

Capacity building experiences with volunteers for large scale bird surveys and projects in Slovenia

Damijan Denac Trenta, 18.9.2019







- DOPPS BirdLife Slovenia is Slovenia's biggest NGO in the field of nature protection, funded in 1979
- BirdLife International partner in 2001
- 1,000 members, employs 29 people
- 200 600 volunteers

nature and people

- Public interest of nature protection, environment protection and research
- We are working for the protection of birds and their habitats thus contributing to conservation of nature and welfare of society





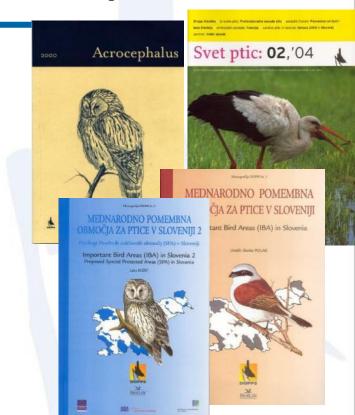




Research, protect, educate, publish













TRUDATES Jose sequilla

Fotografija: Gregor Bernard

VIJEGLAVKA

Jynx torquilla

Torcicollo nyaktekeres vijoglav Wendehals



248 Art. at 1990; St. compage, Popin grand III assessmen

Vijsta, Avica, je pogosta in splošno razširjena v večjem delu Evrope, le v delu zahodne Evrope in na Iberskem polotoku je njena razširjenost bolj razšlenjena, v Veliki Britaniji in na Irskem pa je ni (Birdl.ife International 2017b). V Sloveniji je zelo pogosta in splošno razširjena z izjemo alpskega sveta.

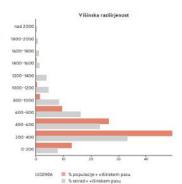
Vijeglavka dosega najvećje gostote v Sotelskem in Voglajnskem grjecvju, skrajnem vzhodnem in zahodnem delu Posavskega hribovja in v Gričevjih nad Krško kotlino. Nekoliko maniše so gostote na Banjšicah in Kambreškem, v Vipavski dolini, Brkinih in v Dolini Reke, Beli krajini, Novomeški pokrajini, Savinjski dolini med Menino, Dobrovljami in Goltemi ter v severnem delu Slovenskih goric. Redka je v zahodnem predalpskem svetu, Dravinjskih goricah, v Celjski kotlini, na Dravskem polju, Pomurski ravnini in zahodnem Goričkem. V gorskem veru vključno s Pohorjem, na Snežniku in v večjem delu Ribniško-Kočevskega hribovja je ni. V primerjavi s prejšnjim atlasom (Geister 1994) je bila vijeglavka odkrita v pribl. 40 % već kvadratov, kar pa pripisujemo obsežnim sistematičnim popisom in povećanemu številu ornitologov, ne pa porastu populacije in širitvi areala. Vijeglavka je vrsta grićevij, kar je razvidno že iz opisa njene razširjenosti, dodatno pa to potrjuje njena višinska razširjenost. Kar 75 % populacije naseljuje višinski pas 200-600 m, medtem ko se v nižinah do 200 m pojavlja manj kot 15 % populacije, kar je verjetno posledica majhnega deleža površine Slovenije v tem visinskem pasu. V popisih za atlas TNP je bila najvišje zabeležena na 1050 m (Jančar 1997).

