

Increasing impacts of land-use on biodiversity and carbon-sequestration driven by population growth, consumption and trade

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Table ST1: Impending birds extinctions driven by production activities per year/country (conservative estimates)
Unit: number of bird species loss

Country	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Austria	0.000938	0.000950	0.000983	0.000983	0.000981	0.000981	0.000980	0.000981	0.000983	0.000984	0.000983	0.000980
Belgium	0.000265	0.000260	0.000262	0.000261	0.000263	0.000264	0.000265	0.000264	0.000266	0.000263	0.000262	0.000260
Bulgaria	0.002017	0.001920	0.002074	0.002050	0.002331	0.002278	0.002276	0.002206	0.002312	0.002040	0.002277	0.002415
Cyprus	0.000041	0.000038	0.000036	0.000035	0.000037	0.000042	0.000036	0.000042	0.000030	0.000036	0.000028	0.000029
Czech Republic	0.001091	0.001099	0.001105	0.001106	0.001108	0.001111	0.001111	0.001118	0.001120	0.001121	0.001115	0.001115
Germany	0.004421	0.003887	0.003980	0.004350	0.004435	0.004435	0.004415	0.004409	0.004421	0.004217	0.004360	0.004334
Denmark	0.000482	0.000464	0.000452	0.000456	0.000452	0.000481	0.000483	0.000478	0.000491	0.000492	0.000490	0.000501
Estonia	0.000562	0.000532	0.000521	0.000510	0.000449	0.000394	0.000385	0.000342	0.000362	0.000391	0.000490	0.000486
Spain	0.037073	0.036881	0.036861	0.037030	0.037100	0.036528	0.036665	0.036075	0.037458	0.035794	0.036669	0.036604
Finland	0.003548	0.003541	0.003535	0.003528	0.003519	0.003512	0.003514	0.003514	0.003520	0.003520	0.003519	0.003520
France	0.017608	0.017712	0.017778	0.017805	0.017964	0.018063	0.018140	0.018239	0.018313	0.018428	0.018399	0.018493
Greece	0.008038	0.007895	0.007728	0.006462	0.007671	0.006426	0.007528	0.006634	0.007576	0.007234	0.007062	0.007231
Croatia	0.001140	0.001127	0.001159	0.001194	0.001211	0.001262	0.001315	0.001256	0.001315	0.001307	0.001370	0.001454
Hungary	0.001131	0.001145	0.001153	0.001145	0.001147	0.001170	0.001171	0.001148	0.001141	0.001145	0.001129	0.001148
Ireland	0.000332	0.000355	0.000356	0.000359	0.000365	0.000362	0.000356	0.000340	0.000351	0.000347	0.000335	0.000347
Italy	0.017542	0.017162	0.017605	0.016308	0.016562	0.016121	0.015359	0.015043	0.015734	0.014530	0.014576	0.014254
Lithuania	0.000755	0.000564	0.000588	0.000580	0.000597	0.000640	0.000628	0.000652	0.000629	0.000661	0.000776	0.000779
Luxembourg	0.000021	0.000022	0.000021	0.000021	0.000023	0.000021	0.000022	0.000023	0.000023	0.000023	0.000023	0.000022
Latvia	0.000731	0.000730	0.000735	0.000735	0.000749	0.000769	0.000794	0.000794	0.000691	0.000777	0.000800	0.000797
Malta	0.000008	0.000009	0.000009	0.000010	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009	0.000010	0.000010
Netherlands	0.000170	0.000161	0.000159	0.000170	0.000188	0.000190	0.000187	0.000181	0.000187	0.000179	0.000182	0.000174
Poland	0.003655	0.003559	0.003603	0.003698	0.003823	0.003718	0.003777	0.003966	0.003915	0.003878	0.003649	0.003748
Portugal	0.005821	0.005679	0.005721	0.005564	0.005565	0.005161	0.005112	0.004859	0.005004	0.004921	0.004802	0.004738
Romania	0.003785	0.003764	0.003864	0.003885	0.003849	0.003806	0.003735	0.003692	0.003646	0.003619	0.003789	0.003823
