

**Table S1:** Detailed data for available water and water stored and released for each land use classes

	area (m2)				Surplus (P-Etr) (mm)				Available water (m³)				efficiency of water conservation (%)	Water retained (m³)			
	t0	t0_bis	AAA	AAA_bis	t0	t0_bis	AAA	AAA_bis	t0	t0_bis	AAA	AAA_bis		t0	t0_bis	AAA	AAA_bis
Transitional woodland-shrub	6820436	6819908	6819383	6819383	414	412	414	412	2821351	2807603	2821683	2809958	50	1410675	1403801	1410842	1404979
Sclerophyllous vegetation	3646169	3645887	3645887	3645887	451	448	449	448	1644554	1633945	1637634	1633945	33	542703	539202	540419	539202
Industrial and commercial units	569481	1115945	1115945	1115945	495	499	526	530	281716	556793	586486	591070	0	0	0	0	0
Sport and recreation ports	182179	181964	181147	181147	476	474	475	474	86707	86205	86097	85818	0	0	0	0	0
Green urban areas	3526611	3335009	3305823	3305823	499	488	496	488	1760892	1628289	1639794	1613565	0	0	0	0	0
Water bodies	545623	545581	545581	545581	423	437	429	437	230863	238451	234072	238451	100	230863	238451	234072	238451
Broad-leaved forest (fagus)	356360	356333	356333	356333	480	478	485	478	170989	170421	172861	170421	66	112853	112478	114088	112478
Broad-leaved forest (quercus)	64115779	64101489	64091623	64091623	383	371	379	371	24580914	23757492	24272928	23753835	66	16223403	15679945	16020133	15677531
Hygrophilus forest	2457456	2450694	2450694	2450694	343	309	337	309	843725	757186	825466	757186	66	556859	499743	544808	499743
Coniferous forest	4898171	4896466	4892868	4892868	445	433	440	433	2178837	2119929	2151309	2118371	83	1808435	1759541	1785586	1758248
Broad-leaved forest	3247	3247	3247	3247	436	436	374	336	1417	1417	1216	1090	66	935	935	802	719
Mixed forest (mainly coniferous)	1138563	1138475	1138475	1138475	408	394	402	394	464678	448077	457185	448077	83	385682	371904	379464	371904
Mixed forest (mainly broad leaved)	20415488	20409092	20403736	20403736	332	321	329	321	6784068	6550248	6703184	6548529	66	4477485	4323164	4424101	4322029
Construction sites	29630	22211	21948	21948	555	569	552	569	16453	12648	12111	12499	0	0	0	0	0
Water courses	484582	484370	484370	484370	409	517	422	517	197964	250230	204495	250230	100	197964	250230	204495	250230
Shrubby buffer strips	0	0	253377	253377			414	412	0	0	104841	104405	50	0	0	52420	52203
Arboreous buffer strips	0	0	77953	74707			374	336	0	0	29191	25079	66	0	0	19266	16552
Continue grasslands	18423992	18376355	20388939	65195467	512	519	514	496	9433291	9536419	10476591	32334624	33	3112986	3147018	3457275	10670426
Discontinue grasslands	2591468	2539719	2528259	2528259	506	518	511	518	1312033	1315933	1290751	1310494	33	432971	434258	425948	432463
Road and rail networks	5783912	5699318	5697768	5697768	475	548	488	548	2748355	3125495	2782720	3125062	0	0	0	0	0
Bare rocks	2280401	2280224	2268985	2268985	576	613	588	613	1312878	1398039	1333049	1391213	0	0	0	0	0
Arable land	86638119	85617784	84065247	39258719	490	495	491	505	42463501	42409826	41290007	19818072	17	7218795	7209670	7019301	3369072
Arable land-bare surface	752582	720287	0	0	521	528			392232	380134	0	0	17	66679	64623	0	0
Complex cultivation patterns	539971	539929	526127	526127	510	512	511	512	275443	276233	268780	269171	33	90896	91157	88697	88826
Urban fabric	1240825	2230311	2195657	2195657	507	542	538	555	629019	1209189	1181591	1219161	0	0	0	0	0
Vineyards	183125	183111	0	0	539	560			98767	102469	0	0	50	49384	51235	0	0
Grassing vineyards	0	0	178867	178867			516	514	0	0	92329	91980	50	0	0	46165	45990