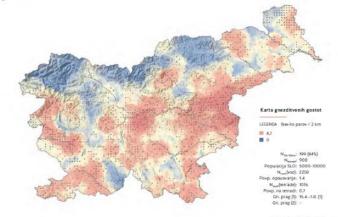
Prebiya v mozaični kmetijski krajini z visokodebelnimi sadovniaki, skupinami drevja, grmovno-drevesnimi mejicami in travniki (Geister 1995, Janear & Trebusak 2000, Tome et al. 2005, Denac & Kmeel 2014). Najraje ima na jug obrnjene tople lege (Maumary et al. 2007). Ob Muri in Dravi naseljuje tudi rećni poplavni gozd (Bračko 1997, Božić 2007), na Kozjanskem gozdni rob (Jančar 2000), na Ljubljanskem barju pas drevja ob večjih odvodnikih (Tome 2001a), v Savinjski dolini pa celo hmeljišća (Vogrin 2004a). Gnezdi v duplih, ki si jih ne izreše sama, rada pa zasede tudi gnezdilnice, iz katerih pogosto prežene druge manjše vrste (Maumary et al. 2007) V mestnih parkih, npr. v Ljubljani, je kljub zadostnemu številu dupel redka, najverjetneje zaradi pomanjkanja travnikov, kjer išće svoj glavni plen, mravlje in njihove razvojne stadije (Tome et al. 2013). Nasprotno pa je na avstrijskem Koroškem in Štajerskem v parkih in na pokopališčih običajna gnezdilka (Feldner et al. 2006, Albegger et al. 2015). Za prehranjevanje potrebuje nizko rastje in precejšen delež golih tal, saj je tam plen lažje dostopen (Mermod et al. 2009, Weisshaupt et al. 2011). Strnjenim gozdovom in gozdnim monokulturam se izogiba (Feldner et al. 2006), lahko pa se pojavlja v fragmentiranih listnatih gozdovih (Štumberger 2002g). Ekologija vrste v Sloveniji še ni bila raziskana, imamo pa kar nekaj podatkov o njenih gostotah. Na Kozjanskem je bila v letu 1999 ugotovljena gostota 3,9-13,9 p/km¹ (Jančar & Trebušak 2000), v letu 2010 pa le še 4 p./km2 (Kmecl et al. 2014c). Na Goričkem smo izračunali gostoto o,4 p/km² (Denac & Kmeel 2014), na Ljubljanskem barju 0,4-0,5 p./km2 (Tome et al. 2005), v kulturni krajini Ljubljane do 0,8 p./km², na območju družinskih hiš in primestnih nasclij 0,1-13 p/km² (Tome et al. 2011) ter v poplavnem gozdu ob spodnji Muri 1,6 p/km² (Božić 2007). V Rusiji in Belorusiji so gostote znašale 0,4 p/km², drugod po Evropi pa do 0.,2 p/km² (Hagemeijer & Blair 1997). V Svici dosega gostoce 1.3–2.1 p/km² (Maumary et al. 2007), na avstrijskem Stajerskem 0.1–0.5 p/km² (Albegger et al. 2005) in na avstrijskem Koroškem 2–6 p/km², v kmetijski krajini pa le 0.3 p/km² (Feldner et al. 2006).

V Evropi je v obdobju 1980–2015 doživela zmeren upad, in siece za 59 % (EBCC 2017). V slovenski kmrtjaši krajini je bil njen trend obdobju 2008.-2016 stabilen (Kmećl & Fijedj 2016), meltem ko je na Kozjanskem v obdobju 1959–2010 upadla za 38.5. % (Kmećl et al. 2014c), na Goričkem pa je njena populacija med letoma 2003 in 2012 porasla (Denac & Kmećl 2014). Visto ogrožajo propadanje visokodebelnih sadovnjakov, neprimerna oživitevena rez v njih, premena travnikov v njive, gojenjen travnikov, prepogoste košnje, zaradi česar propadajo kolonije mravelj, sečnja mejje, uporaba pesticidov in odstranjevanje dreves z dupli v gozdu (Feldent et al. 2006, Maumary et al. 2015, Kmećl et al. 2014, Albegger et al. 2015).

Dominik Bombek, Katarina Denac

Ein-MAIAN WANNIGK is a common and widespread breeder in the hills throughout Slovenia, avoiding only high mountain ranges and the large areas of continuous forest. It occupies mossical agricultural landscapes, riparian forests and forest edges, feeding mainly on grasulands and parthes of bare ground. Densities range from 0.1 to 4.0 μ/km. The species has opposing trends in different parts of the country with declines probably caused by the degradation of traditional orchards and intensive management of





