

THE GUIDELINES FOR DESIGNING BLUE-GREEN INFRASTRUCTURE FOR RAINWATER RETENTION AND GROUNDWATER RECHARGE

WHAT IS BGI AND WHY IS IT NEEDED?



Blue-green infrastructure (BGI) is a key layer of the sponge city concept.

Investors, designers and public administration need support in terms of technical knowledge that would allow them to choose the right solutions.

Limitations include



high
groundwater
levels



low soil
permeability



unfavorable
topography



geohazards

BGI CATALOGUE



A structured knowledge base
describing each BGI technology:

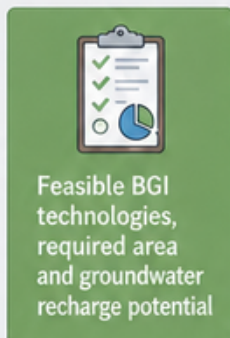


BGI TOOL

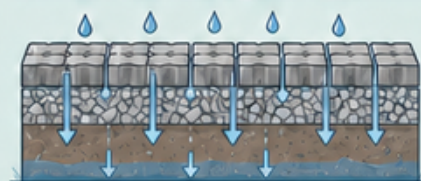
DATA



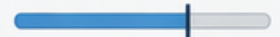
RESULT



JAWORZNO PILOT RESULTS



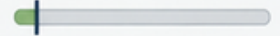
65-80%
reduction in surface runoff



~20%
of precipitation infiltrated



<5%
runoff share of water balance



Pilot testing of permeable pavement plots.

See more:

[BGI tool](#)

[BGI catalogue](#)