



International winter count of Great Bustards in all three parts of Central Europe on 17th of February 2017

coordinated within the LIFE Project "Great Bustard" - LIFE15
NAT/AT/00083

compiled by

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and

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and the help of many volunteers who participated on the census on the counting day on 17
February 2017:

AUT (5 people): Tristan Ambros, Jürgen Himmler, Alfred Mayer, Rainer Raab, Petér Spakovszky

CZE (1 person): Vlasta Skorpikova

DEU (3 people, 2 of them on the counting day): Marcus Borchert, Astrid Eisenberg and Anna Marinko

HUN (17 people): Gábor Balogh, Gábor Czifrák, Sarolta Erdős, Róbert Kazi, Sándor Kovács, Sándor Konyhás, Miklós Lóránt, Attila Nagy, István Nagy, Csaba Pálinkás, Csaba Pigniczki, László Puskás, Rainer Raab, Tamás Sági, Tamás Széles, Antal Széll, Szilvia Tarjányi,

ROU (1 person): Attila Nagy

SVK (1 person): Rainer Raab

SRB (1 person): David Grabovec



Summary

With the help of many volunteers, who participated in the international census of wintering Great Bustards (organized by Rainer Raab and Manuel Wojta from the Technical Office for Biology Mag. Dr. Rainer Raab and Miklós Lóránt from the Kiskunság National Park Directorate) on the 17th of February 2017 (and partly on the 16th and 18th of February) in all three parts of central Europe in total 1,751 Great Bustards were counted in 7 countries in 15 subareas. The Middle-European Great Bustard Population is divided in 3 main populations – the German population (GP), the West-Pannonian population (WPP) and the East-Pannonian population (EPP).

The German population consist in this report of the following project areas in DEU: Belziger Landschaftswiesen (BLW), Fiener Bruch (FB) and Havelländisches Luch (HVL).

The West-Pannonian population consist in this report of the following project areas in AUT, HUN, SVK and CZE: Mosoni-sík (MS), Parndorfer Platte – Heideboden (PPH), Waasen – Hánság (WHA) and Westliches Weinviertel (WWV).

The East-Pannonian population consists in this report of the following project areas in HUN, SRB and ROU: Bihar (BIH), Vásárhelyi- és Csanádi-puszták (CSP), Dévaványai-sík (DEV), Hevesi-sík (HEV), Hortobágy (HOR), Felső-kiskunsági szikes puszták és turjánvidék (KKU), Mokrin (MOK) and Romania (ROU).

For the German population 221 individuals were counted (max. wintering numbers in January/February 2017: 238), for the West-Pannonian population 463 individuals were counted (max. wintering numbers in January/February 2017: 495), for the East-Pannonian population 1,067 individuals were counted (max. wintering numbers in January/February 2017: 1,542). Parts of the results were published on Facebook the first time on March 19th 2017 (<https://www.facebook.com/grosstrappeaustria/photos/a.234888480298830.1073741828.234870163633995/299283897192621/?type=3&theater>)

and the second time in the course of the LIFE Plattform on September 27th 2017 (<https://www.facebook.com/grosstrappeaustria/photos/a.234888480298830.1073741828.234870163633995/356544131466597/?type=3>).

Results

The international census of wintering Great Bustards (organized by Rainer Raab and Manuel Wojta from the Technical Office for Biology Mag. Dr. Rainer Raab and Miklós Lóránt from the Kiskunság National Park Directorate) was planned for the 17th of February 2017. Most of the Great Bustards were observed on the planned date of the 17th, however out of organizational *Rainer Raab, Manuel Wojta, Petér Spakovsky and Jochen Steindl in co-operation with Miklós Lóránt* 2



complications some of the monitoring was done on the 16th and 18th of February in 3 project areas. The observations made on the 16th were made in HVL in Germany and observations on the 18th were made in BIH and ROU. With the help of many volunteers who participated in the census on this day in total 1,751 Great Bustards were counted in 7 countries in 15 subareas (Fig. 1). The maximum number of wintering Great Bustards for 2016/2017 is 2,275 (Fig. 2). This number consists of 3 populations – the German population, the West-Pannonian population and the East-Pannonian population. On the counting day 221 individuals could be observed for the German population (93% of the maximum numbers of Great Bustards in the winter 2016/2017), 463 individuals for the West-Pannonian population (94% of the maximum number of Great Bustards in the winter 2016/2017) and for the East-Pannonian population 1,067 could be observed (69% of the maximum number of Great Bustards in the winter 2016/2017) (Fig. 3).

In Germany 221, in Hungary 1,077, in Austria 244, in Slovakia 175, in the Czech Republic 0, in Serbia 10 and in Romania 24 individuals were counted (Tab. 1) (Fig. 7 - Fig. 4).

Tab. 1: Overview of observed Great Bustards on 16 - 18 February 2017 in the 7 countries Germany, Hungary, Austria, Slovakia, Czech Republic, Serbia and Romania.