Sweden	0.004746	0.004738	0.004742	0.004744	0.004742	0.004752	0.004741	0.004736	0.004732	0.004727	0.004719	0.004719
Slovenia	0.000281	0.000281	0.000280	0.000304	0.000300	0.000315	0.000362	0.000330	0.000346	0.000342	0.000343	0.000386
Slovakia	0.000608	0.000579	0.000572	0.000599	0.000642	0.000684	0.000666	0.000681	0.000689	0.000690	0.000689	0.000690
United Kingdom	0.001430	0.001374	0.001408	0.001398	0.001440	0.001430	0.001485	0.001520	0.001492	0.001485	0.001502	0.001528
United States	0.401458	0.395573	0.391135	0.389211	0.389814	0.389542	0.379771	0.377825	0.365346	0.348567	0.342447	0.346884
Japan	0.022101	0.020725	0.020272	0.020233	0.020464	0.020724	0.021006	0.021489	0.021486	0.020822	0.021058	0.021532
China	0.970995	0.965470	0.962826	0.954615	0.981987	0.968517	0.969746	0.954331	0.985028	1.019305	1.045067	1.045763
Canada	0.055828	0.053612	0.055475	0.053613	0.056456	0.055801	0.052757	0.050169	0.046985	0.043783	0.045963	0.047142
South Korea	0.006366	0.006334	0.006361	0.006340	0.006658	0.006721	0.006686	0.006793	0.006741	0.007008	0.007142	0.007144
Brazil	7.658244	7.700670	7.806112	7.965292	8.031033	8.037744	8.010540	8.035740	8.112728	8.114571	8.127972	8.225838
India	6.171702	6.109125	6.103420	6.119551	6.118853	6.116655	6.122501	6.120380	6.122948	6.135358	6.136864	6.142489
Mexico	3.172104	3.157211	3.096410	3.128153	3.168733	3.132339	3.070132	3.093273	3.123888	3.100512	3.105075	3.147927
Russia	0.081792	0.082641	0.083664	0.084808	0.086310	0.088230	0.089708	0.092068	0.087543	0.087919	0.090204	0.092800
Australia	0.323877	0.337690	0.325083	0.326441	0.330203	0.339389	0.327071	0.308614	0.309665	0.324511	0.295131	0.321699
Switzerland	0.000363	0.000358	0.000305	0.000332	0.000333	0.000345	0.000367	0.000360	0.000331	0.000322	0.000335	0.000332
Turkey	0.048910	0.048808	0.049084	0.047884	0.049179	0.049044	0.047570	0.045346	0.044788	0.044387	0.044767	0.043630
Taiwan	0.023961	0.023968	0.023944	0.023924	0.023901	0.023921	0.023913	0.023905	0.023898	0.023899	0.023990	0.024024
Norway	0.000265	0.000290	0.000280	0.000270	0.000283	0.000307	0.000314	0.000332	0.000327	0.000287	0.000330	0.000325
Indonesia	8.512883	8.500096	8.710725	9.115781	9.470167	8.969485	9.012662	9.111289	9.382367	9.479559	9.724069	9.787932
South Africa	1.727495	1.724338	1.724901	1.722263	1.713921	1.710656	1.694744	1.695299	1.701323	1.698095	1.695556	1.682349
Rest of Asia and Pacific	7.212839	7.162502	7.133155	7.268104	7.269985	7.290591	7.302052	7.205837	7.423886	7.428536	7.526401	7.556611
Central and South America	16.114010	15.956428	15.870656	15.984047	16.167265	16.409450	16.466873	16.742560	16.776136	16.666950	16.903521	17.174869
Rest of Europe	0.035105	0.035057	0.035879	0.035829	0.037246	0.037880	0.037714	0.038051	0.039254	0.038557	0.039247	0.039642
Africa	16.757535	16.856410	16.950448	17.108785	17.156987	17.393704	17.483738	17.547475	17.692647	17.661265	17.772311	17.738591
Middle East	0.067321	0.069713	0.071820	0.071624	0.072459	0.072792	0.071636	0.072862	0.068912	0.069156	0.071284	0.070548
Total	69.4834	69.3234	69.5383	70.5424	71.2698	71.2288	71.3070	71.6575	72.4530	72.4265	73.1331	73.6327

