

**Typology of the Ecosystem Map of Hungary**

Level 1		Level 2		Level 3		Level 4			
1	Urban	11	Buildings	1110	Low buildings				
				1120	High buildings				
		12	Roads and railways	1210	Paved roads				
				1220	Dirt roads				
				1230	Railways				
		13	Other paved or non-paved artificial areas	1310	Other paved or non-paved artificial areas				
				1410	Green urban areas with trees				
		14	Green urban areas	1420	Green urban areas without trees				
2	Croplands	21	Arable land	2100	Arable land				
				2210	Vineyards				
		22	Permanent crops	2220	Fruit and berry, and other plantations				
				2230	Energy crops				
				2310	Complex cultivation patterns with scattered buildings				
		23	Complex cultivation pattern	2320	Complex cultivation patterns without buildings				
		3	Grasslands and other herbaceous vegetation	31	Sand steppes			3110	Open sand steppes
3120	Closed sand steppes								
32	Salt steppes and meadows (grasslands affected by salinisation included)			3200	Salt steppes and meadows (grasslands affected by salinisation included)				
				3310	Calcareous open rocky grasslands				
33	Open rocky grasslands			3320	Siliceous open rocky grasslands				
				3400	Closed grasslands in hills and mountains or on cohesive soil				
34	Closed grasslands in hills and mountains or on cohesive soil			3500	Other herbaceous vegetation				
4	Forests and woodlands	41	Forests without excess water	4101	Beech forests				
				4102	Sessile oak-hornbeam forests				
				4103	Turkey oak forests				
				4104	Downy oak forests				
				4105	Scots pine stands of Western Transdanubia				
				4106	Deciduous stands of Western Transdanubia mixed with Scots pine				
				4107	Native poplar dominated forests				
				4108	Pioneer forests of hilly and mountainous regions				
				4109	Pedunculate oak-hornbeam forests				
				4110	Pedunculate oak forests, monospecific or mixed with ash				
				4111	Forests dominated by other native tree species			41110	Forests dominated by other native tree species
								41111	Forests dominated by pedunculate oak
		41112	Forests dominated by hornbeam						
		41113	Forests dominated by ash species						
		41114	Forests dominated by maple species						
		41115	Forests dominated by linden species						
		41116	Forests dominated by willow species						
		41117	Forests dominated by juniper species						
		4112	Other mixed deciduous forests						
		42	Natural riverine (gallery) forests	4201	Riverine willow-poplar woodlands				
				4202	Riverine hardwood forests				
		43	Other forests with excess water	4301	Pedunculate oak forests, monospecific or mixed with ash	4301	Pedunculate oak forests, monospecific or mixed with ash		
						4302	Alder forests		
						4303	Pedunculate oak-hornbeam forests (with excess water)		
						4304	Willow woods outside the floodplain		
						4305	Poplar woods outside the floodplain		
						4306	Birch woodland		
						4307	Turkey oak forests with excess water		
				4308	Forests dominated by other native tree species with excess water	43080	Forests dominated by other native tree species with excess water (WEW)		
						43081	Forests dominated by hornbeam (WEW)		
						43082	Forests dominated by ash species (WEW)		
		4309	Other mixed deciduous forests with excess water	43083	Forests dominated by maple species (WEW)				
				43084	Forests dominated by linden species (WEW)				
		44	Plantations	4401	Conifer-dominated plantations	44011	Scots pine stands		
						44012	Black pine stands		
						44013	Norway spruce stands		
						44014	Other coniferous plantations		
						44015	Conifer-dominated mixed plantations		
				4402	Black locust-dominated mixed plantations	44021	Black locust plantations		
						44022	Black locust-dominated mixed plantations		
				4403	Plantations dominated by non-native poplar and willow species	44031	Non-native poplar and willow plantations		
						44032	Plantations dominated by non-native poplar and willow species		
				4404	Plantations of other non-native tree species	44041	Plantations of other non-native tree species		
		44042	Plantations dominated by other non-native tree species						
		45	Non-wooded areas registered as forest, or areas under reforestation	4501	Clear-cut				
				4502	Forest stand under regeneration				
		46	Other ligneous vegetation, woodlands	4600	Other ligneous vegetation, woodlands				
		5	Wetlands	51	Herbaceous-dominated wetlands	5110	Tall-herb vegetation of marshes and fens standing in water		
5120	Fens and mesotrophic wet meadows, grasslands with periodic water effect								
52	Woodland-dominated wetlands			5200	Swamp woodlands				
6	Rivers and lakes	61	Water bodies	6100	Water bodies				
		62	Water courses	6200	Water courses				