Population	Locality	Country	X (WGS 84)	Y (WGS_84)	adM	juvM	F	indt	Total	Observer	
GP	BLW	Germany	12,633106	52,202484	0	1	16	0	17	Astrid	Eisenberg
GP	BLW	Germany	12,673121	52,182859	13	2	27	0	42	Astrid	Eisenberg
GP	FB	Germany	12,264806	52,333767	1	0	20	0	21	Marcus	Eisenberg
GP	FB	Germany	12,294293	52,336731	28	0	1	0	29	Marcus	Eisenberg
GP	FB	Germany	12,291413	52,337735	1	0	21	0	22	Marcus	Borchert
GP	FB	Germany	12,142166	52,295293	0	0	2	0	2	Marcus	Borchert
GP	HVL	Germany	12,627834	52,605549	30	0	0	0	30	Astrid	Borchert
GP	HVL	Germany	12,622513	52,587628	2	1	55	0	58	Astrid	Borchert
WPP	CZE	Czech	-	-	0	0	0	0	0	Vlasta	Skorpikova
WPP	MS	Hungary	17,134957	47,832985	0	0	30	1	31	Petér	Spakovszky
WPP	MS	Hungary	17,131829	47,832783	4	0	0	0	4	Petér	Spakovszky
WPP	PPH	Hungary	17,169889	47,987778	9	0	0	0	9	Rainer	Raab
WPP	PPH	Austria	17,102688	48,018525	0	0	89	0	89	Rainer	Raab
WPP	PPH	Austria	17,106652	48,020306	7	9	45	0	61	Rainer	Raab
WPP	PPH	Austria	17,117803	48,005518	0	0	32	0	32	Rainer	Raab
WPP	PPH	Austria	17,120719	48,003309	4	0	0	0	4	Rainer	Raab
WPP	PPH	Austria	17,119267	48,001092	3	0	0	0	3	Rainer	Raab
WPP	PPH	Austria	17,143937	48,010213	1	0	0	0	1	Rainer	Raab
WPP	PPH	Austria	17,112709	47,995568	5	3	1	0	9	Rainer	Raab
WPP	PPH	Slovakia	17,098274	48,035930	0	0	4	0	4	Rainer	Raab
WPP	PPH	Slovakia	17,095466	48,036063	41	10	82	0	133	Rainer	Raab
WPP	PPH	Slovakia	17,151068	48,023127	3	0	0	0	3	Rainer	Raab



Population	Locality	Country	X (WGS 84)	Y (WGS_84)	adM	juvM	F	indt	Total	Observer	
WPP	PPH	Slovakia	17,158021	48,023153	15	14	1	0	30	Rainer	Raab
WPP	PPH	Slovakia	17,156167	48,015419	1	0	4	0	5	Rainer	Raab
WPP	WHA	Austria	17,025501	47,746086	4	0	0	0	4	Petér	Spakovszky
WPP	WWV	Austria	15,906675	48,626030	12	0	1	0	13	Alfred	Mayer
WPP	WWV	Austria	15,910936	48,635825	0	0	18	0	18	Alfred	Mayer
WPP	WWV	Austria	15,904027	48,633539	0	0	0	7	7	Alfred	Mayer
WPP	WWV	Austria	15,885502	48,622707	3	0	0	0	3	Alfred	Mayer
EPP	BIH	Hungary	21,326683	47,258864	0	0	18	0	18	Sándor	Konyhás
EPP	BIH	Hungary	21,414767	47,095872	44	0	13	0	57	Sándor	Konyhás
EPP	BIH	Hungary	21,418199	47,094514	7	0	20	0	27	Sándor	Konyhás
EPP	BIH	Hungary	21,476628	47,072112	26	0	0	0	26	Sándor	Konyhás
EPP	BIH	Hungary	21,452917	47,103699	0	0	27	0	27	Sándor	Konyhás
EPP	BIH	Hungary	21,470261	47,105115	1	0	12	0	13	Sándor	Konyhás
EPP	BIH	Hungary	21,597265	47,196707	2	0	14	0	16	Sándor	Konyhás
EPP	DEV	Hungary	20,993641	47,051920	20	0	16	0	36	Antal	Széll
EPP	DEV	Hungary	21,006600	47,041972	5	0	0	0	5	Antal	Széll
EPP	DEV	Hungary	21,207387	47,068305	7	0	0	0	7	Antal	Széll
EPP	DEV	Hungary	21,117198	47,162209	0	3	80	0	83	Antal	Széll
EPP	DEV	Hungary	21,110354	47,153108	7	0	0	0	7	Antal	Széll
EPP	DEV	Hungary	21,128684	47,078915	0	0	47	0	47	László	Puskás
EPP	DEV	Hungary	20,729272	47,059180	3	0	0	0	3	Gábor	Czifrák
EPP	KKU	Hungary	19,211717	47,109403	0	0	2	0	2	Miklós	Lóránt
EPP	KKU	Hungary	19,200889	47,105577	1	0	9	0	10	Miklós	Lóránt
EPP	KKU	Hungary	19,211277	47,107622	0	0	10	0	10	Miklós	Lóránt
EPP	KKU	Hungary	19,210601	47,106238	6	0	0	0	6	Miklós	Lóránt
EPP	KKU	Hungary	19,200663	47,113997	2	0	40	0	42	Miklós	Lóránt
EPP	KKU	Hungary	19,186518	47,127247	2	0	16	0	18	Miklós	Lóránt
EPP	KKU	Hungary	19,183248	47,126765	0	0	19	0	19	Miklós	Lóránt
EPP	KKU	Hungary	19,155028	47,185518	0	0	3	0	3	Miklós	Lóránt
EPP	KKU	Hungary	19,174571	47,174883	14	0	0	0	14	Miklós	Lóránt
EPP	KKU	Hungary	19,173827	47,178276	0	0	11	0	11	Miklós	Lóránt
EPP	KKU	Hungary	19,165540	47,177592	0	0	1	0	1	Miklós	Lóránt
EPP	KKU	Hungary	19,213211	47,136513	3	0	12	0	15	Miklós	Lóránt
EPP	KKU	Hungary	19,211397	47,133853	0	0	12	0	12	Miklós	Lóránt
EPP	KKU	Hungary	19,215086	47,141773	0	0	12	0	12	Miklós	Lóránt
EPP	KKU	Hungary	19,217142	47,124814	0	0	1	0	1	Miklós	Lóránt
EPP	KKU	Hungary	19,204309	47,121602	0	0	10	0	10	Miklós	Lóránt
EPP	KKU	Hungary	19,220877	47,081431	14	0	26	0	40	Miklós	Lóránt
EPP	KKU	Hungary	19,180873	47,067181	18	0	0	0	18	Miklós	Lóránt
EPP	KKU	Hungary	19,198747	47,051534	5	0	0	0	5	Csaba	Pálinkás



