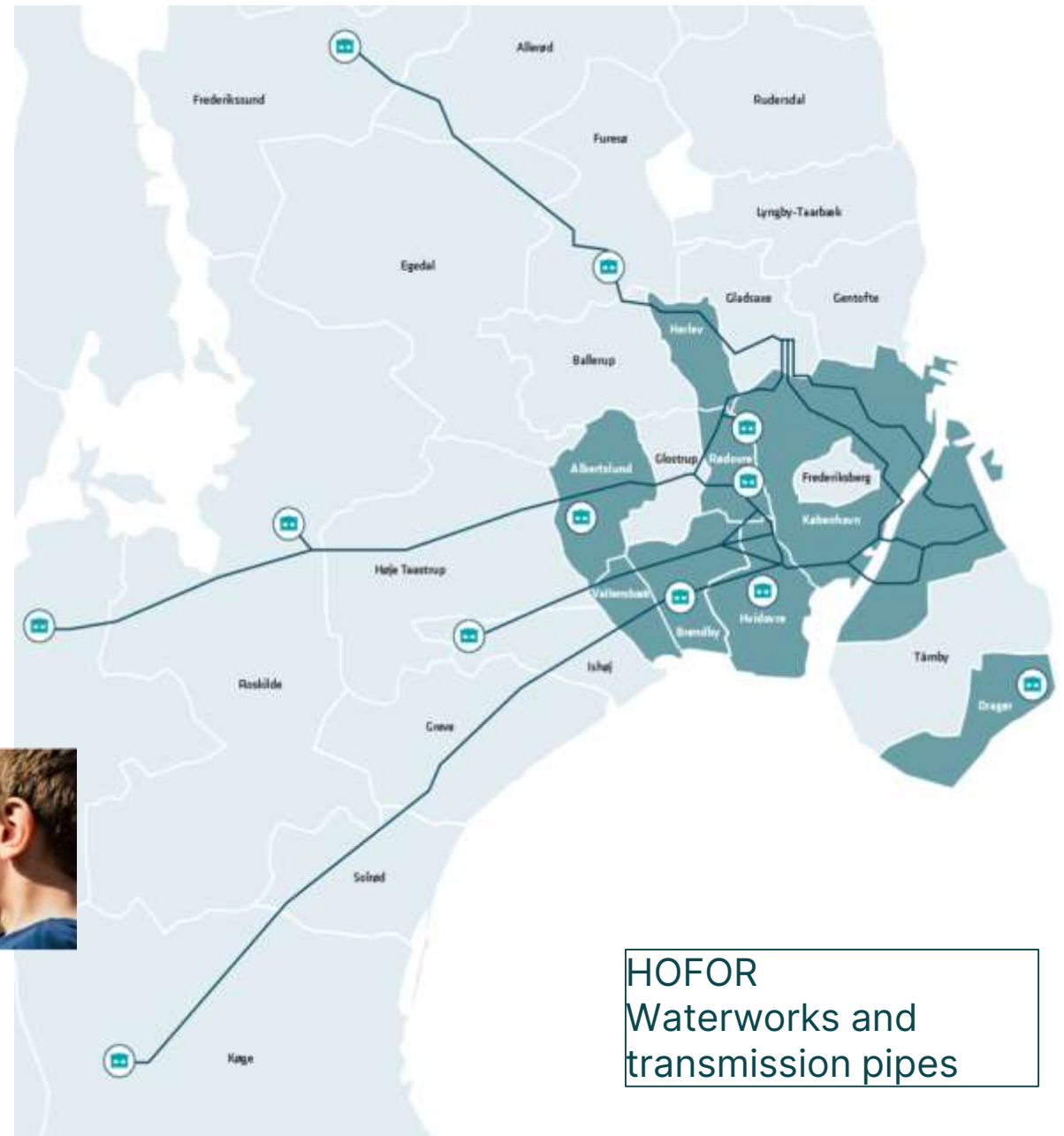
# Danish water supply

- Entirely groundwater based
- Decentralized (>2500 waterworks)
- Aeration and sand filtration
- No chlorination
- Historically seen as a very very clean, pristine and well protected resource...



