



State Institute for
Nature Protection

European Breeding Bird Atlas 2 - Situation in Croatia

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SINP – State Institute for Nature Protection

- central Croatian gov. institute dealing with expert tasks of nature conservation
- Responsibilities: coordination of species inventarization, monitoring, conservation status assesment, action plans...

Croatian „bird-people”:

- Institute of Ornithology – scientific institution
- >5 NGO's dedicated to birds
- 30-60 people (10 proffesionals)



Croatian birds

- 399 bird species, 275 regularly occurring species
- **227 regularly occurring breeding species**
- **Inventarisation:** „Atlas of breeding birds 1983-1986” – not – published and not – accesible; results presented in EBCC Atlas of European Breeding Birds.
- **Monitoring:** 100 wintering species and 50 breeding species (rare and colonial)
- **Natura 2000 proposal** –draft proposal in 2012 – 77 species (BD Ann1), 38 SPA / 29,64% of the Croatia (30,06% land, 3,31% sea) (26146,57 km²)
- **New Red Data Book (2013)** – 81 threatened bird species



New Biodiversity Inventory and Mapping – NIP Project

- Loan from the International Bank for Reconstruction and Development (IBRD) to implement the Croatia EU Natura 2000 Integration Project (NIP).
- one of the NIP Component - Biodiversity Inventory and Mapping
- Project activities designed by the SINP in cooperation with the Project Implementation Unit (PIU) and Croatian Ministry of Environmental and Nature Protection.



- **Phase 1: gathering all published (and unpublished) data about birds in Croatia – late spring 2013**
- **Phase 2: Field inventory and mapping (winter 2013/14 – winter 2015/16)**
- Purpose of planned ornithological field research - gather new **distributional data** on species of the regularly occurring breeding bird species with poor or moderate knowledge about breeding population size and breeding distribution range (mostly common bird species).



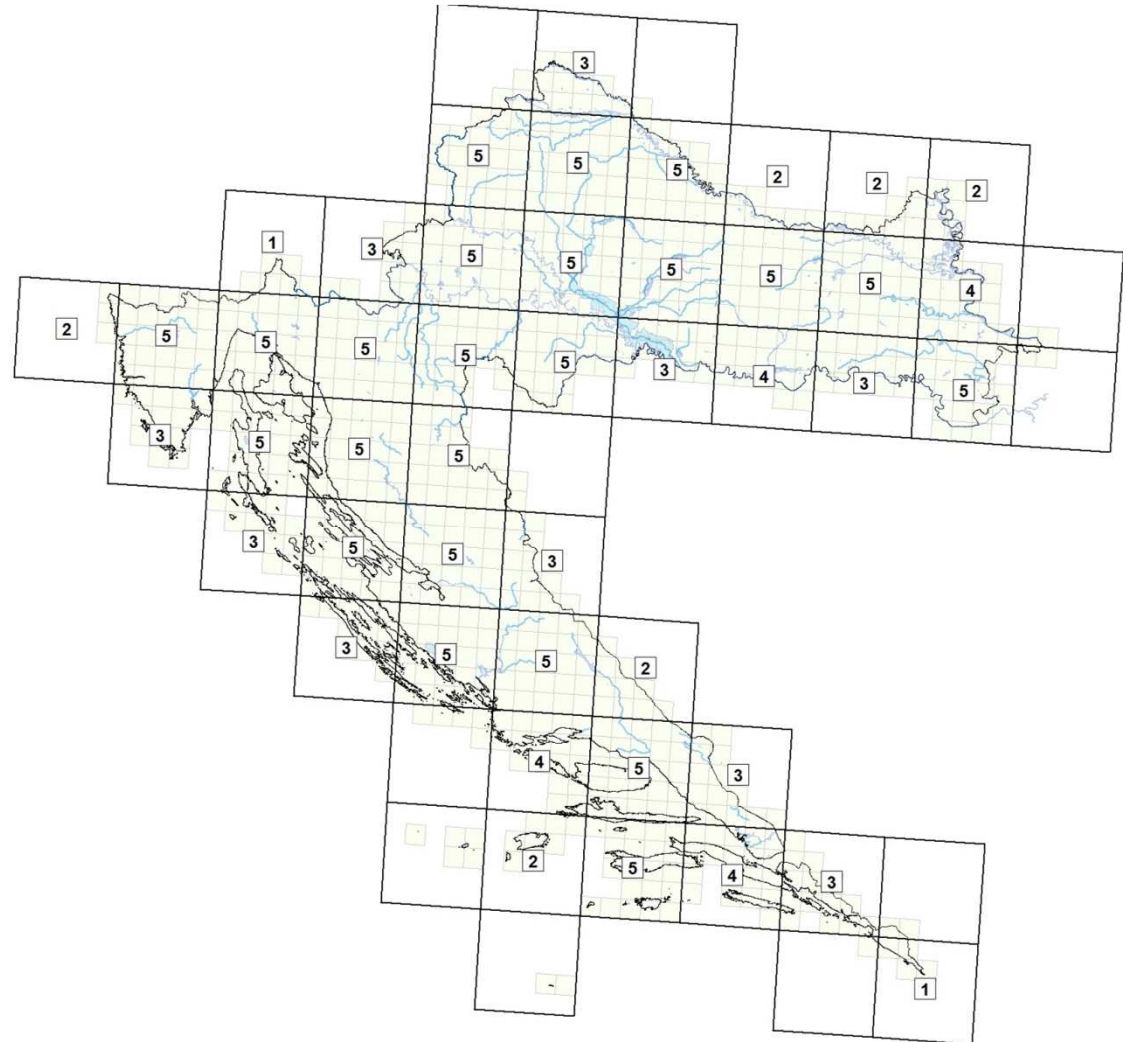
SINP defined **means** of bird inventory within NIP project:

EBBC Guidelines:

- *EBBA2 Preliminary guidelines for data collection at the national level*
 - *“Methodology of a new breeding bird atlas for Italy 2010-2014”*
 - *“Methodology of a breeding bird atlas for Catalunya 2004”*.
- specific field methodology was not proposed – it will depend on expert-team that will apply for tender (expected to be announced within month or two).



Goal:
field research on at least
20% (**175** out of 827 in
Croatia) 10x10 km square
grid cells
during 2 breeding season,
distributed in **45** (out of 55)
50x50 km grid cells.
-border cells





Research on 10x10 km grid cells:

- must encompass as much different habitats as possible, and distributed to provide representative sample
- all habitats must be surveyed
- sampling methodology must detect the maximum amount of evidence of breeding for all the species present

Result:

list of all breeding species (as complete as possible) per each 10x10 km grid cell surveyed

and

an approximate and intuitive estimate of the **total number of pairs per species**



- The assignment time period is expected to be approximately three (3) years. Field work can be implemented in two (2) bird breeding seasons (2014., 2015.).
- The number of 10x10 square grid cells was calculated according the expecting number of field ornithologist that we have today in Croatia (25-30 people) and expected field days that they can devote to this project.



- All the field records will be entered into the CRO Fauna database or structured electronic format aligned with the database structure (the database is not yet functional but is expected to be until the end of 2013.)
- Challenge: the use of gathered data for EBBA 2



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Thank you!