Population	Locality	Country	X (WGS 84)	Y (WGS_84)	adM	juvM	F	indt	Total	Observer	
EPP	KKU	Hungary	19,231174	47,015864	0	0	22	0	22	Csaba	Pálinkás
EPP	KKU	Hungary	19,245309	47,032401	9	0	0	0	9	Csaba	Pálinkás
EPP	KKU	Hungary	19,259902	47,069383	2	0	0	0	2	Csaba	Pálinkás
EPP	KKU	Hungary	19,166366	47,002194	0	0	44	0	44	Erdős	Sarolta
EPP	KKU	Hungary	19,098695	47,180609	19	0	49	0	68	István	Nagy
EPP	KKU	Hungary	19,120988	47,187497	3	0	0	0	3	István	Nagy
EPP	KKU	Hungary	19,059143	47,060223	0	0	0	61	61	Róbert	Kazi
EPP	KKU	Hungary	19,069487	47,053700	0	0	8	0	8	Róbert	Kazi
EPP	KKU	Hungary	19,035666	46,919278	0	0	0	1	1	Csaba	Pigniczki
EPP	KKU	Hungary	19,109107	46,649583	0	0	23	0	23	Sándor	Kovács
EPP	KKU	Hungary	19,193526	46,767156	1	0	0	0	1	Tamás	Sápi
EPP	HEV	Hungary	20,584969	47,634867	1	0	0	0	1	Tamás	Széles
EPP	HOR	Hungary	21,093769	47,460364	26	0	14	0	40	Sándor	Konyhás
EPP	HOR	Hungary	20,945795	47,401002	0	0	40	0	40	Sándor	Konyhás
EPP	HOR	Hungary	20,934888	47,232877	2	0	40	0	42	Sándor	Konyhás
EPP	HOR	Hungary	21,162552	47,373621	0	0	18	0	18	Sándor	Konyhás
EPP	ROM	Romania	21,576754	46,800224	2	0	22	0	24	Attila	Nagy
EPP	MOK	Serbia	20,346100	45,959896	0	0	0	0	10	David	Grabovec
EPP	CSP	Hungary	20,664689	46,387883	5	5	19	0	29	Gábor	Balogh

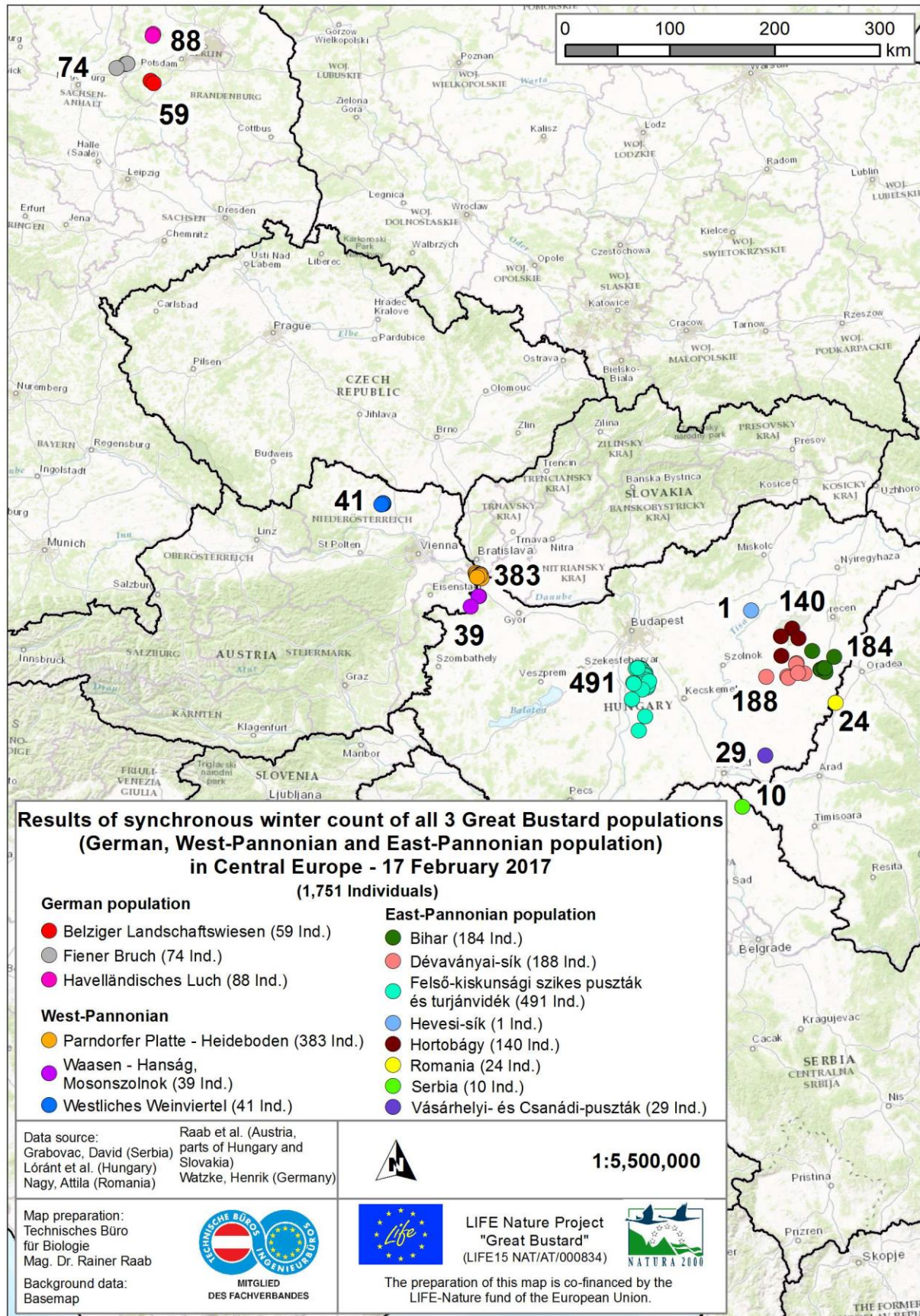


Fig. 1: Overview of the results of the synchronous winter count of all 3 Great Bustard populations (German, West-Pannonian and East-Pannonian) in Central Europe on 17 February 2017.

