Supplementary material 1 *Table A: Proposal of a classification system for ecosystem types (ETs) in Germany, assignment to the European ecosystem types according to EUNIS and to the CLC types of the database LBM-DE*

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| **Main ET** | **Sub-ET** | **EUNIS Code** | **EUNIS-Ecosystem name** | **CLC Code** | **CLC-Name**  |
| 1 Semi-natural open areas | 11Natural grassland and heathland | E1(n.94-98)E2.1-3,7-8E3, 4.3-5E5.1,4-5E6 | Dry grasslands, Mesic grasslands, (Seasonally) wet grasslands, Alpine and subalpine grasslandsWoodland fringes and clearings and tall forb stands (but Pteridium aquilinum fields)Inland salt steppes | 321 | Natural grassland |
| B1.5-1.6E5.3F9F2.2-4F3.1F4.1-2G5.6-7 | Coastal dunes and sandy shoresWoodland fringes and clearings and tall forb stands ([Pteridium aquilinum fields](https://eunis.eea.europa.eu/habitats/525%22%20%5Co%20%22%5BPteridium%20aquilinum%5D%20fields))Riverine and fen scrubsArctic, alpine and subalpine scrubTemperate thickets and scrub Temperate shrub heathland Early-stage woodland / coppice | 322 | Moors and heathland |
| 12Wetlands | C2.1C2.5C3.1-3.2, 3.41, 3.44, 3.45D4D5D6 | Springs, spring brooksTemporary running watersLittoral zone of inland surface waterbodiesBase-rich fens, calcareous spring miresSedge and reedbedsInland saline and brackish marshes and reedbeds | 411 | Inland marshes |
| D1D2X04, X28y | Raised and blanket bogsValley mires, poor fens and transition miresRaised / blanked bog complexes | 412 | Peatbogs |
| A2.51, 533-53B, 54 (div.) | Lower / mid-upper saltmarshes and saline and brackish reed, rush and sedge beds | 421 | Coastal salt marshes |
| 13Open spaces with no or little vegetation | B1.1-4, 1.8B2C3.6-7E1.94-98F4H5.3 | Coastal dunes and sandy shoresCoastal shingleUnvegetated or sparsely vegetated shores (diff. sediments)Dry grasslands Temperate shrub heathlandSparsely- or un-vegetated habitats | 331 | Beaches, dunes and sand plains |
| B3C3.8F4H2, H3.1-3.61 | Rock cliffs, ledges and shores, including the supralittoralInland spray- and steam-dependent habitatsTemperate shrub heathlandScrees, Inland cliffs, rock pavements and outcrops | 332 | Bare rock |
| E4.1-2F2.1H3.62H5.4X05 | Alpine and subalpine grasslands Arctic, alpine and subalpine scrubSparsely vegetated weathered rock and outcrop habitats Dry organic substrates with very sparse or no vegetation Snow patches | 333 | Sparsely vegetated areas |
| H5.5 | Burnt areas with very sparse or no vegetation  | 334 | Burnt areas |
| H4 | Snow or ice-dominated habitats  | 335 | Glaciers and perpetual snow |
| 2 Forest and grove areas | 21Forest | B1.72G1.1-CG5.72 | Coastal dunes and sandy shoresBroadleaved deciduous woodland Early-stage broadleaved deciduous plantations | 311 | Broad-leaved forest |
| B1.71,73-74G3G5.74G5.76 | Coastal dunes and sandy shoresConiferous woodland Early-stage coniferous plantationsTrees planted for early whole-tree harvesting | 312 | Coniferous forest |
| G4G5.75 | Mixed deciduous and coniferous woodlandEarly-stage mixed broadleaved and coniferous plantations | 313 | Mixed forest |
| 22 Grove | X13-16X20 | Land sparsely wooded with broadleaved deciduous resp. coniferous treesTreeline ecotones | 324 | Transitional woodland/shrub |
| 3 Agrarland | 31 Arable land | I1.1-2, 1.5J2.4 | Arable land and market gardens Agricultural constructions | 211 | Non-irrigated arable land |
| FB4 | Vineyards  | 221 | Vineyards |
| FB1-3G1.D | Shrub plantationsFruit and nut tree orchards  | 222 | Fruit tree and berry plantations |
| 32 Grassland | B1E2.61-62E7FAX09-10 | Coastal dunes and sandy shoresMesic grasslands Sparsely wooded grasslandsHedgerowsPasture woods | 231 | Pasture, meadows and other permanent grasslands under agricultural use |
| 33 Heterogeneous agricultural area | I.2X07 | Cultivated areas of gardens and parks Intensively-farmed crops interspersed with strips of natural and/or semi-natural vegetation | 242 | Complex cultivation patterns |
| I1.3X10 | Arable land with unmixed crops grown by low-intensity agricultural methodsMosaic landscapes with a woodland element | 243 | Land principally occupied by agriculture, with significant areas of natural vegetation |
| 4 Gewässer | 41 Streams | C2.2-3, 2.42-2.44, 2.6J5.2J5.4 | Surface running watersHighly artificial saline and brackish running watersHighly artificial non-saline running waters | 511 | Water courses |
| 42 Inland water bodies | C1J5.11J5.3 | Surface water standsSaline and brackish (industrial) lagoons and canalsHighly artificial non-saline standing waters | 512 | Water bodies |
| 43 Marine waters | X02, X03 | Saline / Brackish coastal lagoons | 521 | Coastal lagoons |
| C2.41X01 | Brackish water tidal riversSurface running waters, Estuaries | 522 | Estuaries |
| A3, A4A5X31-33 | Infra-/ Circalittoral rock / other substr.Sublittoral sedimentMosaics of mobile and non-mobile substrata (in diff. zones) | 523 | Sea and ocean |
| A1, A2.1-5 | Littoral sediment | 423 | Intertidal flats |
| 5 Siedlung und Lagerstätte | 51 Buildings and transportation area | J1.1J1.3J1.5J1.7X24 | Residential buildings of city and town centresUrban and suburban public buildingsDisused constructions of cities, towns and villagesHigh density temporary residential unitsDomestic gardens of city/town centres | 111 | Continuous urban fabric |
| J1.2J2.1J2.2H5.6X23X25 | Residential buildings of villages and urban peripheriesScattered residential buildingsRural public buildingsTrampled areasLarge non-domestic gardensDomestic gardens of villages and urban peripheries | 112 | Discontinuous urban fabric |
| J1.4J2.3J2.6 | Rural, Urban, and suburban industrial and commercial sites still in active useDisused rural constructions | 121 | Industrial and commercial units |
| J4 | Transport networks and other constructed hard-surfaced areas | 122 | Road and rail networks and associated land |
|  |  | 123 | Port areas |
|  |  | 124 | Airports |
| J1.6J2.7 | Urban and suburban construction and demolition sitesRural construction and demolition sites | 133 | Construction sites |
| 52 Mining and dump sites | H3.1CH3.2FJ3 | Disused siliceous quarriesDisused chalk and limestone quarriesExtractive industrial sites | 131 | Mineral extraction sites |
| J6 | Waste deposits | 132 | Dump sites |
| 53 Urban vegetated areas | E2.64E2.65X11X22 | Park lawnsSmall-scale lawnsLarge parksSmall city centre non-domestic gardens | 141 | Green urban area |
| E2.63 | Turf sports fields | 142 | Sport and leisure facilities |