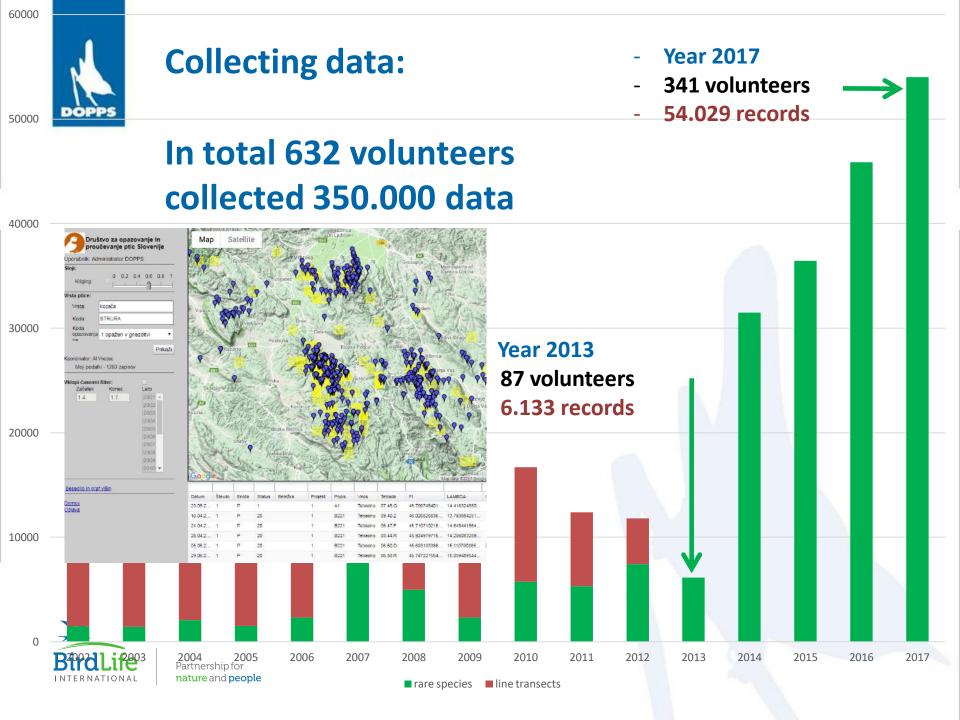
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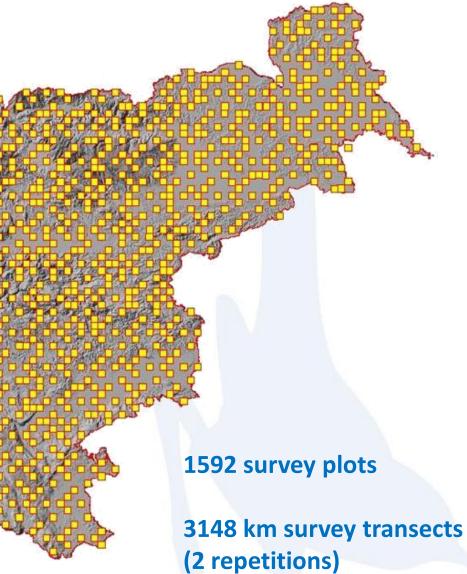
A	Gregor Blažon	Marjeta Cvetko	Ana Drole
Črt Ahlin	Gregor Bogovič	Č	E
Ajša Alagić	Anja Bolčina	Miran Čas	Nina Erbida
Nina Aleš	Dominik Bombek	Aljaž Čepon	Iztok Erjavec
Omar Alhady	Ana Bordjan	Manca Černigoj	Ivan Esenko
Špela Ambrožič	Dejan Bordjan	Lucija Česnik	Luka Esenko
Marjan Artnak	Lan Bordjan	Boštjan Čibej	F
В	Leon Borovnjak	Zlata Čibej	Bojana Fajdiga
Smiljan Bačani	Al Božič	Maja Čonč	Milan Fakin
Klavdij Bajc	Aleksander Božič	Andreja Čurman	Dare Fekonja
Zoja Bajde	Ema Božič	D	Kim Ferjančič
Branko Bakan	Ivo A. Božič	Igor Dakskobler	Darko Ferlan
Matej Baldeck	Janez Božič	Vid Dakskobler	Tea Ferlan
Štefan Baldeck	Luka Božič	Maarten de Groot	Andrej Figelj
Petra Bandelj	Franc Bračko	Boštjan Deberšek	Jernej Figelj
Tilen Basle	Alenka Bradač	Jernej Debevec	Jasmina Filipič
Nadja Baucon	Igor Brajnik	Benjamin Denac	Urša Fležar
Nataša Bavec	Branko Brečko	Damijan Denac	Jonathan Franzen
Matjaž Bedjanič	Jan Breznar	Katarina Denac	G
Tanja Benko	Natalija Budin	Mitja Denac	Matic Gabor
Katarina Benulič	Urša Budja	Zarja Denac	Igor Gajšek
Mateja Berce	C	Urška Deželak	Špela Gale
Sara Berce	Andrej Cej	Filip Dobnikar	Matej Gamser
Tomaž Berce	Vanja Celin	Mina Dobravc	Fulvio Genero
Gregor Bernard	Milan Cerar	Petra Dolinar	Martin Gerlič
Irena Bertoncelj	Valter Cergol	Rok Dolinar	Blaž Gindiciosi
Danilo Bevk	Sara Cernich	Tina Dolinšek	Matteo Giraldi
Vanesa Bezlaj	Rok Cesar	Gregor Domanjko	Robi Gjergjek
Andrej Bibič	Henrik Ciglič	Matija Dominko	Miran Gjerkeš
Primož Bizjan	Maja Cipot	Janez Dragolič	Tim Gnidovec
Edvard Blatnik	Denis Cizar	Petra Draškovič	Marjan Gobec
Ines Blaž	Matjaž Cizel	Andreja Dremelj	Jan Gojznikar
Blaž Blažič	Barrie Cooper	Jošt Drol	Nina Golnar







