

DANUBE parksCONNECTED

WP 4 DANUBE FREE SKY



Photo: Wolfgang Nerb/LBV

WP4 DANUBE FREE SKY

4.1 Free Sky Learning Process

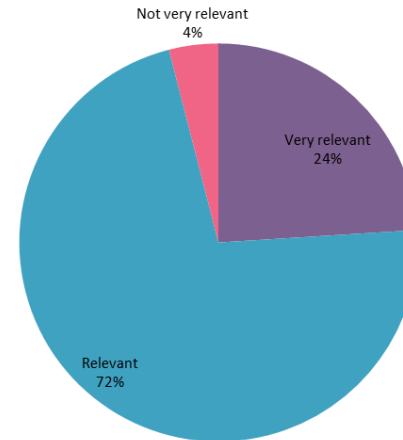
4.2 Danube Free Sky Position Paper

4.3 Implementing Danube Free Sky

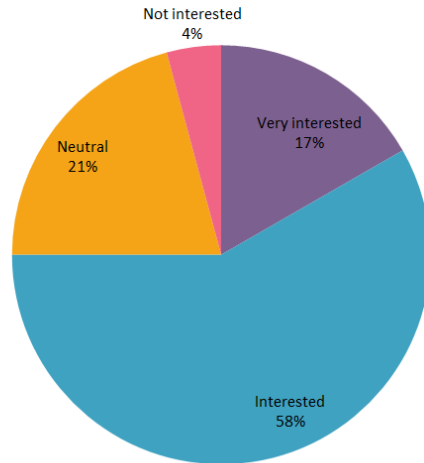
4.4 Danube Free Sky Strategy

Step 1	Collection of literature: As agreed, we all start collecting literature on national level. Please try to find out whether there are some important publications available in your country.	All partners 
Step 2	Task Group Danube Free Sky: A Task Group has been defined (at the workshop in Wachau) for WP4, including the following protected areas and experts. Main strategic work will be done by these partners, before shared with the whole team at the bigger meetings .	DDBRA (including external expert) NPDA (including external expert) Rusenski lom BROZ Col 
Step 3	Questionnaire: A questionnaire has been prepared by DDBRA and NPDA. This questionnaire will be provided to each Protected Area as an online tool. It takes approx. 30-45 minutes to fill it in. Thank you for your submission until 31 st May! http://www.surveymogizmo.com/s3/3549939/Questionnaire-DANUBE-FREE-SKY	All partners 
Step 4	National Meetings power line operators & Protected Areas: from many countries we received already very positive signals from the first meetings: some countries are close to come up with first pilot actions!!! Try to get in contact in May/June. Bring your experiences with you to the upcoming meeting (see step 5). Short report by each partner to be done by the questionnaire (Step3)	Partners in each Danube country 
Step 5	Workshop WP4 on 29 th June, Kopacki rit: presentation of the results of the questionnaire/first discussion to work on the DANUBE PARKS Position Paper/Strategy on powerlines and bird conservation	main coordination: external experts from Danube Delta Institute and BirdLife Austria 
Step 6	DANUBE PARKS Position Paper: Intense work by Danube Delta Institute and BirdLife Austria (with support by DDBRA, NPDA and the Task Group and all partners) on this strategic document	DDBRA, NPDA (and their external experts) Task Group WP4 All partners
Step 7	Workshop and Conference (Budapest, Oct/Nov. 2017): participation at the conference organized by Mavir (Hungarian powerline operator): presentation of Danube Free Sky (still to be confirmed by Mavir) and workshop (as side event) to further develop our strategic document and to boost implementation of pilot actions	Task Group (personal or via skype) (optional: all partners=)
Step 8	Conference Spring/summer 2018 by APG, Austria: participation at the conference organized by Austrian Power Grid by Task Group, presentation of our process (already confirmed by Austrian Power Grid); internal workshop (as side event) to finalize our Strategic Document and to boost the implementation of pilot actions	Task Group (personal or via skype) (optional: all partners)
Step 9	Implementation of Pilot Actions: parallel to this process, we intensify the contact with powerline operators on national level and try to find solutions, we promote technical pilot actions and arrange long-term agreements for each country and Danube-wide	Partners in each Danube country
Step 10	Cross-sector Conference (2019, Tulcea/Romania): Final conference of WP4, presentation of all results including strategic position paper, MoC with powerline operators	All partners