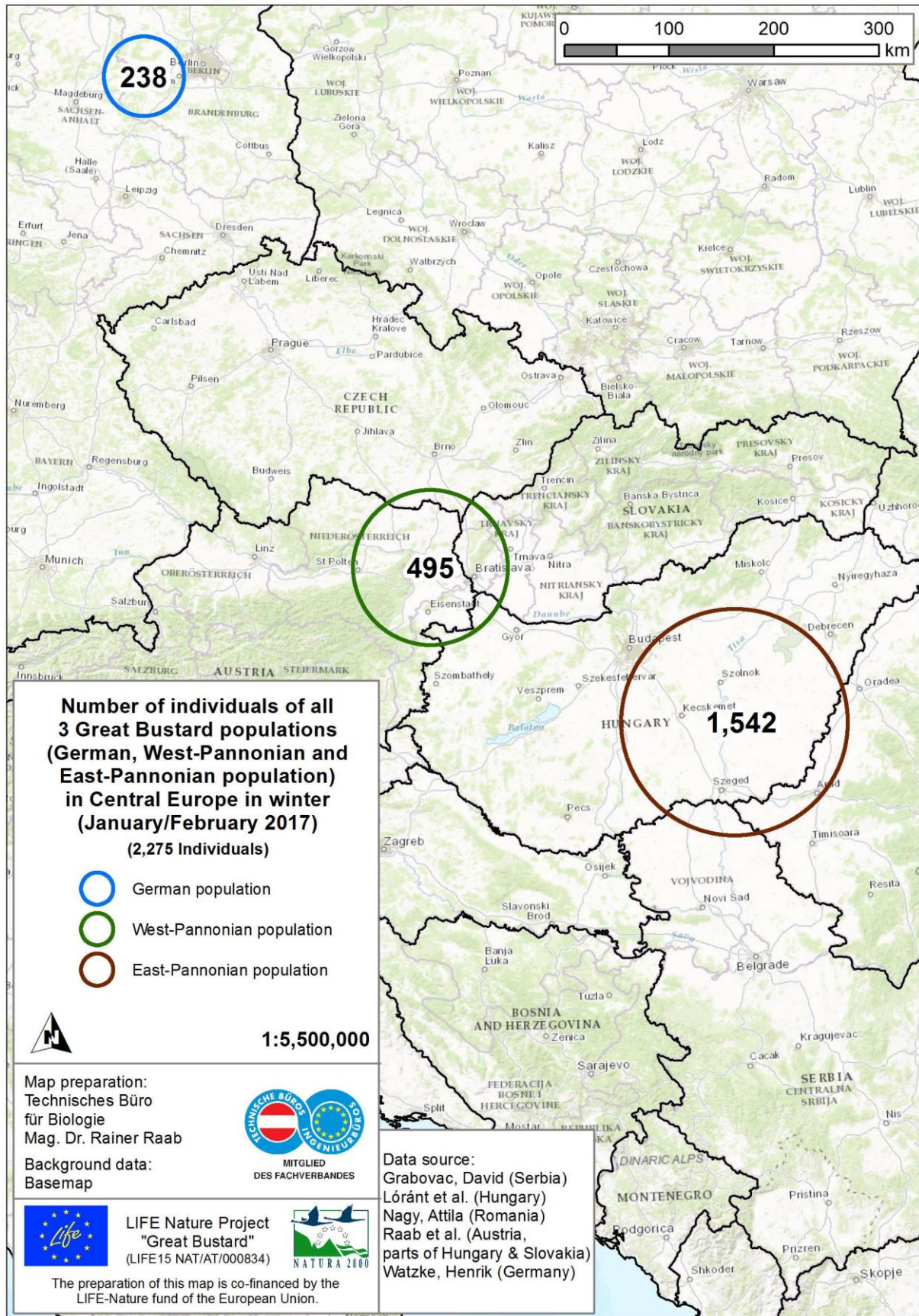


Fig. 2: Overview of the maximum number of individuals of all 3 Great Bustard populations (German, West-Pannonian and East-Pannonian population) in Central Europe in winter (January/February 2017).

