

TABLE 2: Ecosystem services potentials of sustainable urban drainage solutions

	Green roofs	Green walls	Street trees	Stormwater planter	Rainwater cistern	Infiltration pit	Permeable pavements	Canals and rills	Bioswale	Raingarden	Ditch	Detention basin	Infiltration basin	Pond	Wetland	Filter strip
 Water retention	X	X	X	X	X	X	X	O	X	X	O	X	O	X	X	O
 Water filtration	O	O	X	X	-	O	X	-	O	X	O	O	X	O	X	X
 Mediation of waste and toxins	O	O	X	X	-	-	-	-	X	O	O	O	X	O	X	X
 Erosion prevention	-	-	X	O	O	O	O	O	-	X	-	O	O	-	X	O
 Soil fertility and formation	-	-	X	O	-	O	-	-	O	X	O	-	O	-	X	O
 Nutrient retention / Nitrogen fixation	O	O	X	O	-	-	-	-	O	X	-	O	O	O	X	O
 Climate regulation	X	X	X	O	-	-	-	O	O	O	-	-	-	O	X	-
 Air quality regulation	O	O	X	O	-	-	-	-	X	O	-	-	-	-	X	O
 Carbon sequestration and storage	-	-	O	O	-	-	-	-	O	O	-	-	-	-	X	-
 Biological control	O	O	O	O	-	-	-	-	O	O	-	-	-	O	X	-
 Habitats, genetic diversity and pollination	X	X	O	X	-	-	-	-	X	X	X	X	O	X	X	X
 Food	O	O	-	-	O	O	-	-	-	O	-	-	-	O	-	-
 Raw material	-	-	-	-	-	-	-	-	O	-	-	-	-	-	O	-
 Fresh water	-	-	-	-	-	-	-	-	O	O	-	-	X	O	O	O
 Genetic resources	-	-	-	-	-	-	-	-	-	-	-	-	-	O	O	-
 Recreation and mental and physical health	O	O	O	O	-	-	-	O	O	X	-	O	-	X	O	-
 Aesthetics and source of inspiration	X	X	X	X	-	-	O	O	X	X	-	O	O	X	X	O
 Tourism and nature experiences	O	X	O	O	-	-	-	-	O	O	-	O	-	X	X	-
 Education and science	X	X	X	X	-	-	-	-	X	X	O	O	O	X	X	-

X Good potential for providing the service

O Moderate potential for providing the service

- Low potential for providing the service (in some cases negative impact on the service)