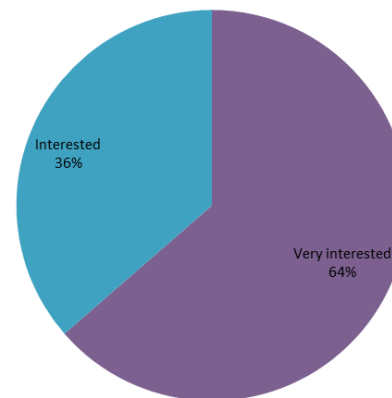
How relevant, do you think, is bird collision at powerlines in and close to your protected area?



How interested are the powerline operators in your country in a closer cooperation?



How interested are you in a follow-up project on the field of bird conservation & powerlines? (Please explain further in the text box)



WP4 Free Sky

Step 5 (RoadMap)

REMO PROBST, BirdLife AUSTRIA

Intro statements

1. Reinforcement electrification
2. Clean energy dispersion, but also
3. Risks for birds through (e.g. Ferrer & Janss 1999, Haas & Schürenberg 2008) →
 4. Electrocutation
 5. Collision
6. Habitat degradation (e.g. alteration predation risk, alteration concurrence ratio, avoidance etc.)



As we don't want to see such accidents and safe our bird populations ...

Intro statements

... we agreed to work against negative effects of power lines along the Danube!

STEP 1: Mark High-voltage power lines to prevent collision along the Danube (→ this project)

STEP 2: DANUBEPARKS Position Paper as a strategic document on this topic (→ this project)

[STEP 3: Implementation of Step 2 → future projects]

Ad STEP 1

1. Protection options: balls, fireflies, lamellae → black + fluorescing + 30 m + offset → visual aids
2. Number and location of [High-voltage] powerlines → Map by NP Donau-Auen → GIS data operators →
3. Responsibilities & Deadlines → **this WS!**

Example Austria:

- (a) Responsible negotiator: BirdLife Austria
- (b) Number operators: 4, but Austrian Power Grid AG as “umbrella association”
- (c) 36 crossings → GIS-shapes to NP Donau-Auen
- (d) Technical solution: lamellae
- (e) Costs: ≈ € 200.000
- (f) Finalization: 2018



STEP 1: → Sharing of tasks & deadlines

Ad STEP 2: Position paper

1. Frameworks 1: EU
2. Frameworks 2: Boundaries
3. Agreement: Electrocutation AND Collision
4. Methods Prioritisation Electrocutation → **this WS!**
5. Methods Prioritisation Collision → **this WS!**
6. Statement on power lines in process of planning → **this WS!**

Ad STEP 2: Electrocution

Proposal: Electrocution Risk X Worthiness of Protection

1. Electrocution: Criteria set by BirdLife Austria (e.g. construction insulator), in case of uncertainty transmission photo
2. Worthiness of Protection Criteria → **this WS!**: NATURA 2000 (equivalent Serbia), national and international concentration of waterfowl, others ??

Ad STEP 2: Proposal Electrocution

Prioritisation Conservation Measures		Worthiness of Protection		
		High	Medium	Low
Risk of Electrocution	High	Very High	High	Situation-dependent
	Medium	Situation-dependent	Situation-dependent	Low
	Low	Situation-dependent	Low	Low

Ad STEP 2: Proposal Collision and planned power lines

- 1. Collision:** Worthiness of Protection Criteria Only → **this WS!**: NATURA 2000, national and international concentration of waterfowl, RAMSAR, others ??
- 2. Planned Power Lines:** (a) Worthiness of Protection Criteria → **this WS!** & (b) Recommendations for construction → Basis for discussion by BirdLife Austria (in cooperation with NABU Germany), every input highly welcome!

Thanx for your attention!