Table ST2: Impending bird extinctions driven by production activities per year/product (conservative estimates). Nec stands for not elsewhere classified
Unit: number of bird species loss

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Country												
Paddy rice	5.99366	5.93360	5.84980	5.93849	6.09424	5.92844	5.98727	5.71658	5.99210	6.11484	6.17777	6.16017
Wheat	1.89613	1.90729	1.91723	1.84639	1.89540	1.85206	1.81796	1.82935	1.80859	1.83221	1.79487	1.79722
Cereal grains nec	7.90997	7.88801	7.63002	8.11797	7.96140	8.03744	7.96892	8.22471	8.41038	8.12284	8.26312	8.29471
Vegetables, fruit, nuts	6.08470	6.10292	6.34040	6.41235	6.40179	6.32559	6.51023	6.69178	6.50027	6.56470	6.69988	6.73867
Oil seeds	5.77861	5.87673	6.06636	6.35193	6.92162	7.03075	7.15518	7.11887	7.30651	7.55994	7.80559	7.90951
Sugar cane, sugar beet	1.55499	1.55873	1.58465	1.48866	1.46895	1.43351	1.44800	1.47912	1.55366	1.51694	1.50816	1.62999
Plant-based fibers	0.32880	0.35310	0.31432	0.30679	0.33379	0.33800	0.32529	0.43128	0.30690	0.30718	0.30934	0.35621
Crops nec	3.20242	3.28235	3.26655	3.38451	3.43854	3.45908	3.33836	3.28692	3.52680	3.56579	3.59583	3.65422
Cattle	20.53890	20.51105	20.52905	20.54355	20.60839	20.69295	20.72419	20.75763	20.80164	20.80357	20.80351	20.80389
Pigs	0.01858	0.01871	0.01911	0.01887	0.01842	0.01952	0.01967	0.01933	0.02067	0.02038	0.02092	0.02004
Poultry	0.04079	0.04093	0.04161	0.04104	0.04058	0.04252	0.04296	0.04244	0.04376	0.04410	0.04448	0.04281
Meat animals nec	0.77785	0.77792	0.77873	0.77868	0.78027	0.78344	0.78446	0.78499	0.78598	0.78595	0.78590	0.78573
Raw milk	7.10026	7.09206	7.10123	7.09915	7.12272	7.15384	7.16873	7.17863	7.19662	7.20298	7.19322	7.18803
Forestry	8.25772	7.98005	8.09928	8.21400	8.18364	8.13162	8.01581	8.09590	8.19911	7.98510	8.13049	8.25145
Total	69.4834	69.3234	69.5384	70.5424	71.2698	71.2288	71.3070	71.6575	72.4530	72.4265	73.1331	73.6327

Table ST3: Loss of biomass carbon sequestration potential driven by production activities per year/country.