"Group counts" for remote areas (4 veekends/year)



O Atlasu



19010

Število vnosov zadnjih 10 tednov

.ld..r

1467

Število vnosov zadnji teden

₼ Zadnjih 15 opazovanj

mlakarica	07.04.2017	Rok Lobnik
rumenonogi galeb	07.04.2017	Rok Lobnik
kvakač	07.04.2017	Al Božič
mlakarica	07.04.2017	Al Božič
ščinkavec	07.04.2017	Al Božič
grivar	07.04.2017	Al Božič
šmarnica	07.04.2017	Rok Lobnik
siva vrana	07.04.2017	Rok Lobnik
domači golob	07.04.2017	Rok Lobnik
grilček	07.04.2017	Rok Lobnik
lišček	07.04.2017	Rok Lobnik
domači golob	07.04.2017	Aleksander Božič
bela štorklja	07.04.2017	Aleksander Božič
črnoglavka	07.04.2017	Aleksander Božič
kanja	07.04.2017	Aleksander Božič

Število vrst letos

Blažič Blaž	172
Sešlar Maks	162
Bordjan Dejan	155
Denac Mitja	147
Bernard Gregor	145
Mulej Aljaž	143
Božič Aleksander	131
Basle Tilen	126
Kapš David	125
Škornik Iztok	125
Vidmar Jani	124
Pušenjak Tosja	124
Borovnjak Leon	122
Hribovšek Jurij	118
Mlakar Medved Matija	117

Blažič Blaž	39
Borovnjak Leon	32
Bordjan Dejan	31
Sešlar Maks	30
Mulej Aljaž	28
Pečar Žan	27
Fekonja Dare	26
Božič Aleksander	22
Šalamun Željko	19
Domanjko Gregor	17
Podletnik Mojca	17
Krečič Peter	16
Basle Tilen	15
Mandeljc Marjana	15
Gjergjek Robi	14

Število opazovanj letos

Božič Aleksander	4860
Božič Luka	2226
Turk Velimir	2190
Bordjan Dejan	1365
Blažič Blaž	1134
Kapš David	1007
Basle Tilen	890
Kapš Filip	881
Bernard Gregor	860
Sešlar Maks	776
Borovnjak Leon	746
Vidmar Jani	743
Pušenjak Tosja	725
Domanjko Gregor	630
Mulej Aljaž	624

Rezultati za leto 2016







Rezultati za leto 2016

V rezultate so šteta vsa opazovanja od 1.1.2016 do 31.12.2016. Matej Gamser: 276v! Željko Šalamun: 201g! Dejan Bordjan: 5555p!

ப் Število vrst 2016	
1. Gamser Matej	3
2. Denac Mitja	265
3. Mlakar Medved Matija	264
4. Bordjan Dejan	256
5. Šalamun Željko	231
6. Novak Jure	227
7. Poljanec Nejc	224
8. Kotnik Alex	220
9. Sešlar Maks	218
10. Bernard Gregor	217
11. Poljanec Luka	213
12. Blažič Blaž	207
13. Stanič Domen	201
14. Fekonja Dare	199
15. Vidmar Jani	199
16. Rutnik Katja	197
17. Pršin Tjaša	193
18. Mihelič Tomaž	192
19. Kapš David	191
20. Mihelič Ruj	189
21. Cernich Sara	187
22. Bordjan Lan	186
23. Mihelič Gaber	184
24. Denac Katarina	179
25. Poljanec Jon	179

