

City Blueprint Approach

Jelle Behagel, PhD
J.H.Behagel@uu.nl

ARCADIS

KWR Watercycle Research Institute

Deltares

Utrecht University



Universiteit Utrecht



Urbanization

Urban areas of the world are expected to absorb all the population growth expected over the next four decades. By 2050, urban dwellers will likely account for 88 % of the population in the more developed regions and for 64 % of that in the less developed regions.

Climate change

Climate change may worsen water services and quality of life in cities.

Water use & water scarcity

Water withdrawals have tripled over the last 50 years. In 2030, there will be a 40% supply shortage of water.

Sanitation

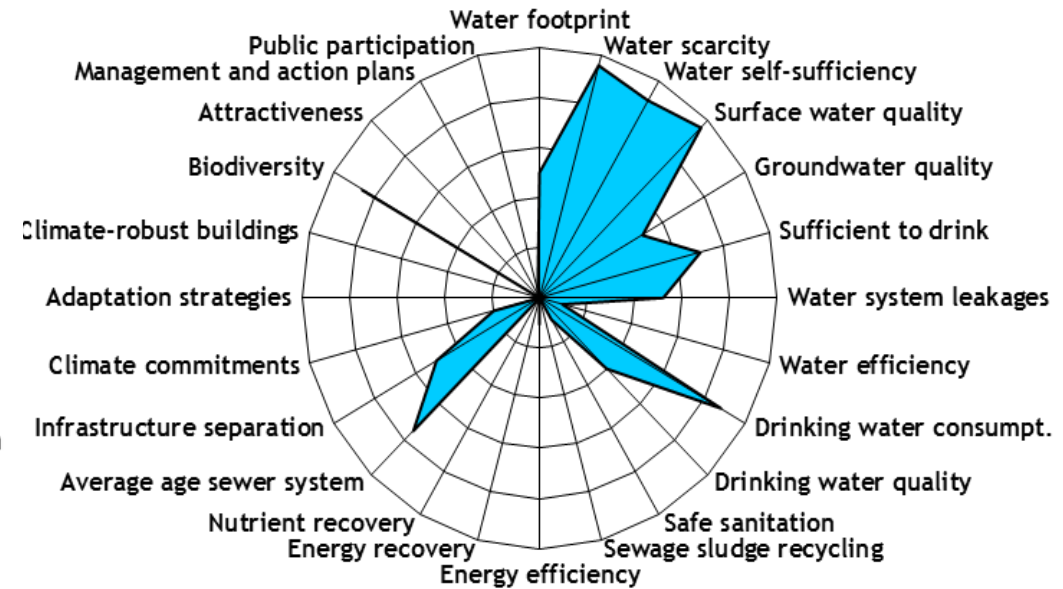
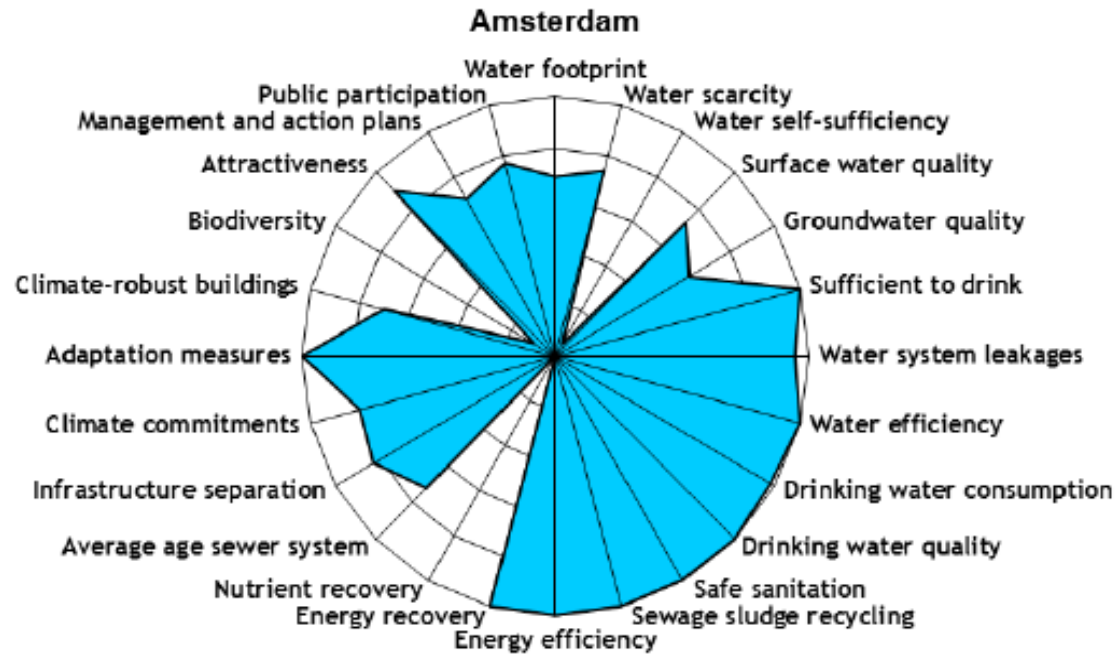
Currently, 2.5 billion people are without improved sanitation facilities.

Human health

Currently, 3.4 million people - mostly children - die from water-borne diseases every year.

Hazards

Water-related hazards account for 90% of all natural hazards.



<http://www.eip-water.eu/working-groups/city-blueprints-improving-implementation-capacities-cities-and-regions-ag041>

or

<http://bit.ly/1l73mwf>

Project approach

1. Baseline assessment of urban water cycle in city using City Blueprint methodology
2. Comparison of the results with other cities worldwide (30 and counting), exchange of experiences and best practices
3. Finding appropriate solutions (social and technical) by drawing on broad expertise of four leading Dutch organizations in water management
4. Development of business cases for proposed solutions