

Our motto

Water is one of the most valuable resources. पानी तो सबसे क़ीमती संसाधनों में से एक है I Pani to sabse kīmtī saṁsādhanõ ek hai.



We believe that today no one can afford to waste it. हमको विश्वास है कि आजकल इसे बर्बाद करने का जोखिम कोई नहीं उठा सकता। Hamko visvās hai ki ājkal use barbād karne kā jokhim koī nahī uṭhā saktā.

Think different about rain, think different about stormwater, go digital and enjoy the water!







First step into digital stormwater management





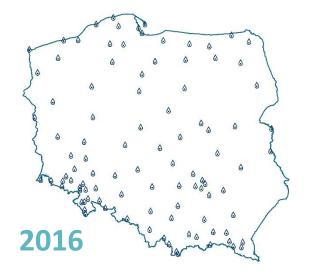
Development and introduction of the Polish Atlas of Rainfall Intensities (PARIs - PANDa)



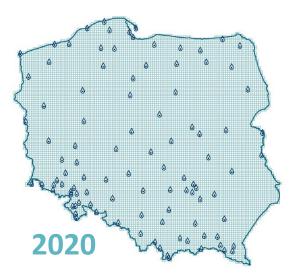




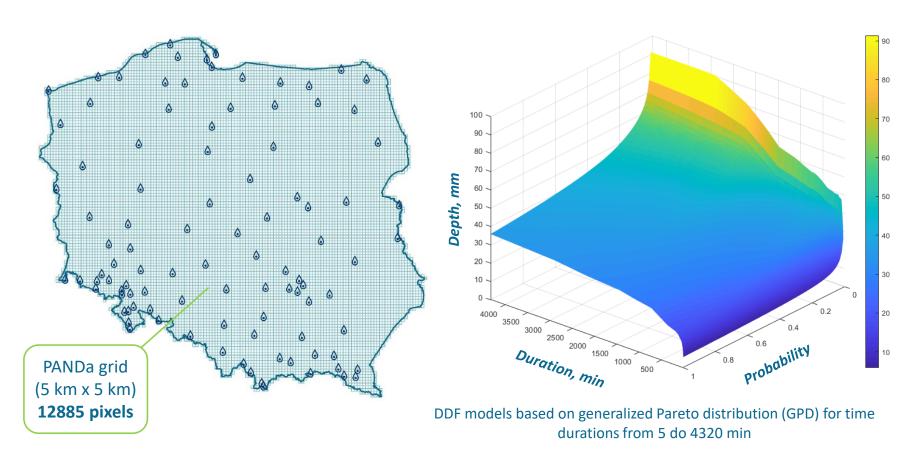
- 1) Rainfall digital database 100 gauges (1986-2015)
- 2) Selection of maximum precipitation depths and best fitting distributions for DDF models
- 3) Geostatistical simulations and digital platform on web



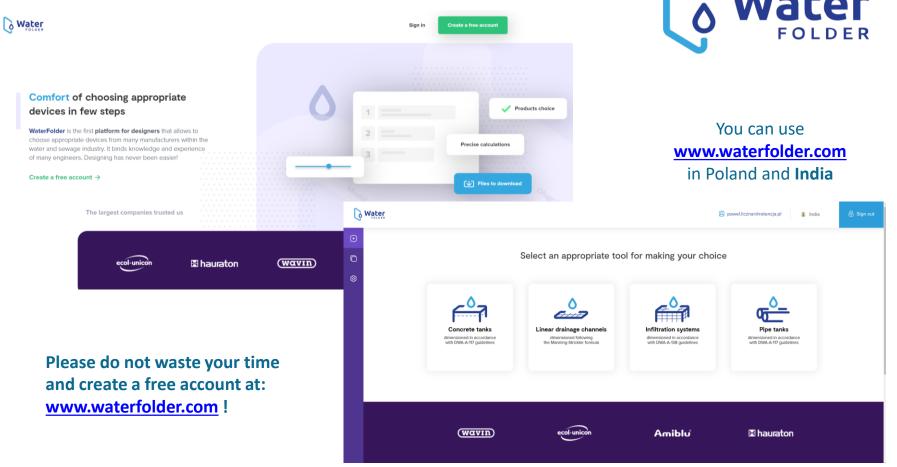




Plethora of precipitation models and what next?