1. Šalamun Željko	1
2. Gamser Matej	180
3. Denac Mitja	150
4. Fekonja Dare	145
5. Borovnjak Leon	128
6. Mlakar Medved Matija	124
7. Bordjan Dejan	122
8. Vidmar Barbara	118
9. Kotnik Alex	105
10. Krečič Peter	104
11. Stanič Domen	103
12. Tekavčič Rudolf	101
13. Poljanec Nejc	98
14. Domanjko Gregor	96
15. Gjergjek Robi	92
16. Leskošek Janez	89
17. Šiško Robi	85
18. Bernard Gregor	85
19. Cernich Sara	82
20. Vidmar Jani	77
21. Podletnik Mojca	76
22. Bavec Nataša	74
23. Kozina Aleksander	73
24. Kapš David	70
25. Denac Katarina	69

1. Bordjan Dejan			
2. Turk Velimir	4591		
3. Gamser Matej	3649		
Domanjko Gregor	3304		
5. Šalamun Željko	2703		
6. Šiško Robi	2700		
7. Denac Mitja			
8. Mihelič Ruj			
9. Fekonja Dare			4
10. Mihelič Tomaž		STATE OF	
11. Mihelič Gaber			
12. Kapš David	A 44.5		,
13. Podletnik Mojca			ľ
14. Bernard Gregor			
15. Gjergjek Robi			
16. Stanič Domen			
17. Mihelič Kalina		1150 1000	-
18. Mihelič Bor	-		1
19. Blažič Blaž	1		
20. Zagoršek Tjaša	×		_
21. Novak Jure		ornitolo	6
22. Rutnik Katja		4	
23. Borovnjak Leon			4
24. Mingot Brigita		ornitolog 20 § 4	-
25. Cernich Sara			



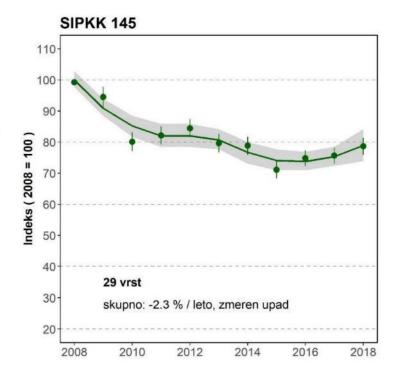


Lesson #1

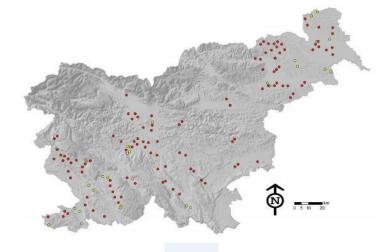
- Professional online database (fast, counting of records - feedback, competition, admin should be fluent)
- Provide feedback on a volunteer's perfomance
- To see your results in "real time"
- Awards for "best ornithologist" stimulation
- Collective effort (group counts)
- Make them part of the team







FBI







DOPPS

IWC

- 2017 21. successive year
- 235 volunteers
- 413 river/sea sections in total length 1,427 km and 200 locations (standing waters).
- 51.790 waterbirds counted / 61 species









Eagle Owl survey (caretaker scheme)







ACROCEPHALUS 31 (145/146): 101-114, 2010 doi: 10.2478/v10100-010-0007-4

POPULATION DYNAMICS OF THE WHITE STORK Ciconia ciconia in Slovenia BETWEEN 1999 AND 2010

Populacijska dinamika bele štorklje Ciconia ciconia v Sloveniji med letoma 1999 in 2010

DAMIIAN DENAC

DOPPS - BirdLife Slovenia, P.O. Box: 2990, SI-1001 Ljubljana, Slovenia & National Institute of Biology, Večna pot 111, SI-1000 Ljubljana, Slovenia, e-mail: damijan.denac@dopps.si, damijan.denac@nib.si

> Between 1999 and 2010, an annual census of the White Stork Ciconia ciconia breeding population was carried out in Slovenia using standardised methods. The Stork's population was concentrated in the NE and SE parts of Slovenia. In the 1999-2010 period, the breeding range of its population in Slovenia expanded in NW direction (the Savska ravan region), in SW direction (the Notranjsko podolje and Pivško podolje regions), but the species also colonized a part between Central and SE Slovenia (Dolenjsko podolje). Between 193 and 240 pairs were breeding during the study period, 209 pairs on average (HPa). The largest number of breeding pairs was recorded in 2004, the smallest in 2005. During the study period, breeding pairs (HPa) occupied 350 discrete nests in total. Average number of breeding pairs that raised juveniles (HPm) was 161. The highest fecundity was recorded in 2004, when 534 juveniles (JZG) fledged, the lowest in 2006, with only 219 fledged juveniles. On average, 414 juveniles fledged per year. The breeding pairs' (JZa) average breeding success in these 12 years was 2.02, the highest in 2000 (2.41), the lowest in 2006 (1.09). Average breeding success for the successful breeding pairs ([Zm) was 2.57. The highest was in 2007 (2.94), the lowest in 2006 (2.07). The largest number of breeding pairs in 2004 and 2008 can be explained by the favourable fecundity in the population in 2000 and 2004, as juveniles become sexually mature at the age of 3-5 years, and at that age they generally return to the breeding grounds for the first time. The lowest number of breeding pairs and poor breeding success in 2005 and 2006 was caused by late arrival of White Storks to the breeding grounds and by unfavourable weather conditions during the breeding period. The pattern of nests placement did not change generally during the last 12 years. The largest proportion of nests was positioned on various kinds of poles (81%) and on chimneys (18%). In total, 27 area surveyors and 239 assistants helped in census realisation.

