





The situation of the Aquatic Warbler in Germany and NW Poland

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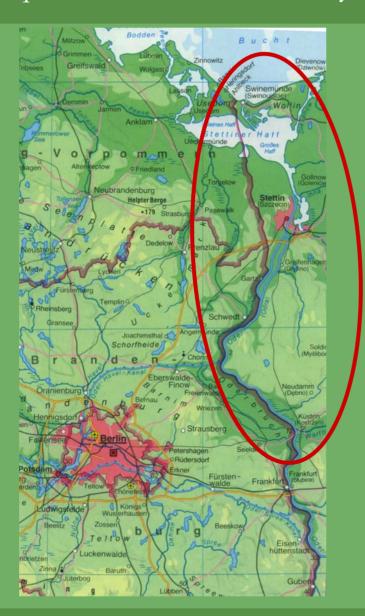
Contents

- The past situation
- The current situation
- Why preserve the West-Pomeranian population?
- Current research





The currently westernmost breeding sites of the AW



SUGGESTION: To call the NE German/NW Polish population the 'West-Pomeranian population' as currently most birds breed in the Polish voivodship Zachodniopomorskie = Western Pomerania





The past situation



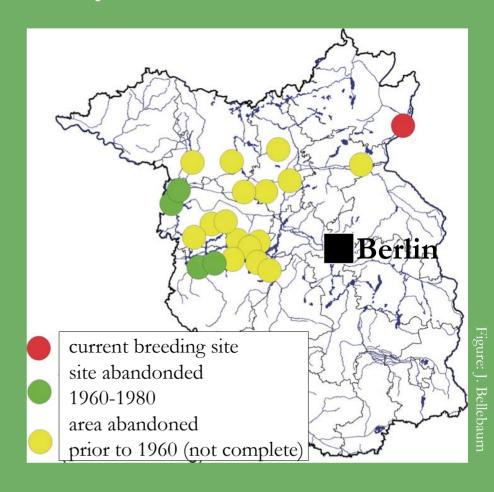




Germany

"What in particular distinguishes the Aquatic Warbler is its commonness... it occurs all over the vast fen mires..." (after Hesse 1910)

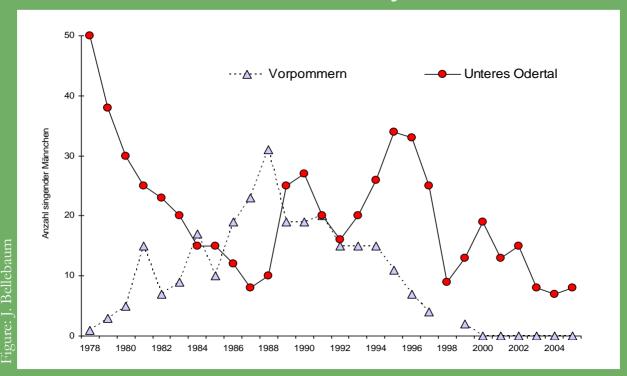
Brandenburg around 1900: min. 10,000 sM!







Germany



Since 1999 there is only one isolated breeding site in the polders of the Odra river



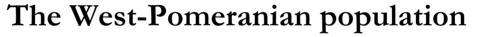


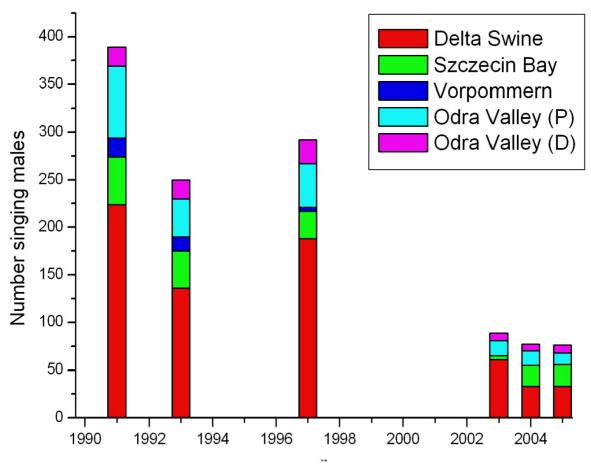
NW Poland

- At least 19 breeding sites in the early 1990's
- Currently only 6 breeding sites