Unit: tons C (not sequestered)/yr

Country	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Austria	8139254	8180744	8579445	9200176	8856901	8817219	9380352	10026747	10068143	8564062	8889981	8760700
Belgium	3768284	3640935	3742712	3835394	3846962	3854496	3885854	3828660	3736208	3611704	3752432	3776237
Bulgaria	9827701	9557141	9567771	9584930	9805982	9700025	9578457	9421632	9426750	8894776	9240355	9435992
Cyprus	4373	3572	3115	2341	2042	1865	1447	3635	3938	1990	1655	1557
Czech Republic	11186557	11151910	11164407	11199418	11345128	11289825	11853628	11942620	11232881	11073090	11371383	11004201
Germany	42199313	38035947	38125971	40522245	41487347	42164381	42930232	46940805	40865178	38371002	40033613	40270065
Denmark	4917006	4551018	4454849	4451140	4364656	4789207	4651238	4647956	4781372	4758069	4749280	4839012
Estonia	4502370	4807985	4628759	4857430	3554944	3360354	3328468	3012117	3022165	3289362	3955414	3973216
Spain	6740156	6960846	7203402	7270517	7326915	7085242	7253749	6770942	7574207	6524618	6671926	6759193
Finland	18514480	17799344	18330502	18451891	18553543	18077937	17655557	19529222	17889680	14969863	18023473	17317702
France	59279500	56991508	55334135	54643810	54875162	55108223	55195213	55848640	55023082	55400700	55239816	55117350
Greece	843770	791206	775253	667303	755850	616973	734530	746887	864976	657279	637894	645668
Croatia	3791531	3798139	3855890	3907497	3869897	4027499	4239659	4159096	4699571	4598744	4676901	4826375
Hungary	11447420	11479454	11478853	11421779	11565723	11808674	11598833	11579295	11560798	11470666	10875144	10922541
Ireland	6691435	6652271	6658500	6667699	6551574	6569487	6520877	6532964	6293418	6312797	6842225	6835830
Italy	8898942	8589548	8471205	8515752	8743649	8726231	8324726	8176548	8451242	7955132	7754299	7735900
Lithuania	7344297	6360652	6531634	6020453	6095339	6521617	6359528	6436336	6191830	6386569	7080138	7057589
Luxembourg	299396	303701	299901	297822	313147	298717	304683	320295	346642	311502	312673	307748
Latvia	7022666	6539975	6910960	6830621	6905883	6969787	7174895	6927206	5814752	6046306	6635980	7003992
Malta*	0	0	0	0	0	0	0	0	0	0	0	0
Netherlands	3267351	3177124	3198844	3219735	3261905	3285294	3251639	3217920	3285017	3239301	3252073	3189740
Poland	40227389	38890340	38043297	37921829	38860253	37821893	38122631	39657835	39148341	39246885	36661780	37545118
Portugal	3556489	2980549	2966453	3280829	3656977	3674835	3672363	3658634	3475332	3226214	3252966	3721119
Romania	22803512	22607070	23504021	23551184	22777587	22330647	21686048	21724783	20879742	20509143	21878769	21600575
Sweden	23933057	23844402	24854569	25008530	25100934	34381254	24277827	28398696	26303918	24663840	26763551	26765923
Slovenia	1346979	1413665	1421417	1507293	1372099	1391456	1517584	1473530	1507017	1407397	1399054	1458357
Slovakia	6022662	5650782	5580384	5771563	5753963	6357832	5925672	5979708	6342857	6256350	6509728	6461618
United Kingdom	23136374	22998327	23079365	23044695	23305088	23187236	24257479	24174651	23970246	23561741	23622335	23739054
United States	290000000	285000000	284000000	281000000	284000000	285000000	280000000	269000000	258000000	244000000	240000000	244000000
Japan	18239510	16862186	16390874	16366620	16551167	16820346	17053602	17558588	17609284	16969497	17198466	17713227
China	373000000	369000000	367000000	365000000	374000000	368000000	368000000	367000000	384000000	403000000	416000000	416000000
Canada	92461768	87373422	91597889	85897619	94776170	93122965	86307134	80936944	71834908	64214864	72211249	74076384
South Korea	5065563	4863612	4972998	4963766	5385294	5539716	5539815	5677553	5702122	6030906	6171103	6216354
Brazil	369000000	364000000	370000000	389000000	385000000	386000000	385000000	390000000	390000000	389000000	395000000	408000000
India	294000000	306000000	308000000	308000000	309000000	309000000	311000000	322000000	324000000	327000000	329000000	333000000
Mexico	59098499	58616907	57701273	57949368	58537021	57867381	56892085	57077336	57566817	57040556	57118037	57571178
Russia	190000000	193000000	192000000	195000000	196000000	197000000	200000000	205000000	188000000	186000000	190000000	197000000
Australia	27691550	27662339	26992760	28287913	28588764	29149294	28690913	28185047	28301563	26669199	25753901	27035422
Switzerland	4840830	3777618	3445852	3585720	3600013	3651869	3773699	3743997	3528722	3425823	3486088	3481093
Turkey	14617665	14597950	14982553	14710407	14998645	15002156	15102658	15100775	15209333	15123046	15618101	15559792
Taiwan	3630707	3635169	3637197	3633087	3636599	3636769	3634655	3633212	3632710	3632852	3643977	3648028
Norway	3378970	3359591	3421139	3290890	3427745	3731633	3592754	3858859	3804120	3306904	3826293	3844517
Indonesia	150000000	158000000	165000000	172000000	178000000	168000000	169000000	171000000	179000000	178000000	186000000	190000000
South Africa	15523459	15454927	15432486	17144053	17737224	18248409	18638565	16424974	16328184	16019265	14700527	13962203
Rest of Asia and Pacific	292000000	291000000	290000000	299000000	302000000	304000000	303000000	295000000	311000000	310000000	315000000	316000000
Central and South America	220000000	218000000	218000000	218000000	222000000	230000000	231000000	236000000	240000000	239000000	240000000	245000000
Rest of Europe	73312737	73245144	72947988	72578154	73902592	73343231	72785446	72544195	72062387	70607704	71465614	72149352
Africa	342000000	344000000	348000000	356000000	361000000	365000000	367000000	371000000	375000000	376000000	379000000	377000000
Middle East	6227441	6175933	5465205	5524225	6695049	5038289	5027427	5163531	5155596	5094156	5070005	5063515
Total	3183800961	3171582954	3187753825	3228585696	3271745732	3279370262	3264721922	3281042370	3282495048	3261443873	3316348195	3357393436

* values for Malta are zero, as Malta does not have any agricultural land potentially carrying forest as well as zero wood production reported in official statistics.

