

SURVEYING URBAN WATER MASS FLOWS AND CONTAMINANTS TO SET RESILIENT DRAINAGE AND INFILTRATION TARGETS

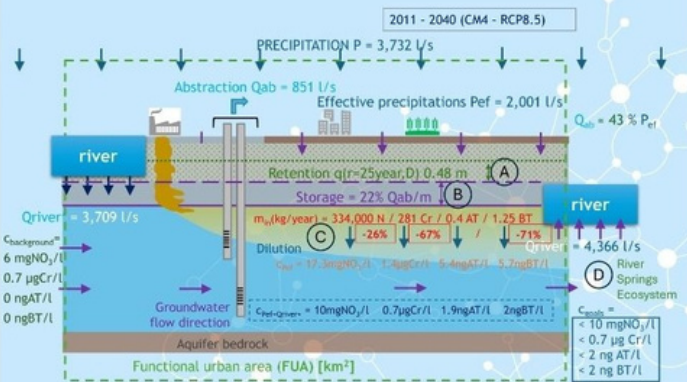
WHY ASSES WATER AND CONTAMINANTS FLOWS?



What enters, what leaves, what remains
Urbanisation changes the natural water cycle and contaminant pathways.

MAINTAINING GROUNDWATER BALANCE

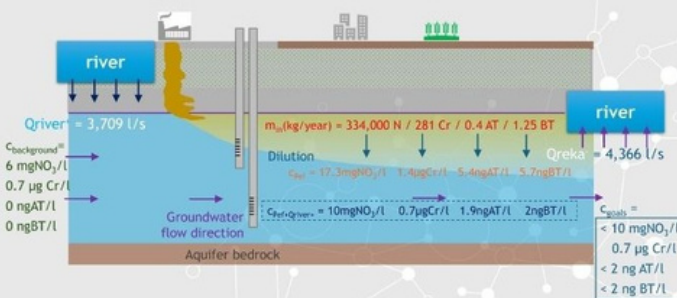
Protecting groundwater under changing conditions



The methodology identifies areas where infiltration should be increased to maintain groundwater quantity and support drinking water resources.

WHAT IS THE LOAD AND ITS IMPACT?

Assessing risks to groundwater quality

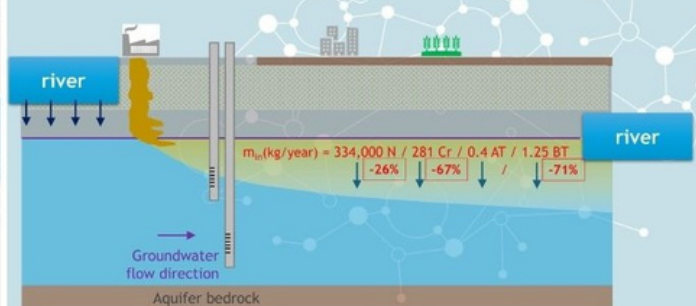


The concept evaluates contaminant mass flows from urban drainage systems and compares them with the environment's dilution capacity.

HOW MUCH LOAD REDUCTION IS NEEDED?

Defining resilient drainage targets

Retention and infiltration measures are sized according to local conditions, infiltration capacity, and pollution levels.



See more:

[Survey of urban drainage efficiency for resilience of groundwater quality](#)