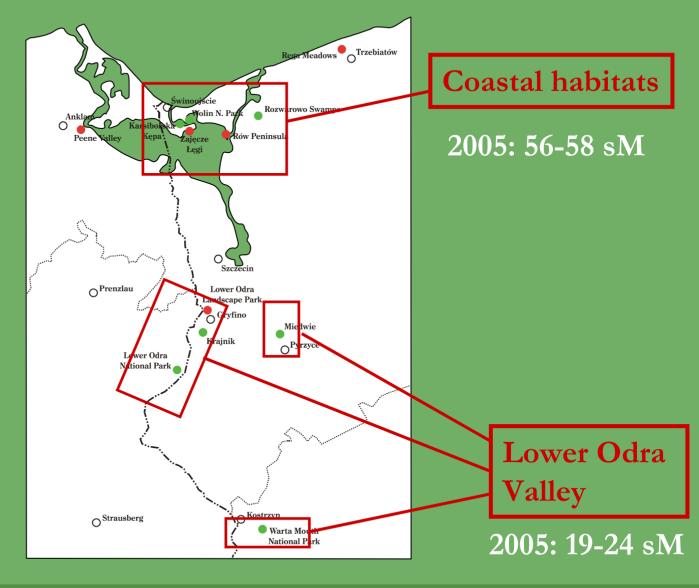




The current situation



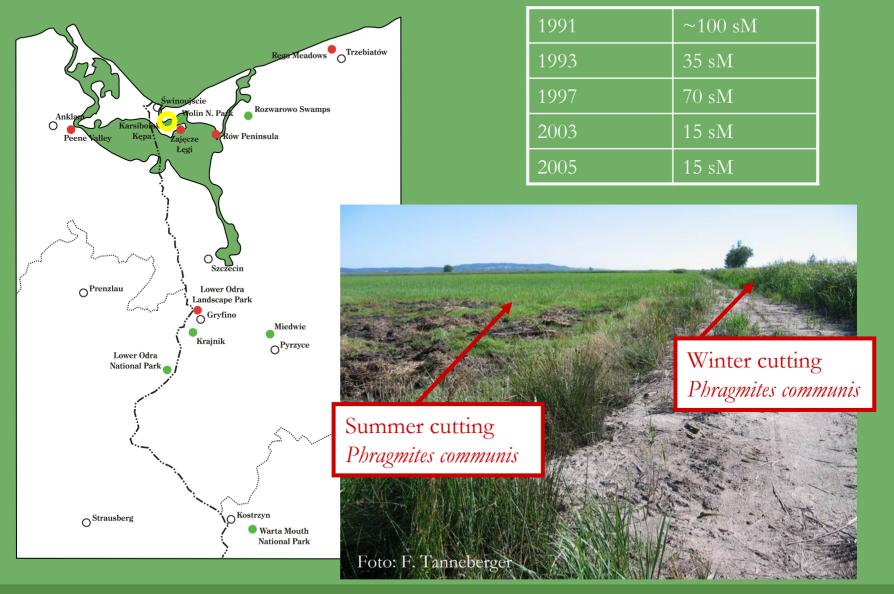




The current situation

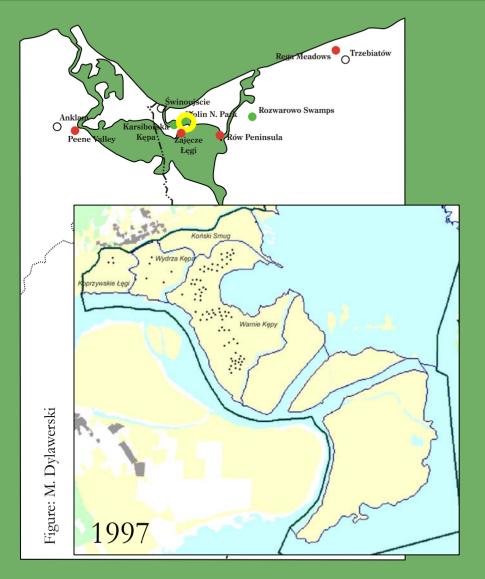












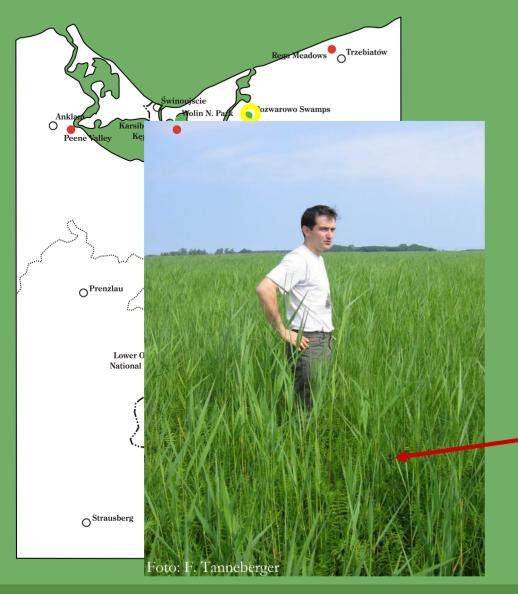
1991	52 sM
1993	65 sM
1997	83 sM
2003	45 sM
2005	18 sM



The current situation: Wolinski PN





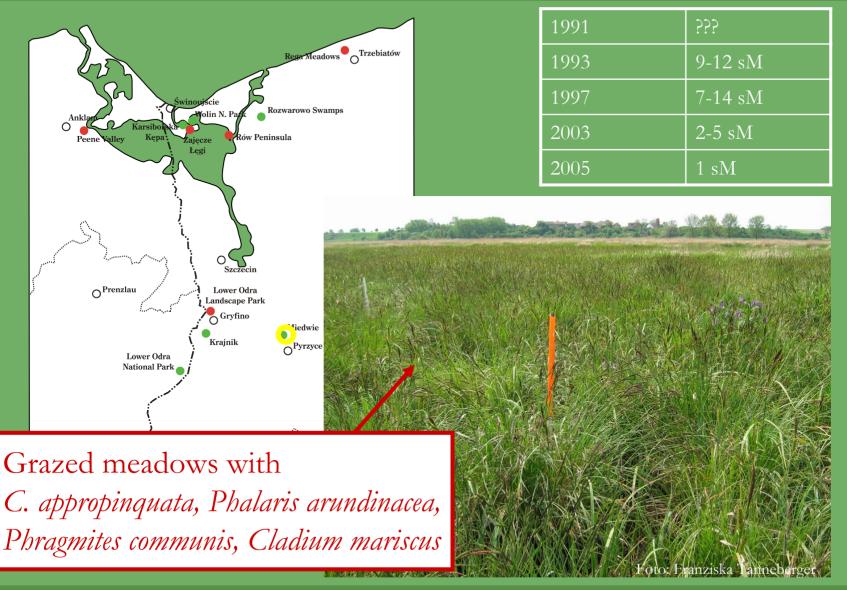


1991	60 sM
1993	37 sM
1997	28 sM
2003	4 sM
2005	23 sM

Sparse, low winter cutting *Phragmites* communis with *Thelypteris palustris*







The current situation: Miedwie

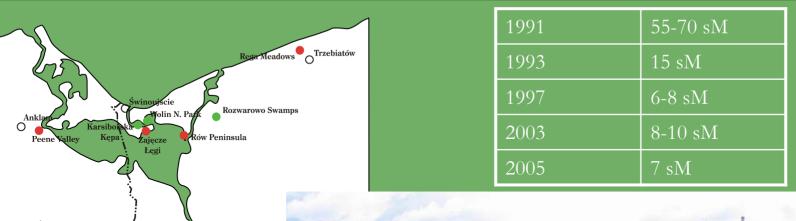


OPrenzlau

Lower Odra National Park

Aquatic Warbler in Germany and NW Poland







Mown/burnt meadow with Calamagrostis canescens, Carex gracilis, C. riparia, Phalaris arundinacea

