

# PECBMS 10 years on: past, present & future

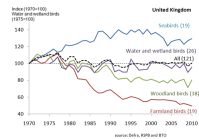
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On behalf of PECBMS coordination team



## Important moments prior PECBMS start



### Wild bird populations in the UK



Bird Study (2011) 48, 209-213

Indexing European bird population trends using results of national monitoring schemes: a trial of a new method

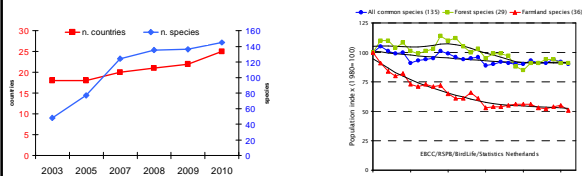
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## PECBMS relies on enthusiastic people



## Production of species population trends and indices and multispecies indices (indicators)



So far, only common species

Main approach, species indices & multi-species index remains the same since 2002

Species classification procedure, after initial modifications, kept the same

## Production of species population trends and indices and multi-species indices (indicators)

Software tools



Computation national indices



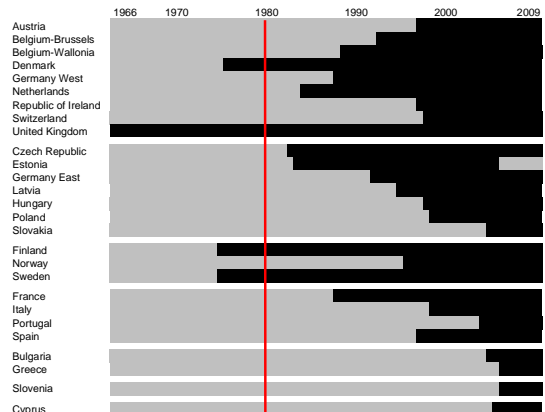
Data quality control  
Some 5000 TRIM output files checked every year

Production of species population trends and indices and multi-species indices (indicators)

Updating the European trends and indices takes one year

*More technological development?*  
*More communication?*

### Contributing countries and their time series



### How reliable is the index in early years?

Trends from other data sets as yardstick?

Trends from Birds in Europe 1 and 2



Trends in broad categories (moderate increase, large decline, fluctuating, ...)

PECBMS trends

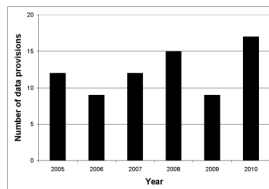


Trends in numeric values (slopes) + standard errors, converted into broad categories (moderate increase, steep decline, uncertain, ...)

### Match/mismatch in PECBMS vs. BiE2 trends – preliminary results

- Farmland species appear to match better
- PECBMS increasingly able providing precise and representative trends
- Patchy geographical coverage in early years (1990-2000) does not seem to cause bias
- Magnitude of change still can be discussed
- Further work needed

### Use of results – policy & public awareness



*Many versions of indicators, confusing messages?*  
*Do we know whether the outputs really make a difference?*



**CBD10th meeting of the Conference of the Parties, Nagoya, Japan, October 2010**

A vision of the world "*Living in harmony with nature*"

Where "*By 2050, biodiversity is valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people.*"

**Strategic Plan for Biodiversity 2011-2020 and the Aichi Targets**  
*"Living in Harmony with Nature"*

The Strategic Plan for Biodiversity 2011-2020 – A ten-year framework for action by all countries and stakeholders to save biodiversity and enhance its benefits for people.

Strategic Plan includes 20 headline Aichi targets for 2020

A set of around 100 indicators

**The EU Biodiversity Strategy for 2020**

nature  
environment

EUROPEAN COMMISSION

**Use of results – research**

12 papers with active contribution from PECBMS core team (32 citations/paper) (June 2011)

Data provision and co-authorship policies since 2009

Data requests from researchers increasing in numbers

*More research needed*

**Communication**

Improve the web site? How?  
 Is the name of the programme good enough for proper promotion and communication?  
 Any need to use more modern communication tools such as social networks?

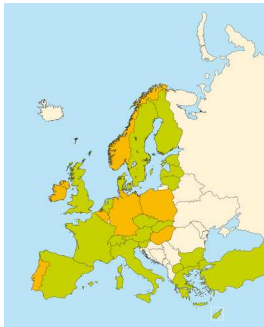
**Development of national/regional monitoring schemes**

23 countries (out of EU 24) some funding from governments

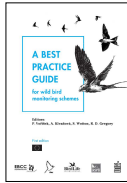
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## Development of national/regional monitoring schemes



23 countries (out of EU 24) some funding from governments



## Project management, funding

Funding applications & reporting take time

Proper plan necessary – new long-term plan under preparation

Allow for unexpected things

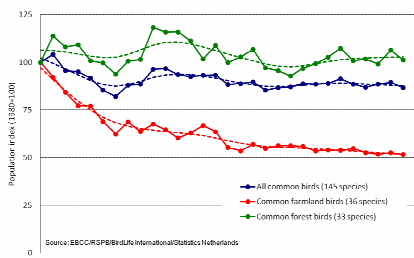


**No funding confirmed after June 2012**

**Do we want PECBMS develop further?**

## PECBMS 10 years on and 10 years further

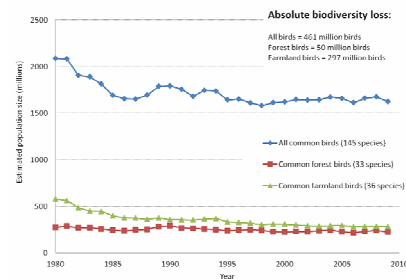
### Population trends of common birds well documented European Wild Bird Index



Source: EBCC/RSPB/BirdLife/International Statistical Netherlands  
Structural & Sustainable Development Indicator in EU/Europe. Adopted by 20+ governments to assess sustainable development strategies, measure environmental health & progress towards national/regional/global biodiversity targets

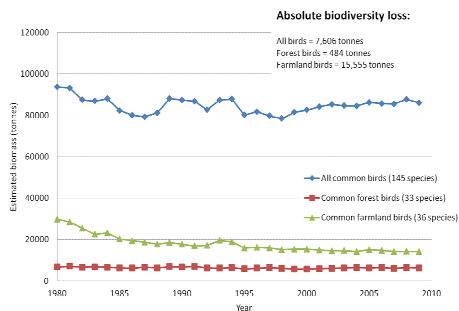
## PECBMS 10 years on and 10 years further

### Abundance of European birds



## PECBMS 10 years on and 10 years further

### Biomass of European birds



## PECBMS 10 years on and 10 years further

PECBMS outputs widely available and used.

**Is it enough? Do we know whether they make a difference?**

**Should users of our results be more involved in planning process?**

Ongoing improvements in data quality and quantity.

**What else is needed?**

**What directions to take in further development, if any?**

### Acknowledgements