Table ST4: Loss of biomass carbon sequestration potential driven by production activities per year/product. Nec stands for not elsewhere classified**Unit: tons C (not sequestered)/yr**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Country												
Paddy rice	294111430	291767740	285392440	284312460	290081280	287910480	289767500	272410720	286808550	287813700	289334250	287337330
Wheat	174502160	174232940	178127080	160941590	172007630	174154770	166933010	169404190	173868720	176942920	173818720	170363880
Cereal grain	305665880	306625620	297621100	308293490	303003700	294797660	295732080	302261580	303539510	294192480	281849590	288530730
Vegetables,	274494120	274828660	283081350	286118000	284331400	280647750	284496950	283424280	276042010	279034850	288866090	288496330
Oil seeds	231820160	231734240	235348510	244719270	257207500	259723070	262378340	251017830	260844730	267863390	275474230	276839480
Sugar cane,	46183748	46728222	47639496	46856292	45398257	44344794	46215787	47950919	48967609	48674030	49650211	52879945
Plant-based	13604979	14931073	13370053	13387603	14413831	14110361	13772330	15877211	11919799	11707006	12110051	12933246
Crops nec	82991460	83834409	82896791	85019906	87244534	87137009	86073955	84181113	89863484	89991993	90595409	92187237
Cattle	588043920	588142860	587742470	587383210	586518080	587276160	587924250	588145950	587527850	586952900	587479730	587394460
Pigs	2847776	2739999	2645994	2636635	2434502	2437794	2467582	2437944	2365496	2447398	2499775	2537984
Poultry	5452399	5233633	5078979	5010097	4622185	4605072	4660419	4673168	4448057	4525160	4785989	4857543
Meat animal	50696410	50808964	50679533	50712509	50376870	50464205	50968066	50876258	50930332	50592709	50771272	50601890
Raw milk	257107110	256610220	256013050	255471940	254771120	254970360	255283470	255318590	255207720	255549280	255063950	254817000
Forestry	855977290	843364730	862348850	898012630	920358240	935799720	918275630	953330470	930639000	905367640	955198700	989156540
Total	3183498842	3171583310	3187985697	3228875632	3272769129	3278379205	3264949369	3281310223	3282972867	3261655457	3317497967	3358933595

Table ST5: Total land use per year/country.