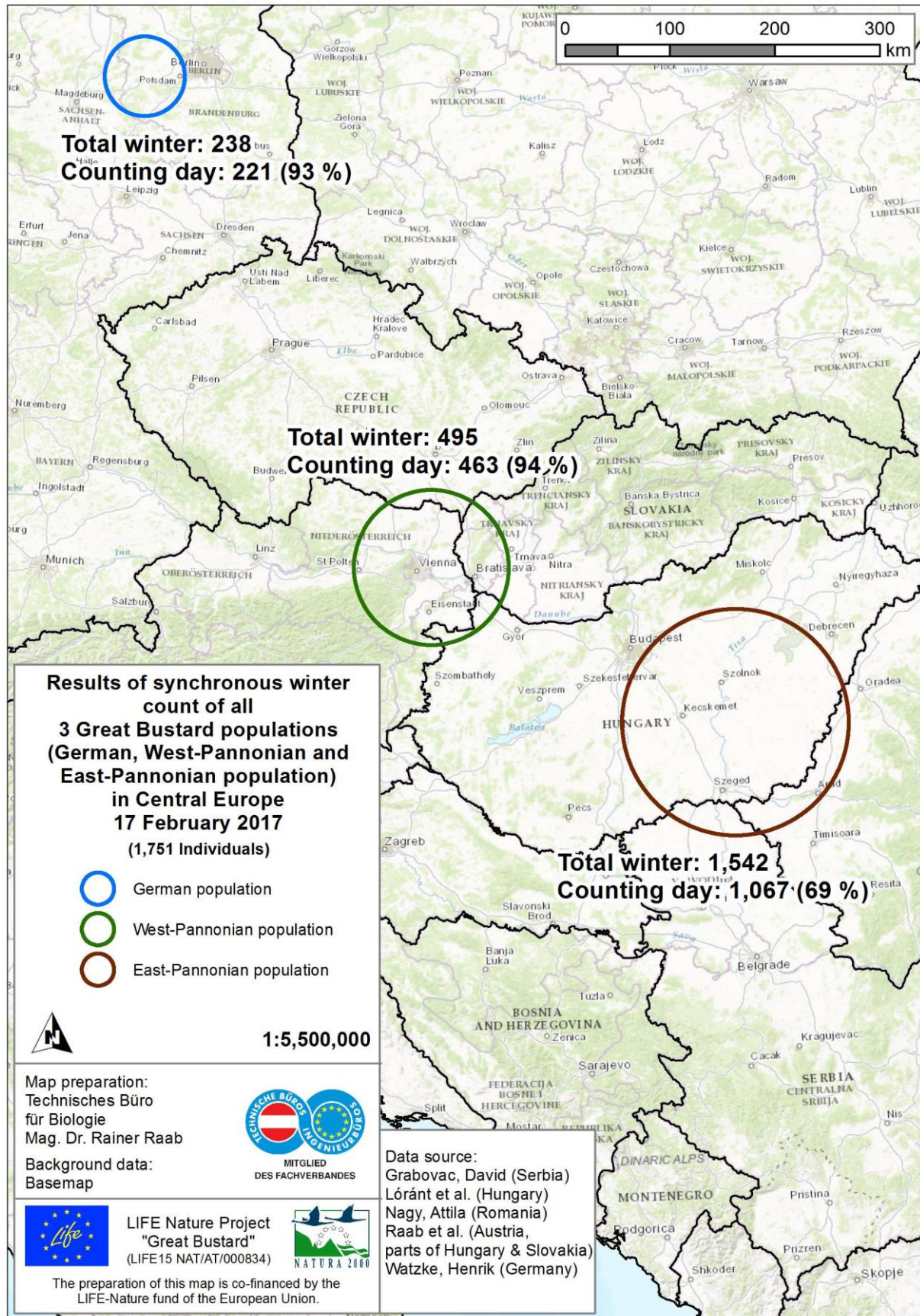


Fig. 3: Overview of the results of the synchronous winter count of all 3 Great Bustard populations (German, West-Pannonian and East-Pannonian population) in Central Europe 17 February 2017.

