Brief overview of selected criteria

Five criteria have been currently selected within the framework developed for GOWARE-DST:

1) **Water protection functionality**, intended as the effectiveness of BMP for the main Adaptation target: protecting water resources (in terms of quantity and/or quality) and/or flood risk mitigation.

2) **Cost of the measure**, defined as a general cost to performance ratio. Sometimes this ratio is very difficult to assess, due to local peculiarities.

3) **Time necessary for the implementation** of the BMP. Some BMPs could be implemented quite rapidly (sealing of well heads) because they usually do not require demanding permitting procedure and property rights. Some other can have long implementation timeframe, even several years (e.g. retention basins).

4) **Robustness of BMP** intended as resilience also to external further forcing not planned in design phase or perfectly recognizable (e.g. adaptation to climate change).

5) **Multi-functionality**, intended as the capability to address also further functions and services (e.g. better provisioning, climate regulation, recreational).

The semantic scale used in the AHP model

Intensity of importance	Definition
1	Equal importance
3	Weak importance of A over B or vice versa
5	Strong importance of A over B or vice versa
7	Very strong or demonstrated importance of A over B or vice versa
9	Extreme, absolute importance of A over B or vice versa
Reciprocal of the above judgments	If criteria A has one of the above judgments assigned to it when compared with B, then B has the reciprocal value when compared with A

Pairwise comparisons

	Please indicate what criteria do you consider more relevant:									How much more?	
	A	*B*									
1	Water protection functionality	Cost of the measure	A	B	1	3	5	7	9		
2	Water protection functionality	Time necessary for implementation	A	B	1	3	5	7	9		
3	Water protection functionality	Robustness of BMP	A	B	1	3	5	7	9		
4	Water protection functionality	Multi-functionality	A	B	1	3	5	7	9		
5	Cost of the measure	Time necessary for implementation	A	B	1	3	5	7	9		
6	Cost of the measure	Robustness of BMP	A	B	1	3	5	7	9		
7	Cost of the measure	Multi-functionality	A	B	1	3	5	7	9		
8	Time necessary for implementation	Robustness of BMP	A	B	1	3	5	7	9		
9	Time necessary for implementation	Multi-functionality	A	B	1	3	5	7	9		
10	Robustness of BMP	Multi-functionality	A	B	1	3	5	7	9		