Unit: km2

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Country												
Austria	65284	65810	67755	67803	67046	67084	66949	66957	66481	66470	66459	64475
Belgium	21306	21307	21338	21384	21391	21330	21317	21216	21262	21189	21146	20944
Bulgaria	69769	66468	67982	68202	72584	71604	71261	69836	71133	65442	69597	72008
Cyprus	1444	1414	1413	1583	1572	1682	1582	1495	1174	1321	1162	1207
Czech Republic	67014	66993	66945	66923	66900	66863	66815	66777	66740	66698	66656	66613
Germany	280774	251081	255406	276328	280872	281072	280411	280526	280536	269583	278817	279061
Denmark	31455	30522	29915	30244	29842	31790	31885	31477	31675	31456	31427	32127
Estonia	31701	30731	28885	30123	27054	24447	24287	21852	22791	24534	29819	29514
Spain	274421	273626	273912	273569	273503	272046	269003	263021	269020	261912	265156	263825
Finland	196023	195601	195260	194885	194487	194197	194565	194634	194766	194876	194949	194905
France	418994	419439	419866	422005	422427	423088	423655	423852	423875	424455	424523	425080
Greece	55407	54647	53496	39135	52997	37473	52234	40211	52209	50582	50103	50560
Croatia	25651	25368	25578	26293	26005	26795	27802	27143	31013	30876	31617	32567
Hungary	74101	74100	74120	74214	73859	74813	74316	73620	72574	72433	69768	70647
Ireland	44534	44802	44581	44672	44270	44321	43974	44016	43498	43442	46558	46579
Italy	149643	146208	142954	140754	141580	139959	135126	132923	136990	130835	132922	129358
Lithuania	48158	42801	43969	41380	41775	44125	43291	43362	41593	41645	47179	47290
Luxembourg	2001	2035	1997	1985	2082	1967	2017	2111	2111	2080	2087	2047
Latvia	45412	45442	45687	45658	46355	47373	48682	48624	42940	47682	48614	48707
Malta	128	138	138	142	138	131	130	131	131	131	141	141
Netherlands	22513	21705	21813	22315	22584	22745	22567	22295	22784	22366	22511	22021
Poland	237423	230040	227564	231403	237657	231518	233895	244450	240848	241877	228533	235251
Portugal	47146	46771	47108	46565	46586	45626	45143	43786	44687	44305	43722	43257
Romania	167874	165446	172268	173050	168834	165846	163948	162981	159063	156371	162819	164859
Sweden	265416	265093	265546	265540	265637	266120	265417	265012	264548	264320	264029	263868
Slovenia	6931	6870	6849	7231	7061	7378	7840	7482	7635	7440	7568	7954
Slovakia	38701	36474	36053	37557	38321	40590	39652	40277	40563	40549	40697	40593
United Kingdom	152729	152248	152597	152735	154548	154408	161053	161356	159818	158330	158987	159035
United States	4622431	4601444	4578844	4583269	4572340	4580659	4541914	4538672	4491301	4398009	4376983	4400037
Japan	89696	84469	82600	82404	82978	83886	84663	86446	86552	84107	84894	86674
China	4346012	4334872	4327254	4315158	4377002	4344221	4342333	4295976	4355177	4429730	4485386	4488190
Canada	1073142	1041893	1064929	1030615	1084040	1074846	1022619	979212	924738	874841	916134	920785
South Korea	26950	26555	26455	26395	27601	27631	27541	27850	27660	28588	29050	29227
Brazil	2405820	2416602	2445224	2489210	2504344	2504412	2497173	2504363	2523526	2524078	2528542	2556509
India	2203825	2184538	2183952	2189409	2189870	2190336	2193905	2193711	2196150	2201154	2201625	2203069
Mexico	888265	884712	879237	877195	875645	870314	861579	861188	867282	864504	865845	867338
Russia	2813517	2845717	2844652	2888358	2908875	2925129	2971477	3057281	2819588	2804253	2878650	2979430
Australia	2399803	2414014	2360539	2324611	2331380	2363483	2306843	2244499	2207087	2181845	2108574	2188632
Switzerland	27012	26751	24117	25474	25568	26146	27252	26904	25510	25087	25759	25644
Turkey	404335	409003	411411	405890	411703	411783	404892	395084	391541	389462	390816	383283
Taiwan	12231	12242	12243	12242	12246	12249	12240	12235	12232	12230	12275	12281
Norway	55303	60145	58199	56162	58806	63674	64932	68551	67699	59552	68103	67060
Indonesia	505880	503568	516636	538945	559524	529074	531678	536312	551877	556397	571364	575744
South Africa	822860	821740	821890	820890	817690	816440	810490	810510	812690	811490	810520	805350
Rest of Asia and Pacific	5126499	5125371	5105831	5017678	5015193	5024400	5036238	5045692	5052257	5063965	5078636	5083901
Central and South America	2979949	2956294	2955828	2979922	3026195	3067897	3090393	3130746	3134678	3127963	3160290	3183356
Rest of Europe	692234	686333	697892	703773	709911	706285	703041	702565	704277	692204	704956	711401
Africa	8377634	8431613	8468774	8550987	8573979	8679742	8727295	8758988	8818213	8813170	8859761	8839866
Middle East	950825	962818	970066	969476	977382	827438	826490	830554	821109	818549	824390	824920
Total	43666178	43613872	43627568	43691741	43970241	43936436	43903806	43908762	43703603	43544377	43790118	44047187

Table ST6: Impending birds extinctions driven by production activities per year/country (non-conservative estimates). Nec stands for not elsewhere classified
Unit: number of bird species loss