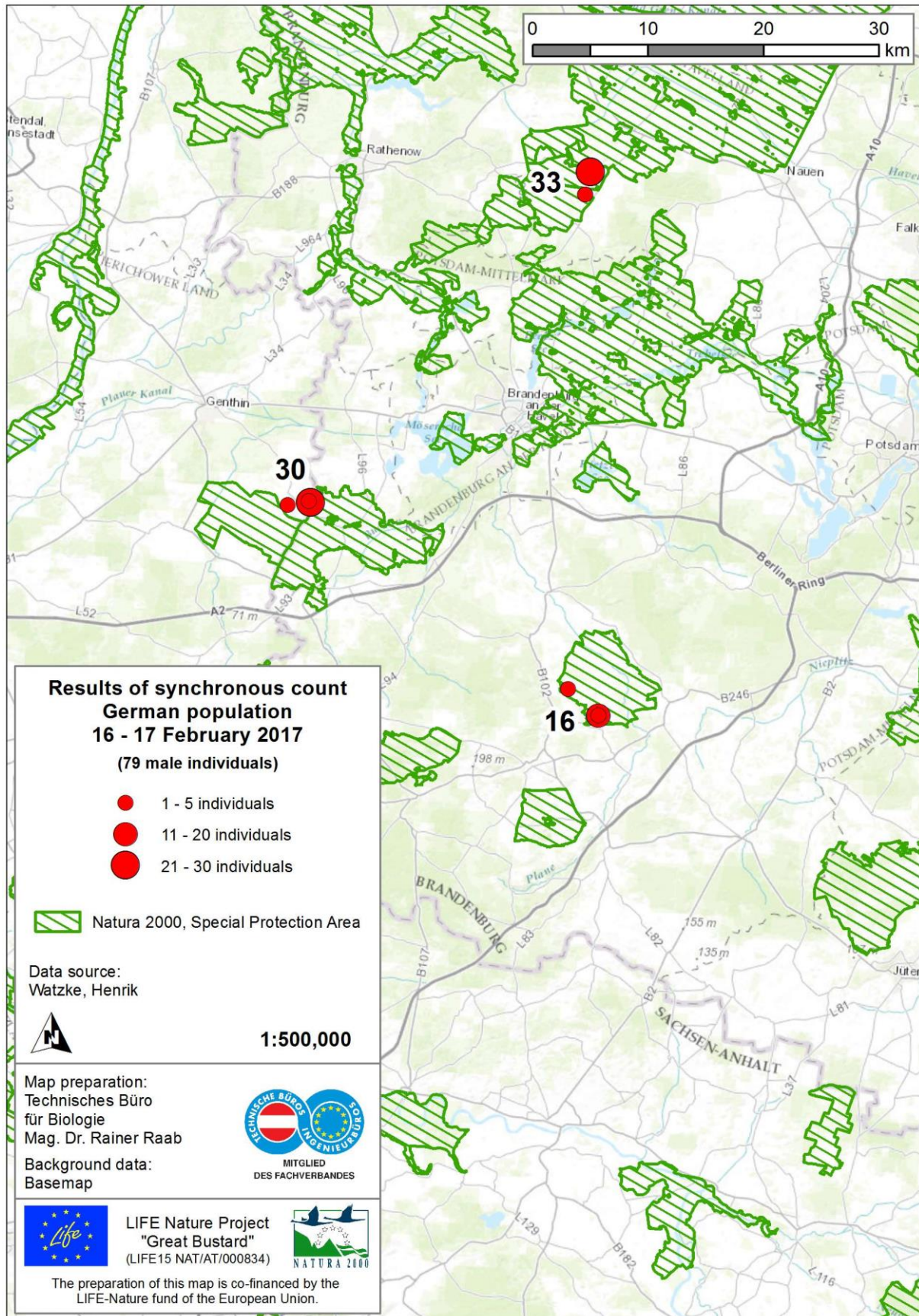


Fig. 4: Overview of male Great Bustard observations in the German population on 16 and 17 February 2017.

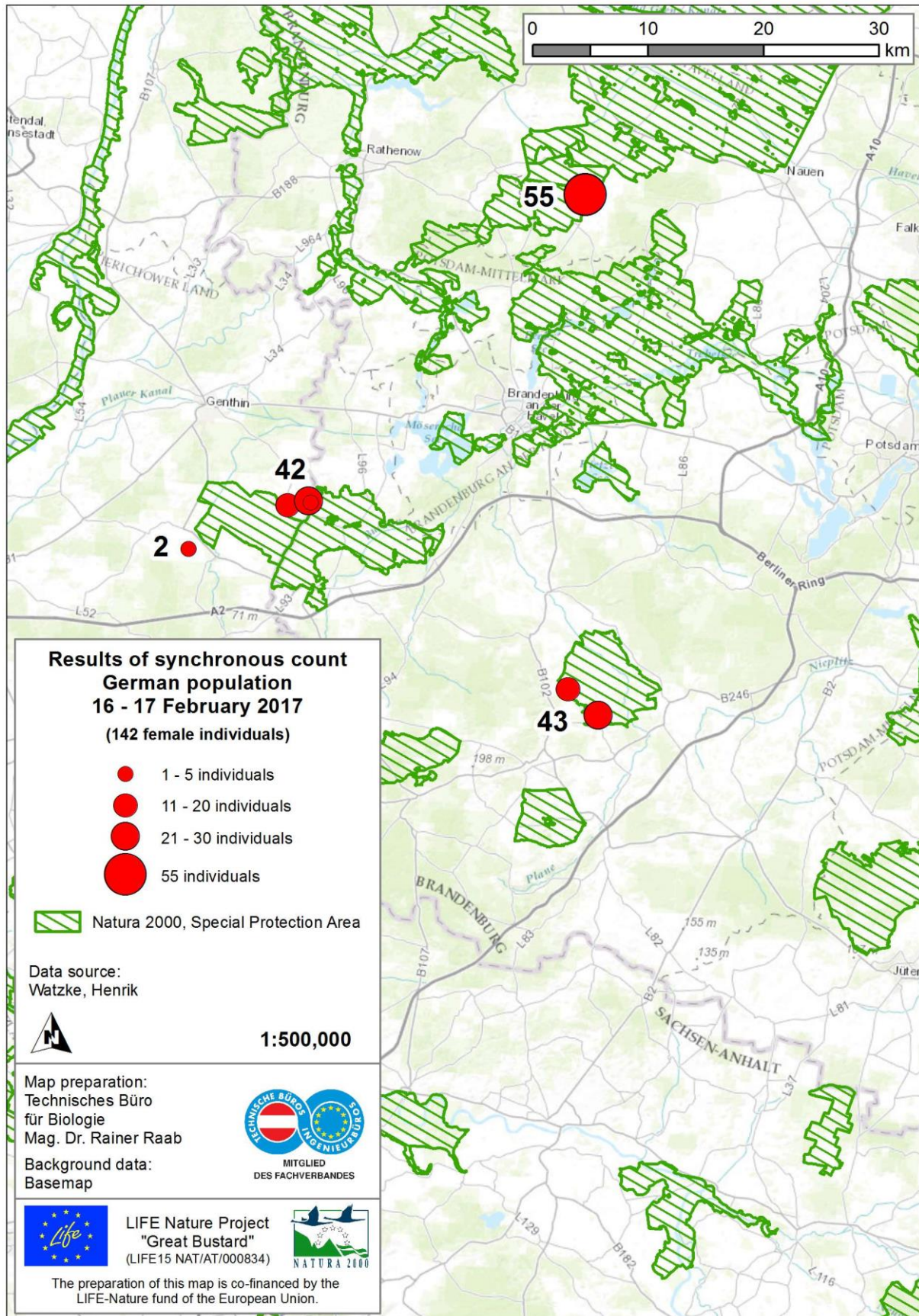


Fig. 5: Overview of female Great Bustard observations of the German population on 16 and 17 February 2017.

