

TABLE 5.1 FLOOD RISK MANAGEMENT METHODS AND SCALES OF APPLICATION

OBJECTIVE		STRUCTURAL METHODS		NON-STRUCTURAL METHODS	
Type of intervention	Intervention scales	Hard methods	Natural and nature-based methods	Governance change	Community and household practices
Reduce, retain, detain and divert flood flows	Transnational/national	<ul style="list-style-type: none"> AX1 Dams and reservoirs AX2 Diversions 	<ul style="list-style-type: none"> AY1 Upper watershed restoration 	<ul style="list-style-type: none"> B1 Soil and watershed protection legislation (national level) 	Not applicable
	Watershed	<ul style="list-style-type: none"> AX1 Dams and reservoirs AX2 Diversions 	<ul style="list-style-type: none"> AY1 Upper watershed restoration AY2 Soil conservation measures AY3 Wetlands restoration 	<ul style="list-style-type: none"> B1 Soil and watershed protection legislation B2 Land use planning B4 Regular maintenance of headworks 	Not applicable
	Floodplain	<ul style="list-style-type: none"> AX3 Constructed wetlands and polders 	<ul style="list-style-type: none"> AY6 Detention basins and retention ponds 	<ul style="list-style-type: none"> B2 Land use planning B4 Regular maintenance of head-works 	Not applicable
	Community	Not applicable	<ul style="list-style-type: none"> AY4 Swales and infiltration devices 	Not applicable	<ul style="list-style-type: none"> B6 Crop change and alternative land use
	Household	Not applicable	<ul style="list-style-type: none"> AY5 Rainwater harvesting AY10 Green roofs/walls and blue roofs 	Not applicable	Not applicable
Improve drainage and enhance resistance to damage	Transnational/national	Not applicable	Not applicable	Not applicable	Not applicable
	Watershed	Not applicable	Not applicable	Not applicable	Not applicable
	Floodplain	<ul style="list-style-type: none"> AX4 Levees AX5 Canal widening and deepening AX9 Groynes and revetments AX6 Floodways AX7 Pumping AX8 Engineered drainage systems 	<ul style="list-style-type: none"> AY4 Swales and infiltration devices AY7 Natural drainage path restoration AY8 Riparian vegetation restoration AY9 Removal of barriers AY11 Coastal and reef restoration 	<ul style="list-style-type: none"> B4 Regular maintenance of headworks B2 Land use planning 	Not applicable
	Community	<ul style="list-style-type: none"> AX7 Pumping 	<ul style="list-style-type: none"> AY8 Riparian vegetation restoration AY9 Removal of barriers 	Not applicable	Not applicable
	Household	Not applicable	Not applicable	Not applicable	Not applicable
Adapt to floods	Transnational/national	Not applicable	Not applicable	<ul style="list-style-type: none"> B5 Flood monitoring and warning framework B3 Flood- and waterproofing (building regulations) 	Not applicable
	Watershed	<ul style="list-style-type: none"> AX11 Warning/evacuation infrastructure 	Not applicable	<ul style="list-style-type: none"> B3 Flood- and waterproofing (building) 	Not applicable
	Floodplain	<ul style="list-style-type: none"> AX10 Multipurpose infrastructure AX11 Warning/evacuation infrastructure 	Not applicable	Not applicable	Not applicable
	Community	<ul style="list-style-type: none"> AX9 Removal of barriers AX10 Multipurpose infrastructure AX11 Warning/evacuation infrastructure 	<ul style="list-style-type: none"> AY7 Natural drainage path restoration AY11 Coastal and reef restoration 	Not applicable	<ul style="list-style-type: none"> B3 Flood- and waterproofing (building regulations)
	Household	Not applicable	Not applicable	Not applicable	<ul style="list-style-type: none"> B3 Flood- and waterproofing (building regulations)

Table 5.1 is an excerpt from chapter 5 of the *Natural and Nature-based Flood Management: A Green Guide*.

For more information visit <http://envirodm.org/flood-management>