Country	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Austria	0.001020	0.001020	0.001050	0.001162	0.001134	0.001135	0.001274	0.001379	0.001410	0.001157	0.001206	0.001259
Belgium	0.000378	0.000355	0.000372	0.000384	0.000391	0.000398	0.000407	0.000404	0.000389	0.000370	0.000392	0.000408
Bulgaria	0.002976	0.003056	0.003053	0.003041	0.003097	0.003085	0.003053	0.003051	0.003083	0.003122	0.003140	0.003169
Cyprus	0.000050	0.000047	0.000045	0.000044	0.000046	0.000051	0.000046	0.000051	0.000039	0.000046	0.000037	0.000038
Czech Republ	0.001174	0.001181	0.001192	0.001214	0.001237	0.001236	0.001315	0.001350	0.001265	0.001243	0.001287	0.001242
Germany	0.004653	0.004643	0.004648	0.004643	0.004704	0.004808	0.005034	0.005618	0.004757	0.004628	0.004642	0.004725
Denmark	0.000552	0.000517	0.000513	0.000509	0.000509	0.000548	0.000526	0.000529	0.000556	0.000559	0.000550	0.000558
Estonia	0.000649	0.000685	0.000690	0.000678	0.000511	0.000526	0.000521	0.000524	0.000527	0.000527	0.000533	0.000533
Spain	0.043083	0.042602	0.042328	0.042407	0.042424	0.042166	0.042207	0.042087	0.042503	0.042081	0.042033	0.042223
Finland	0.005633	0.005432	0.005531	0.005599	0.005598	0.005392	0.005261	0.005806	0.005288	0.004448	0.005317	0.005305
France	0.023379	0.022115	0.021081	0.020615	0.020871	0.020900	0.021168	0.021606	0.021275	0.021766	0.022101	0.022064
Greece	0.010098	0.010110	0.010152	0.008858	0.010072	0.008932	0.010037	0.009138	0.010104	0.010068	0.009923	0.010032
Croatia	0.002695	0.002711	0.002723	0.002736	0.002759	0.002794	0.002801	0.002771	0.002800	0.002822	0.002859	0.002850
Hungary	0.001209	0.001228	0.001235	0.001230	0.001241	0.001249	0.001252	0.001242	0.001254	0.001263	0.001216	0.001229
Ireland	0.000383	0.000397	0.000408	0.000414	0.000413	0.000415	0.000410	0.000396	0.000380	0.000389	0.000387	0.000403
Italy	0.024197	0.024210	0.023972	0.023443	0.023630	0.023255	0.022568	0.022440	0.023017	0.022033	0.022199	0.021952
Lithuania	0.000890	0.000674	0.000674	0.000663	0.000690	0.000740	0.000737	0.000745	0.000754	0.000797	0.000829	0.000838
Luxembourg	0.000024	0.000023	0.000024	0.000024	0.000024	0.000024	0.000024	0.000025	0.000029	0.000024	0.000024	0.000024
Latvia	0.000944	0.000866	0.000910	0.000893	0.000901	0.000910	0.000938	0.000906	0.000824	0.000827	0.000932	0.000936
Malta	0.000008	0.000009	0.000009	0.000010	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009	0.000010	0.000010
Netherlands	0.000197	0.000198	0.000198	0.000195	0.000216	0.000213	0.000210	0.000208	0.000209	0.000205	0.000205	0.000203
Poland	0.004498	0.004436	0.004382	0.004288	0.004330	0.004260	0.004302	0.004343	0.004366	0.004303	0.004020	0.004033
Portugal	0.007153	0.006351	0.006377	0.006576	0.007000	0.006614	0.006559	0.006294	0.006221	0.005858	0.005767	0.006220
Romania	0.004741	0.004762	0.004724	0.004724	0.004649	0.004687	0.004632	0.004537	0.004584	0.004622	0.004768	0.004740
Sweden	0.004882	0.004880	0.005099	0.005135	0.005147	0.007235	0.004961	0.005877	0.005368	0.004978	0.005453	0.005433
Slovenia	0.001034	0.001036	0.001034	0.001034	0.001036	0.001036	0.001039	0.001038	0.001041	0.001038	0.001037	0.001036
Slovakia	0.000731	0.000716	0.000712	0.000713	0.000712	0.000760	0.000711	0.000714	0.000763	0.000751	0.000783	0.000780
United Kingd	0.001576	0.001512	0.001555	0.001534	0.001570	0.001548	0.001614	0.001627	0.001623	0.001604	0.001617	0.001658
United States	0.667993	0.668032	0.664455	0.663285	0.660811	0.659101	0.652466	0.659897	0.661653	0.660516	0.658284	0.658830
Japan	0.081006	0.080972	0.080975	0.080941	0.080991	0.080973	0.081006	0.080960	0.080876	0.080835	0.080829	0.080720
China	1.435355	1.442293	1.450613	1.450248	1.490180	1.486314	1.494321	1.463594	1.470076	1.481876	1.493981	1.500829
Canada	0.133457	0.133000	0.133518	0.133722	0.133344	0.133232	0.132273	0.131827	0.131451	0.130765	0.130001	0.130513
South Korea	0.019703	0.019687	0.019654	0.019581	0.019529	0.019538	0.019442	0.019399	0.019313	0.019248	0.019177	0.019058
Brazil	12.988190	13.031150	13.098701	13.183285	13.257114	13.246181	13.206470	13.209071	13.293905	13.281048	13.263580	13.324225
India	6.349689	6.285076	6.328169	6.350114	6.355606	6.358050	6.367762	6.369011	6.375367	6.391796	6.397185	6.404398
Mexico	5.565577	5.553818	5.503105	5.525807	5.553248	5.515405	5.445492	5.463418	5.487781	5.479877	5.482458	5.528315
Russia	0.171846	0.171775	0.172746	0.172596	0.173498	0.174915	0.175330	0.175656	0.177491	0.178448	0.178472	0.178880
Australia	0.639321	0.653083	0.640964	0.640297	0.643473	0.652346	0.637701	0.616286	0.614536	0.629759	0.597679	0.624989
Switzerland	0.000542	0.000374	0.000374	0.000374	0.000375	0.000377	0.000379	0.000377	0.000378	0.000378	0.000378	0.000379
Turkey	0.058100	0.058101	0.058445	0.057330	0.058693	0.058658	0.057201	0.055056	0.054543	0.054236	0.054655	0.053588
Taiwan	0.048832	0.048820	0.048784	0.048763	0.048730	0.048747	0.048753	0.048752	0.048750	0.048755	0.048864	0.048891
Norway	0.000406	0.000406	0.000406	0.000405	0.000405	0.000405	0.000404	0.000404	0.000403	0.000403	0.000403	0.000403
Indonesia	20.705696	20.810116	20.882203	21.371355	21.789222	21.644431	21.342574	21.420893	21.542549	21.762885	21.863808	21.749558
South Africa	1.748064	1.743774	1.744502	1.748788	1.742602	1.741381	1.725688	1.717878	1.723858	1.718901	1.711914	1.695237
Rest of Asia and Pacific	17.245564	17.262505	17.209057	17.211187	17.213909	17.205252	17.255267	17.089429	17.359170	17.407839	17.507867	17.550809
Central and South America	31.474560	31.237025	31.047977	31.110374	31.187633	31.351415	31.325068	31.509297	31.443470	31.248040	31.423061	31.652798
Rest of Europe	0.043138	0.043318	0.043612	0.043275	0.044400	0.045166	0.045212	0.045504	0.046708	0.046604	0.046769	0.046880
Africa	18.836339	18.915479	18.998349	19.137401	19.168912	19.168912	19.452318	19.498577	19.632185	19.582762	19.682982	19.664216
Middle East	0.069270	0.071715	0.073907	0.073732	0.074617	0.074985	0.073817	0.075036	0.071062	0.071303	0.073444	0.072705
Total	118.4315	118.3763	118.3452	119.1656	119.8422	119.6468	119.6826	119.7950	120.3800	120.4178	120.8591	121.1301