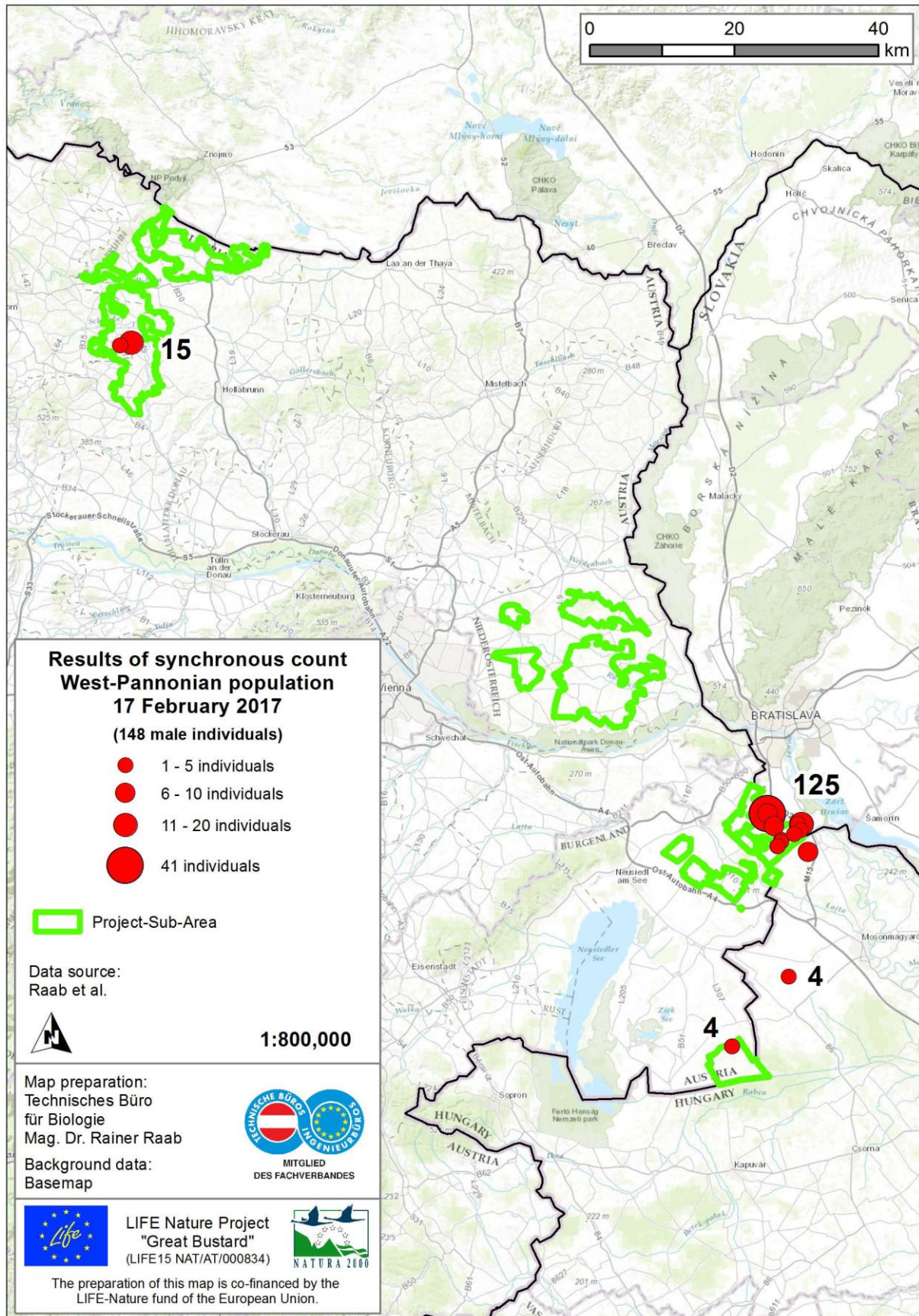


Fig. 6: Overview of male Great Bustard observations of the West-Pannonian population on 17 February 2017.