Lower Odra Landscape Park Gryfino

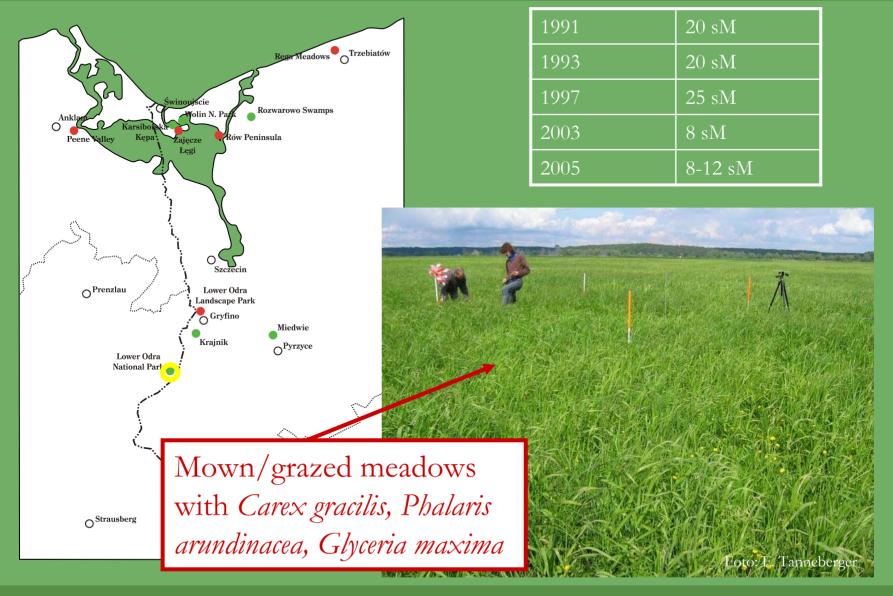
Krainik

Miedwie

The current situation: Krajnik

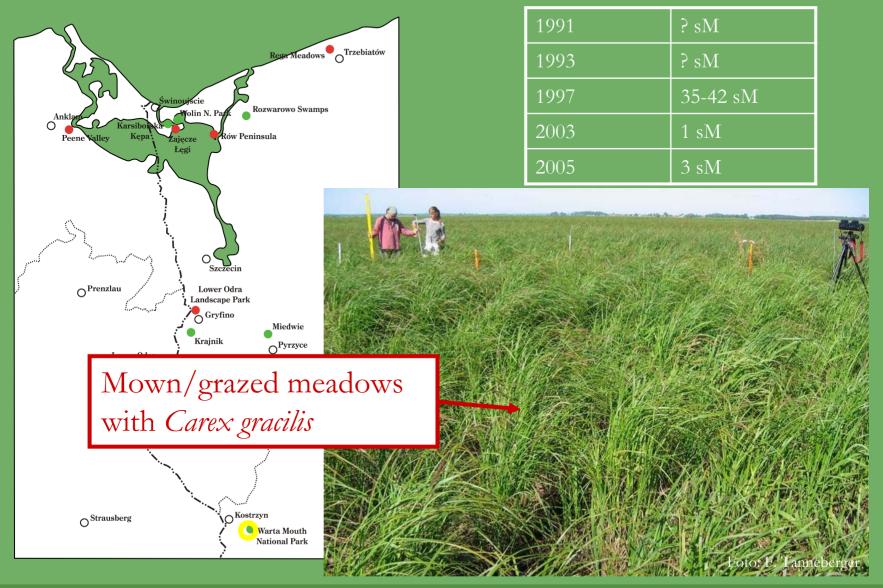


















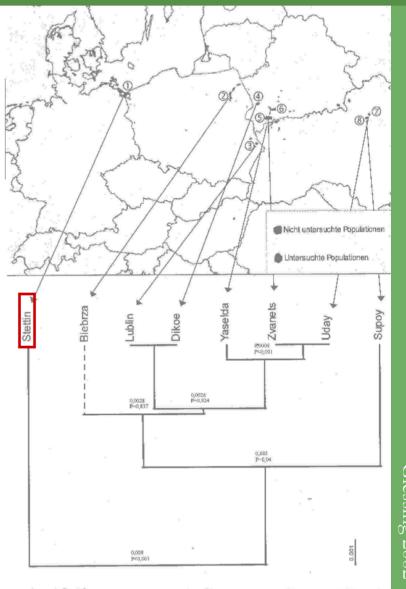
Why preserve the West-Pomeranian population?





The German/North-West Polish population is genetically separate from all other studied Aquatic Warbler populations (Giessing 2002).

... also from the Lithuanian!

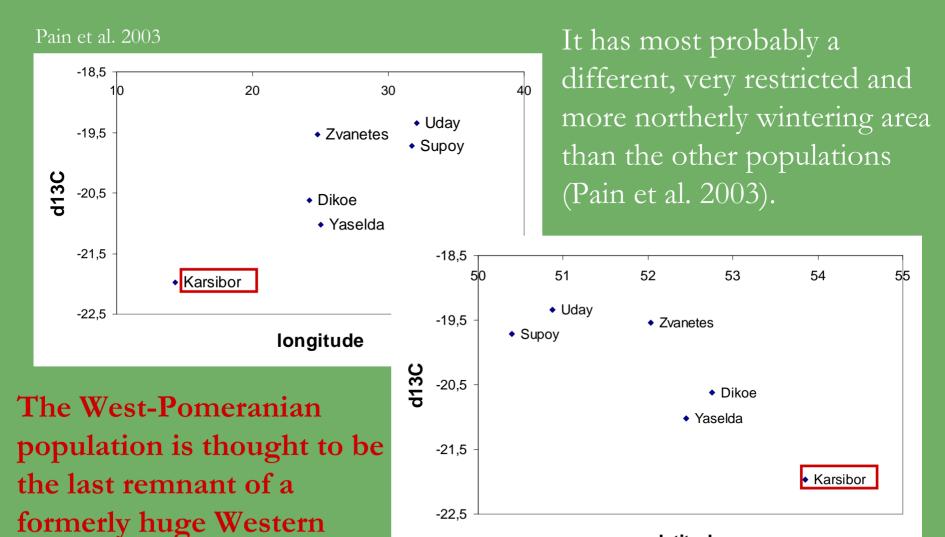




population.

Aquatic Warbler in Germany and NW Poland





latitude





Current research





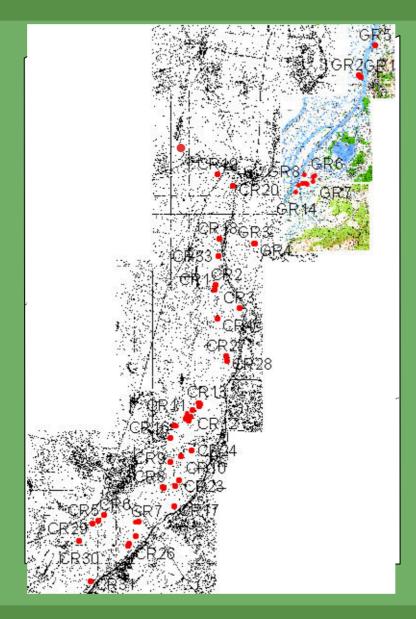


PhD study on habitat requirements

- Started in 2004
- 100 permanent plots in 7 study areas
- Classes: currently used (A) recently abandoned (B) potentially suitable (C)
- Habitat parameters: vegetation structure, plant communities, trophic level, soil stratigraphy, soil and water quality, water level, hydrological regime, land use, diet and food availability