Table ST7: Impending bird extinctions driven by production activities per year/product (non-conservative estimates). Nec stands for not elsewhere classified
Unit: number of bird species loss

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Country												
Paddy rice	6.62657	6.55843	6.47025	6.57314	6.75311	6.55625	6.62589	6.33059	6.62985	6.77240	6.84414	6.82473
Wheat	1.98555	1.99746	2.00856	1.93433	1.98591	1.93919	1.90317	1.91593	1.89407	1.91804	1.87984	1.88169
Cereal grains nec	8.49556	8.46915	8.18406	8.70556	8.54327	8.61651	8.54300	8.81976	9.02755	8.71473	8.87217	8.91008
Vegetables, fruit, nuts	6.60857	6.62628	6.87940	6.96373	6.95423	6.86555	7.06469	7.26808	7.04856	7.12113	7.26049	7.30371
Oil seeds	6.30794	6.42057	6.62641	6.94496	7.56430	7.67839	7.82067	7.78461	7.98902	8.26962	8.54235	8.65520
Sugar cane, sugar beet	1.71640	1.72002	1.74805	1.64047	1.61949	1.57968	1.59392	1.62576	1.70756	1.66573	1.65626	1.79077
Plant-based fibers	0.34959	0.37503	0.33352	0.32578	0.35449	0.35901	0.34569	0.46004	0.32615	0.32640	0.32902	0.37906
Crops nec	3.59332	3.68597	3.67060	3.80567	3.86557	3.88888	3.75013	3.69043	3.96546	4.00986	4.04569	4.11106
Cattle	21.79661	21.76224	21.78104	21.79732	21.86936	21.96006	21.99434	22.03224	22.08155	22.08443	22.08388	22.08452
Pigs	0.01982	0.01998	0.02041	0.02015	0.01967	0.02087	0.02102	0.02066	0.02211	0.02180	0.02238	0.02142
Poultry	0.04320	0.04337	0.04410	0.04350	0.04300	0.04508	0.04553	0.04499	0.04641	0.04677	0.04717	0.04540
Meat animals nec	0.80986	0.80980	0.81063	0.81057	0.81231	0.81562	0.81671	0.81733	0.81843	0.81843	0.81836	0.81818
Raw milk	7.51504	7.50474	7.51431	7.51239	7.53838	7.57163	7.58771	7.59899	7.61890	7.62586	7.61542	7.61003
Forestry	52.56342	52.38324	52.25389	52.08805	51.91913	51.75003	51.57010	51.38564	51.20432	51.02263	50.84189	50.69427
Total	118.4315	118.3763	118.3452	119.1656	119.8422	119.6468	119.6826	119.7950	120.3800	120.4178	120.8591	121.1301