> Key words: White Stork, Ciconia ciconia, breeding population, census,

Ključne besede: bela štorklja, Ciconia ciconia, gnezditvena populacija, cenzus,

1. Introduction

At irregular intervals, the White Stork Ciconia ciconia populations have been counted all over the world since 1934. There is no other bird for which statistics on its population trends exist for such a comparably

long period of time. Up till now, six international censuses of the White Stork breeding population have been carried out in the years 1934, 1958, 1974, 1984, 1994/1995 and 2004/2005. The data resulting from theses censuses provide an overview of the long term population trend of the White Stork in its overall

in available food resources. The variability of breeding success between years was explained by weather, specifically by the amount of rainfall in May and temperatures in June. The less the amount of rainfall in May and the higher the temperatures in June, the higher the breeding success. Moreover, weather effect

was significant only in the population in the traditional

breeding range, which is poorer in the terms of food

resources. Food was generally a more important

reproductive predictor than weather (DENAC 2006B).

In traditional breeding range with poorer food resources, ecological density influenced the Storks' breeding success. Pairs breeding alone and pairs with one neighbour within their home range most frequently reared three chicks, pairs with two neighbours reared two, whereas pairs with three or four neighbours most frequently failed to raise even a single chick. Intraspecific exploitation competition

was the cause for density-dependent breeding success

(Desert 2006a)

The trends in nest site selection - reduction of the number of nests in trees and on buildings and the increase of the number of nests on poles - are similar to the trends found elsewhere in Europe (Guziak & IAKUBIEC 1999, FULÍN 1999, LOVÁSZI 1999, RUBACHA & JERZAK 2006, TRYANOWSKI et al. 2009). In Slovenia, the trends were mainly caused by changes in architecture and by destruction of traditionally built houses with huge chimneys' platforms commonly used by White Storks. In addition, poles are the only suitable place for nests in the regions where Storks expanded recently.

Acknowledgements: In the first place, I wish to thank all the surveyors for their regular and systematic censusing of a large number of nests - they contributed the core data, and without them the census would not have been possible. They are: Danica Barovič, Dominik Bombek, Luka Božič, Franc Bračko, Katarina Denac, Gregor Domaniko, Dare Fekonja, Andrej Hudoklin, Matjaž Kerček, Dušan Klenovšek, Urška Koce, Janez Kolenko, Tatiana Koren, Branko Koren, Cvetka Marhold, Janez Maroŝa, Tomaż Mihelič, Bernarda Novak, Matjaž Premzl, Janez Senegačnik, lakob Smole, Želiko Šalamun, Borut Štumberger, Aleš Tomažič, Tadej Trstenjak.

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D. Denac: Population dynamics of the White Stork. Ciconia ciconia in Slovenia between 1999 and 2010

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All the surveyors, assistants and other people collaborated in the White Stork census as volunteers. The greater part of the censuses in the years 2000 (Velika Polana), 2003 (Tmovska vas) and 2004 (Pruj) was carried out within the scope of DOPPS - BirdLife Slovenia ornithological research camps for young ornithologists. Since 2004, the census in IBAs/SPAs s part of a National Monitoring Scheme of qualifying bird species and is supported by the Slovenian Ministry of the Environment and Spatial Planning, During the last 12 years, several endangered nests have been protected and saved by colleagues from the Institute of the Republic of Slovenia for Nature Conservation (ZRSVN), and therefore I dedicate the article to them, especially to Mr. lanko Urbanek,