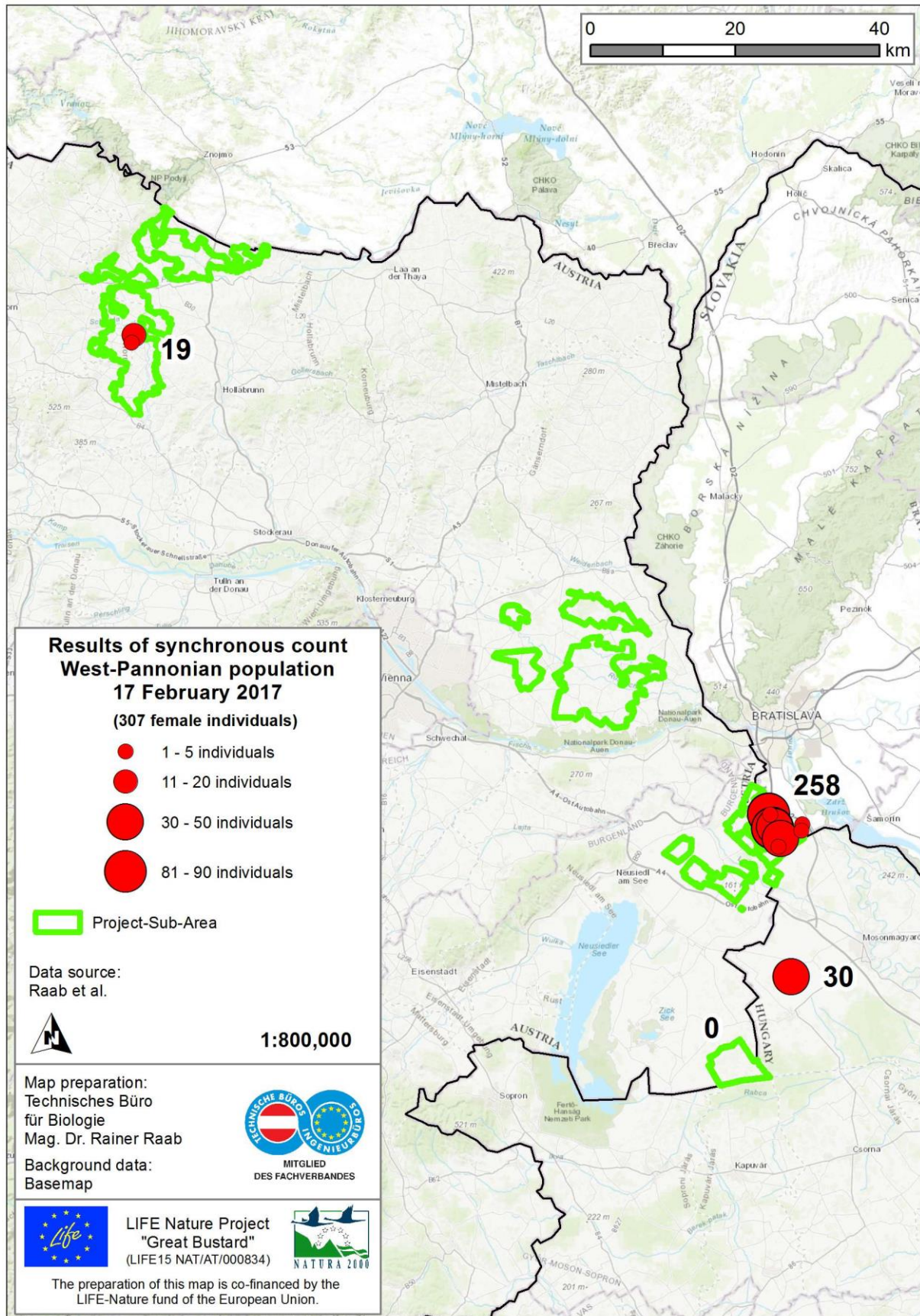


Fig. 7: Overview of female Great Bustard observations of the West-Pannonian population on 17 February 2017.

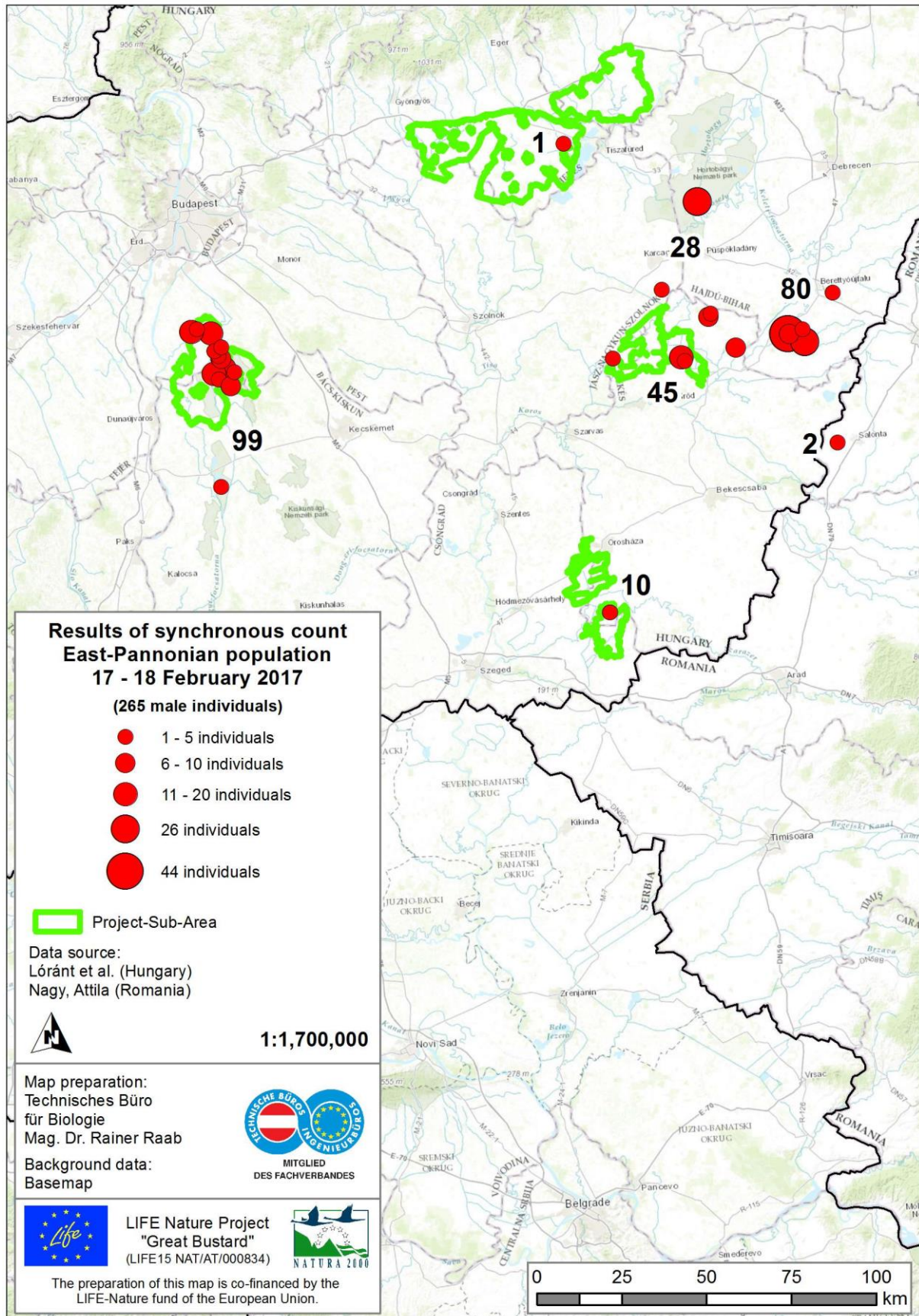


Fig. 8: Overview of male Great Bustard observations of the East-Pannonian population on 17 and 18 February 2017.