Current research







Diet and food availability





May-July 2005: dipnetting, Barber traps, eclectors

June 2005: 10 nests *A. schoenobaenus* and 5 nests *E. schoeniclus:* Neck collar samples (292) and faeces (415)

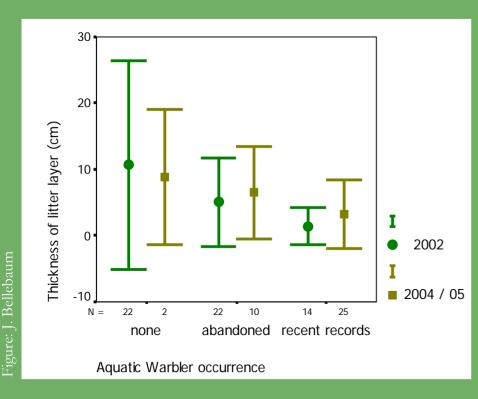


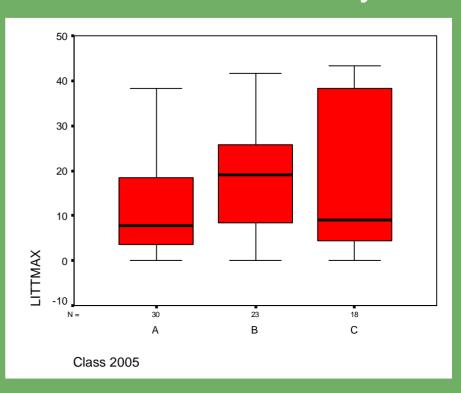
Current research





Initial results: Thickness of litter layer





German Odra Valley (2002 and 2004/2005)

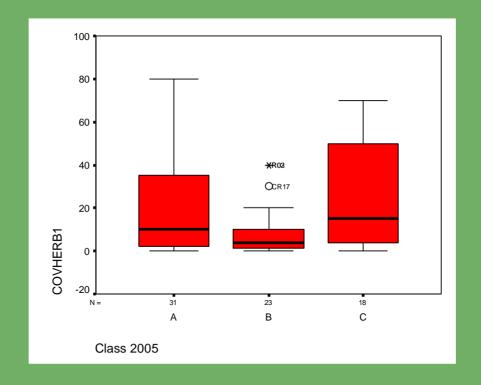
Western Pomerania (Early May 2005)

Current research





Initial results: Cover of herb layer

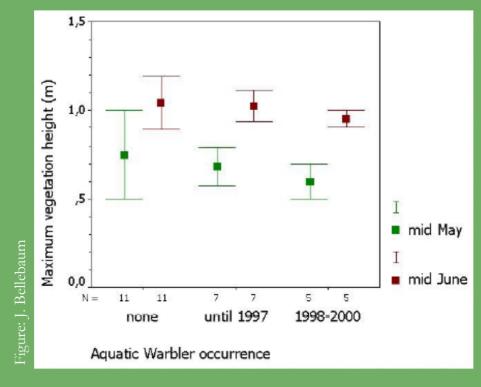


Western Pomerania (Early May 2005)





Initial results: Vegetation height



German Odra Valley (1998 - 2002)







Threats in breeding habitats

Cessation of mowing/
grazing due to low economic
attractiveness or designation
as strict nature reserve:

- → Litter layer too high
- → Vegetation too high







Thanks to all persons involved in Aquatic Warbler conservation in Western Pomerania, especially P. Jablonski, M. Dylawerski, G. Kiljan, B. Migdalska, R. Czeraszkiewicz, M. Maniakowski, S. Guentzel, M. Kalisinski, J. Sadlik, H.-J. Haferland, M. Bolz, A. Helmecke, J. Bellebaum, J. Kube, A. Pataki, D. Sellin, M. Flade, M. Bartosziewicz, and K. Wypychowski