# HOFORs water supply system

- Not designed to remove trace contaminants

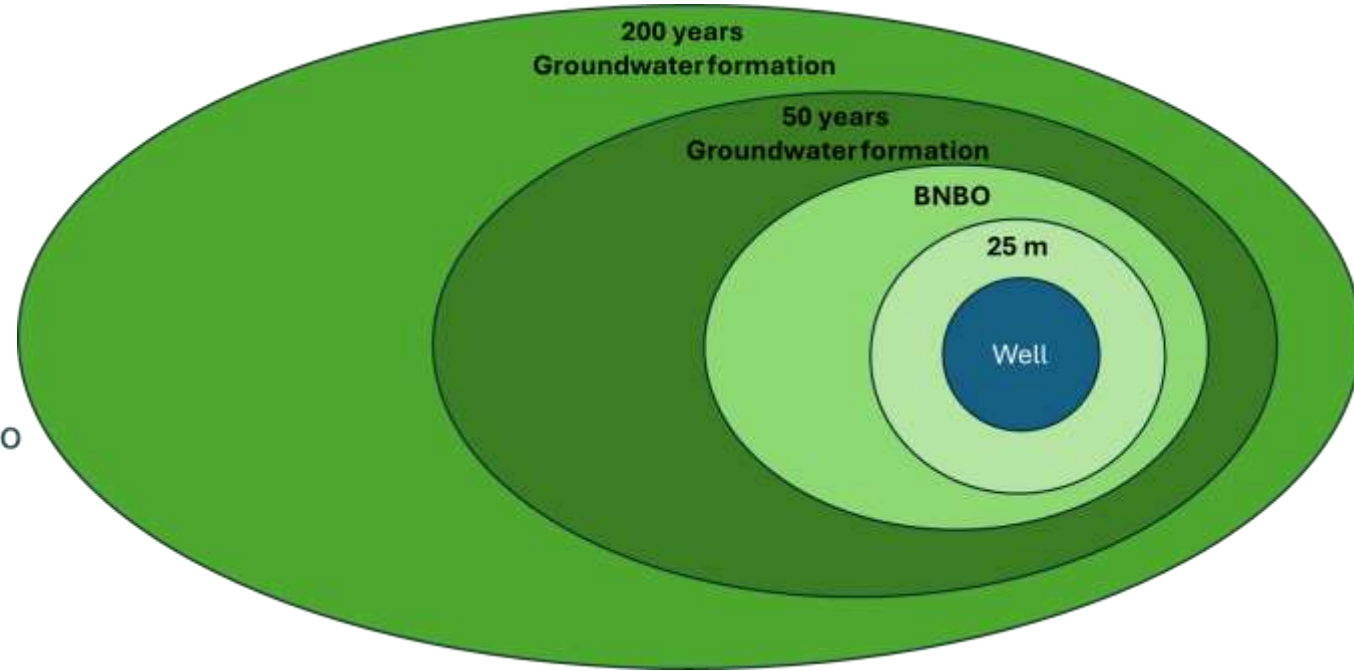


# The way ahead follows two paths

## 1. Long term (decades) – groundwater protection:

The aim is to have CLEAN groundwater

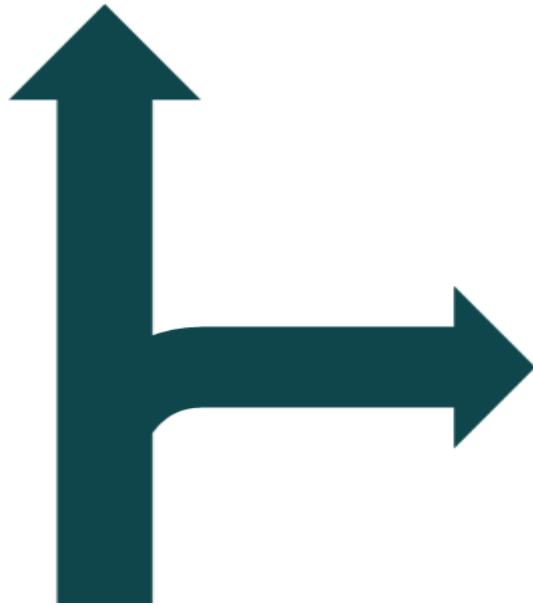
- E.g. well protection zones and reforestation (tricky due to difficult negotiations with land owners)
- New well fields (tricky due to nature protection)



## 2. Short term (years) – treatment at selected well fields and waterworks:

Ensure drinking water quality now

- Monitoring
- Advanced treatment at selected sites



# Thanks for listening

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