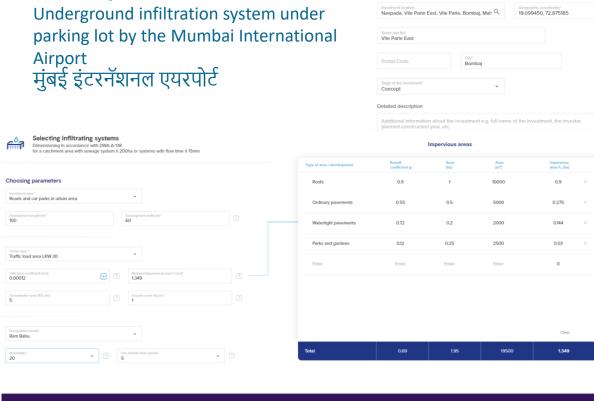


People need tools - digital tools - not models



Let's see how it works?

Case study:

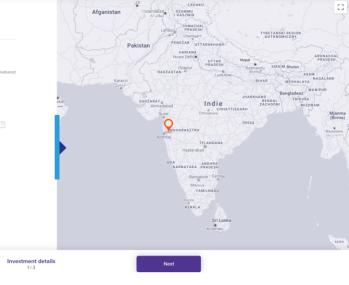


Choosing parameters

for a catchment area with sewage system ≤ 200ha or systems with flow time ≤ 15min

in the PDF file generated in the last step. The generated file may form an appendix to project documentation

Infiltration facility

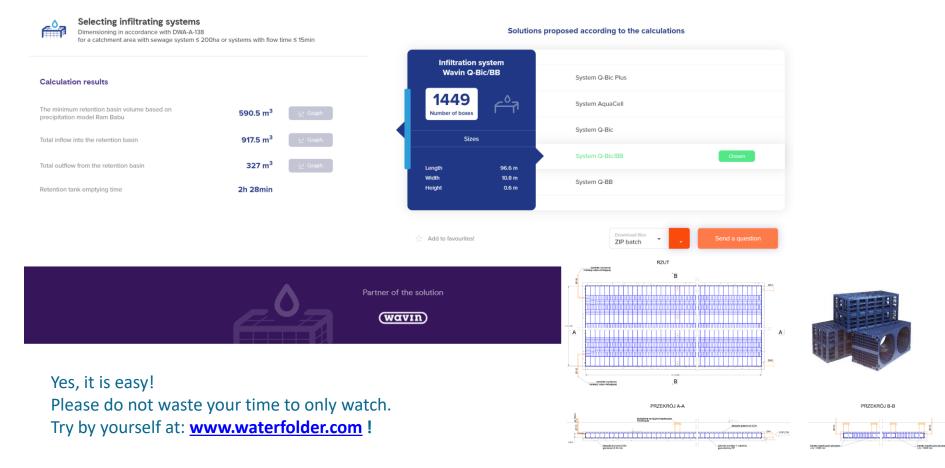


Step 1 Location on Google Map **Step 2** Introduction of boundary design
parameters, eg. infiltration coeff., surface
outflow areas, runoff coeff., rainfall
probab./freq., precipitation model:

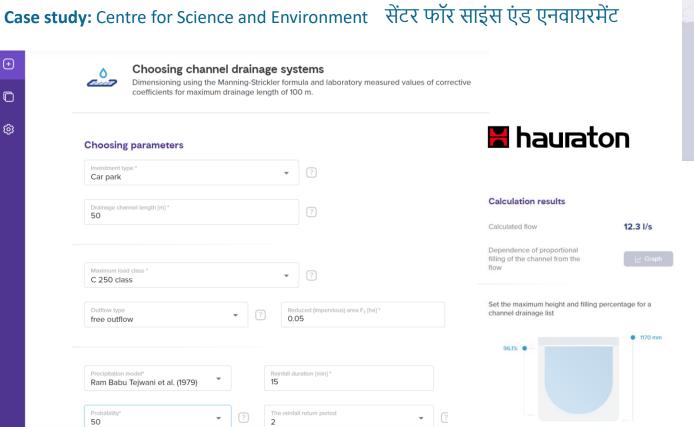
Ram Babu Tejwani, K. K., Agarwal, M. C., and Bhushan, L. S. (1979), Rainfall intensity-duration-return period equations and nomographs of India. CS&WCRII, Indian Council for Agri. Res., (ICAR), Dehradun, India

Step 3 Calculation results and target
solution selection →

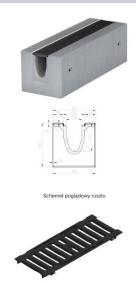
Calculation results and target solution selection



Let's design channel drainage



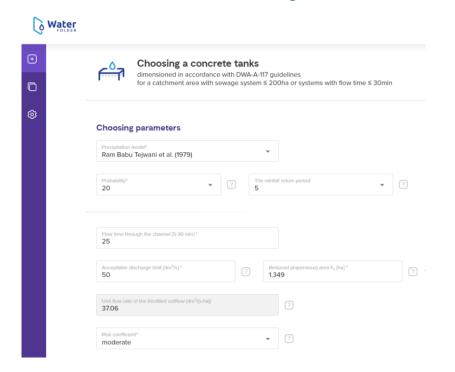




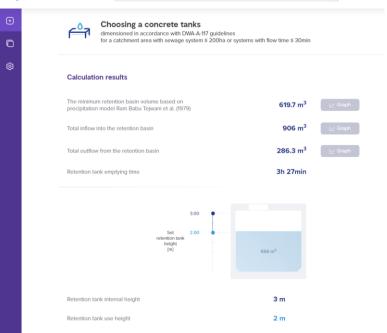
Let's design stormwater retention tank

Case study:

Underground retention tank under parking lot by the Mumbai International Airport मुंबई इंटरनॅशनल एयरपोर्ट







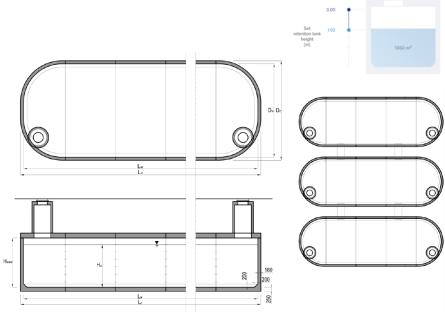
& Water

Flexible retention solutions



Choosing a concrete tanks

dimensioned in accordance with DWA-A-117 guidelines for a catchment area with sewage system \leq 200ha or systems with flow time \leq 30min

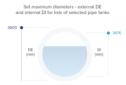


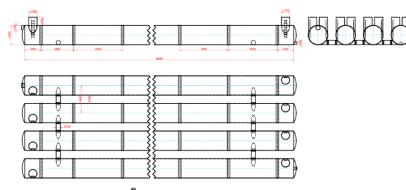




Selecting pipe tanks

dimensioning in accordance with DWA-A-117 guidelines for a catchment area with sewage system \leq 200ha or systems with flow time \leq 30min









Summary



- 1) We need more tools, digital tools than advanced precipitation models
- Tools should be available for free on the Internet
- 3) We need to combine knowledge about precipitation with calculation algorithms and the know-how of producers
- 4) You can't change the world alone...

Please give us your feedback about WaterFolder India!

LET'S TALK

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See you in Poland...