Med letoma 1999 in 2010 smo na območju Slovenije opravili vsakoletni cenzus gnezditvene populacije bele štorklje Ciconia ciconia. Vse cenzuse smo izvedli składno z mednarodno metodo popisovanja. Jedro populacije bele štorklje je v SV in JV Sloveniji. Od leta 1999 do leta 2010 se je gnezditveno območje bele štorklie v Sloveniji iz tradicionalnih gnezdišč razširilo v SZ (Savska ravan) in JZ smeri (Notranjsko in Pivško podolje), bela štorklja pa je kolonizirala tudi del Dolenjskega podolja med osrednjo in JV Slovenijo. V popisnem obdobju je gnezdilo med 193 in 240 parov (HPa), v povprečju 209. Največje število parov je gnezdilo leta 2004, najmanjše leta 2005. Skupno v tem obdobju gnezdeći pari (HPa) zasedli 350 različnih gnezd. Povprečno število uspešnih parov - parov, ki so speljali mladiče (HPm) - je bilo 161. Največjo rodnost populacije (JZG) smo ugotovili v letu 2004, ko je poletelo 534 mladičev, najmanišo pa leta 2006, takrat je poletelo 219 mladičev. V povprečju je poletelo 414 mladičev letno. Povprečni gnezditveni uspeh gnezdečih parov (IZa) je bil 2.02. največii je bil leta 2000 (2,41), najmanjši leta 2006 (1,09). Povprečni gnezditveni uspeh uspešnih parov (JZm) je bil 2,57, naivečii je bil leta 2007 (2.94), naimaniši pa leta 2006 (2,07). Veliko število gnezdečih parov leta 2004 in 2008 lahko razložimo z dobro rodnostio v letih 2000 v tei starosti praviloma prvič vrnejo s prezimovališč na območja gnezdenja. Mesta gnezd se v zadnjih 12 letih v Vodenik, Jan Vodovník, Ivanka Voga, Ana Vogrinčič, Janez glavnem niso spremenila. Največ gnezd (81 %) je bilo Voršič, Al Vrezec, Petra Vrh Vrezec, Davorin Vrhovnik, na različnih drogovih, večinoma električne napeljave,







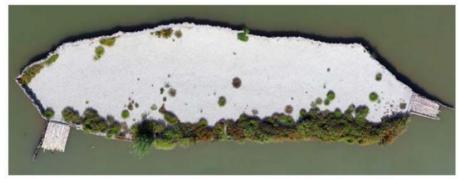
Lesson #2

- Good coordinator
- Clear communication
- Provide equipment, tools (maps, GPS, playback device...), good working conditions
- Prepare instructions
- Work/fun
- Organize events for volunteers (focus on fun, competition)
- Acknowledge, say thank you!
- Formal stuff legislation (Volunteer Law), ensurance ...









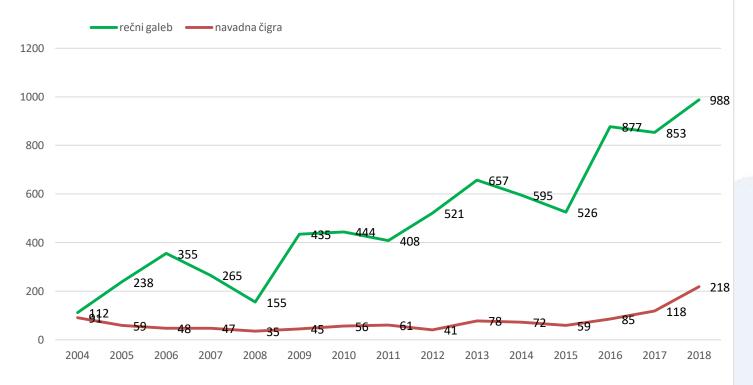








Common Tern & Black-headed Gull population at Lake Ptuj as result of cons. management with volunteers







1 bp (2006) to 28 bp (2019)













VOLUNTEERS

Volunteers vital to success of LIFE Nature and Biodiversity

Volunteers play a crucial role in the success of many LIFE Nature projects, supporting activities for the conservation of endangered habitats and species and raising awareness of the importance of conservation and the Natura 2000 network.

> Within the LPE programme, LPE Nature and Biodiversity projects in particular, have benefited from the ability of many nature conservation NGOs to leverage their networks of volunteers to minimise the costs of conservation works, nucleiv local society, and to help ensure projects' langer-term sustanubility.

