



Databases and GIS on AW distribution and numbers in Poland and Germany



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Existing database Pomerania/Germany

Monitoring information in Excel sheets

- some areas since 1966
- gaps
- important information missing: observer name(s), coordinates, ...
- only singing males



A1	Numer																									
1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	
2	Numer	Międzyodrze w Niemc	Krajnik	Międzygodrzew w Polsce	Zabnica bis Daleszewo am rechten Ufer der Ostoderf	Jez. Miedwie	Ujście Warty	Odra Schwedt-Szczecin, strona Polska.	Wielkie Zabłki	Jasieni ca	Struskie Bagno	Szczecin-Zalew, razem	Łąki Skosze wskie	Pótywsep Rów	Bagna Rozwarowskie	Zalew Szczeciński	Karsiborska Kępa	Zajęcze Łęgi	Wydrza Kępa	Koprzywskie Łęgi	Pótywsep Mielinek	Koński Smug	Warnie Kępy	Gęsia Kępa	Wiszoa Kępa	
3		FG Orn. SDT.		Kalisziński																						
4	1966	40																								
5	1967	42																								
6	1968	50																								
7	1969	44																								
8	1970	30																								
9	1971	35																								
10	1972	40																								
11	1973	50		6																						
12	1974	40																								
13	1975	45																								
14	1976	42																								
15	1977	40																								
16	1978	50																								
17	1979	47																								
18	1980	37																								
19	1981	25																								
20	1982	25																								
21	1983	20																								
22	1984	15																								
23	1985	15																								
24	1986	16																								
25	1987	8																								
26	1988	10																								
27	1989	25																								
28	1990	27												15												
29	1991	20	55		3			58	6?	1	1	2	10	1	60	71	100	100	5	0 (WPN)	4	1	2	vorh		
30	1992	16		2																						
31	1993	20	15	9	0	12		36	0	0	0	0	0?	2	37	39	35	36	0	0	0	0	0	65		
32	1994	26		3			11			1	4	5	0?				46									
33	1995	34		15		14	2		0					0	1	32	60	20								
34	1996	33		10			10						0?													
35	1997	25	8	1	0	7	21	37	0		0	0?		1	28	29	70	45	5	3	5	0	75			
36	1998	9					7										35	4	3			1	15			
37	1999	13				0?			0	0	0	0	0?	0	?	0	60	10	1					15		
38	2000	19	7				9		0	0	0	0					40	30	1							
39	2001	13	10				14										28	0?								
40	2002	17	12	6			14		?	0	0			0	8	8			0		0					
41	2003	8	10	0		5	7	16			0			0	4	4	15	4	3	2	0	5	24	10		
42	2004	9	7	0		8	0	15						0	22	22	21	0						11		
43	2005	8	7	0			3	11						0	23	23	15	0						18		
44	2006	4	5			0	4	9							37	37	21		0	0		0	8	0		

Microsoft Excel - AW_DB.xls

Frage hier eingeben

10 Arial F K U

D4 standard monitoring visit, non-standard evening count, other

	A	B	C	D	E	F	G	H	I	J
1	Contents	Field type	Importance	Details						
2	Area_name	text	required	standardized name of area						
3	date	ddmmyy	required							
4	type of visit	text	required	standard monitoring visit, non-standard evening count, other						
5	onset of count	hhmm	required							
6	end of count	hhmm	required							
7	exact time of record	hhmm	optional	in case of special observations						
8	area_size	numeric	optional	size of area surveyed (in case of evening counts)						
9	number of birds	numeric	required	number of birds of the specified sex and age class (either area total at the given date or number at location spec						
10	age class	text	required	adult, nestling, fledgling						
11	sex	text	required	M/F/O = male/female/unknown						
12	behaviour	text	required	e.g. singing, display, alarming, feeding, at nest						
13	coord_type	text	optional	system to which x/y coordinates refer (e.g. WGS 84, GK..., UTM-zone)						
14	x_coord	numeric	optional	in case of special observations, nests or single birds						
15	y_coord	numeric	optional	in case of special observations, nests or single birds						
16	observer	text	required	observer name(s)						
17	weather conditions	text	optional							
18	data sheet	numeric or text?	required	identifier of monitoring data sheet referring to this record						
19	vegetation description	text	optional							
20	db_entry	text	required	date of entering this record, method (e.g. directly by observer, read from data sheet, inferred from report)						
21	ringing code	text	optional	in case of ringed birds						
22	remarks	text	optional							
23										
24										
25										
26										
27	Notes									
28	This database is designed to hold original data. These may include repeated observations of the same birds within a season (at least the 2 monitoring occasions, but also									
29	Yearly totals or other kinds of estimates inferred from the data must not be entered into the database.									
30										
31										
32										
33										
34										

Tabelle1

Bereit

elaborated by J. Bellebaum and F. Tanneberger

Start The Bat! АНЯ - ... SpeedC... Microso... wodnicz... AW_DB... 15:58

Existing GIS

- various software eg ArcView, MapInfo, GoogleEarth
 - point information (Kalisinski – GE, Tanneberger – ArcView) and polygons (Fenchuk – ArcView)
 - various coordinate systems, reference ellipsoids, meridian stripes...
 - (almost) everything can be transformed to everything, but
- agreement needed to work most effectively



Suggested GIS

- use software/coordinate system etc. most potential users use/will use
- store AW distributions as point data (most easily transformed to other systems)