> For instance, for the Lorraine Belge project (LIFE99 NAT/B/006295), the project beneficiary, Natagora - on NSO active in nature conservation in the French-and German-speaking parts of Belgium - mobilised large numbers of supporters to restore and subsequently manage very rare alkaline fers at four sites in Belgian Lorraine.

Traditionally, these wet areas were often used as hay meadows in Belgium. However, in recent decades the Lorname form, abandoned by flammers, have been sponteneously afforested by bush and sorub, or have been dramed and turned into plantations or nurseries. During the LIFE project, volunteers helped remove bush and scrub overgreath from abandoned hay meadows to creable their function to be restored. After LIFE, Natagona's Lorname district team of volunteers has continued to manage the restored sites. The work involves regular cutting of willow and cyclic moving of the westland.

A main conclusion of a 2015 follow up visit carried out by the LIFE programme external monitoring team

Valunteers make a cruckal contribution to the success of many LFT projects



(NEEMO EEIG) was that the habitats are "well developed due to the implementation of the LIFE measures, but also to the recurrent management carried out by the NSO (including volunteer work)."

The local volunteers have also continued communicating the value of this work to the public, through guided tours, nature management open days, an educational programme for schools and other activities.

La Mancha wetlands

in Spain, the angoing project HUMEDALES DE LA MAN-DNA (LIFE10 NAT/ES/000563) is another example of the deployment of significant numbers of volunteers to carry out labour intensive and otherwise costly works. The 2011-2016 project is being coordinated by Fundación Global Nature, a private, non-profit educational organisation established in 1993. As a foundation, a large proportion of its projects enlist volunteer workers, especially students. The foundation undertakes activities all over Spain, including the location of this project, the Humedales de la Mancha wetlands in Castilla-la Mancha. The wetlands are surrounded by Mediterranean forest, grasslands and agricultural lands with the latter llands for cereals, vineyards and alive trees pasing the greatest negative impacts on the groundwater/wetland conservation.

Much of the project work is focused on recovery and extension of "buffer zones" between the especially sensitive wet areas and the agricultural lands. Volunteers are mainly needed during the summertime, when the land is dry — with students and other amateur conservationists able to assist with tapks such as dismantling of drainage ditches and debris clearance for recovery of landscape and water levels, as well as livith guidance from experts! sowing seeds by hand within the target wetland habitats.

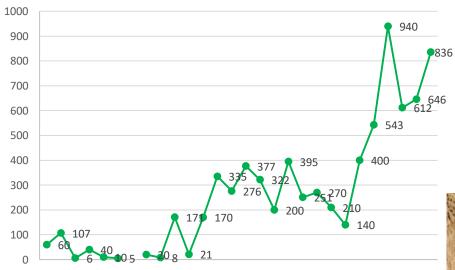








Sand Martin, breeding pairs, Drava



1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015

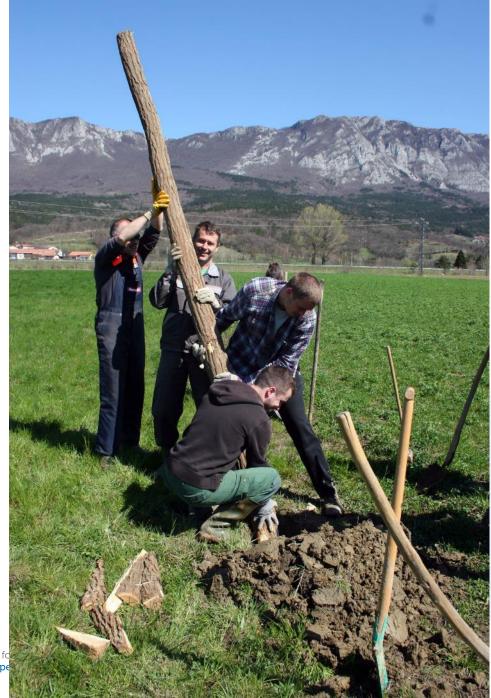
Uferschwalbe

























Partnership for nature and people











Partnership fo



Lesson #3

- Diversify "offer" (assess skils and match to job)
- Identify with the mission has right to know it!
- Enable hands-on conservation
- Believe in the work you want volunteers to do
- Always have clear job descriptions
- What is refundable?
- Provide possibility to "see the conservation results" organize excursion to the site, lecture



Conclusion

- Investment (training for staff and vol., guidance, preparation)
- Long term (building capacity)
- Enlarge capacity of organisation, new knowledge and skills (profiles that you "cannot afford")
- Spread the message (experience is best advertisment)





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