



Purpose of workshop

- Networking
 - This is the first gathering of national monitoring coordinators under EGMP
- Understanding of EGMP monitoring needs, protocols and annual wheel
- Compile overview of ongoing national monitoring activity
- Identify knowledge gaps and data dataflow issues
- Discuss how we can jointly improve the monitoring and dataflow

		Specialist Group	
	13.40-18:30	How are counts performed in each range state;	
		timing, coverage, protocol, compilation and	
	Coffee break at	other monitoring activities? ~20 min. from each	
	15.00	range state (in alphabetic order)	
	19.00	Dinner	
23. Nov.	07.00-09.00	Breakfast	
	09.00-10.15	Demographic information and modelling	
		Monitoring & Decision Making in Adaptive	Fred Johnson
		Management	
		Use of tagging to estimate population size and	Andreas Lindén,
		detect bias in monitoring	Tuomas Seimola &
			Fred Johnson
		Ringing/Mark-recapture/Survival	Morten Frederiksen
	10.15-10.30	Coffee break	
	10.30-11.15	Pitfalls when assessing age ratio	Kees Koffijberg
		Addressing Inferential Discrepancies in	Fred Johnson
		Monitoring Data Using IPMs	
	11.15-12.15	Discussion:	Introductory talk
		Knowledge gaps and information needs, how	and moderator:
		can we best improve goose monitoring in the	Tony Fox
		future?	
	12.15-13.15	Lunch	
	13.15-14.20	Break out groups; to discuss knowledge gaps	Break out groups
		and needs for improvement of monitoring and	
		data flow at population levels	
		Greenland Barnacle Goose (moderator: Tony Fav)	
		Tony Fox)	
		Russian Barnacle Goose (Kees Koffijberg)/Greylag Goose (Jesper	
		Madsen)(Pink-footed Goose)/Taiga	
		Bean Goose (Fred Johnson)	
	14.30-17.00	Trip to Kalvebod Fælled	Jesper Madsen
	14.50-17.00	(https://fuglepaakalvebodfaelled.dk/)	Jespei Mauseii
	17.00-19.00	Wrapping up	Rapporteurs for
	17.00-13.00	3. Reports from break out groups	each population
	Incl. coffee	4. How can we ease the process from data	
	mei. cojjee	How can we ease the process from data	











Presenter: Jesper Madsen, EGMP Data Centre/Aarhus University





AEWA provisions underpinning EGMP

Article II.1: "Parties shall take co-ordinated measures to maintain migratory waterbird species in a favourable conservation status or to restore them to such a status. (...)"

Article III.2(b): "Ensure that any use of migratory waterbirds is based on an assessment of the best available knowledge of their ecology and is sustainable for the species as well as for the ecological systems that support them"







AEWA provisions underpinning EGMP (2)

AEWA Action Plan, para 2.2.1: "Parties shall cooperate with a view to developing and implementing international single species action plans for populations listed in Category 1 of Column A of Table 1 as a priority and for those populations listed with an asterisk in Column A of Table 1"

AEWA Action Plan, para 4.3.4: "Parties shall cooperate with a view to developing single species management plans for populations which cause significant damage (...)"







Tangible Adaptive Harvest Management Targets



"Adaptive harvest management of quarry populations is ensured at international level."

Indicator

"International harvest management plans for two quarry populations are developed and implemented"





AEWA Strategic Plan 2009 - 2017

Agreement on the Conservation of African-Eurasian Migratory Waterbirds (AEWA



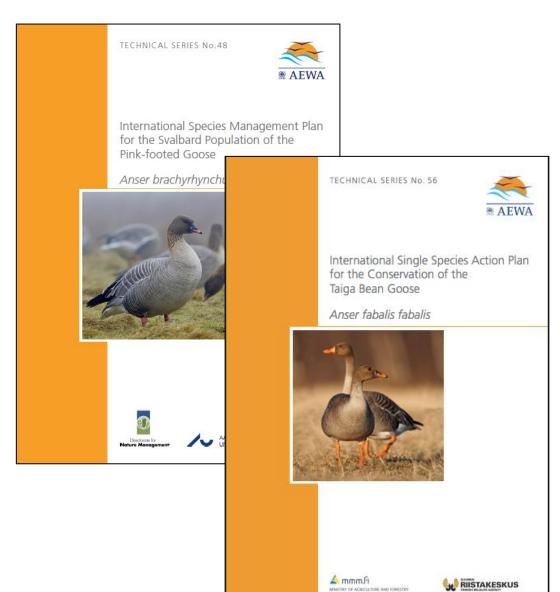


From Targets to Planning

In 2012 (MOP5) the International Single Species Management Plan for the Svalbard Population of the Pink-footed Goose was adopted

Followed in 2015 (MOP6) by the **International Single Species Action Plan** for the **Taiga Bean Goose**

MOP6 also asked for the development of management plans for the Barnacle Goose and the Greylag Goose, implemented in 2018







Direct EGMP mandate by MOP6 (2015)

Resolution 6.4: "Requests the Secretariat to facilitate, funding permitting, the establishment of a European multispecies goose management platform and process to address sustainable use of goose populations and to provide for the resolution of human-goose conflict"





European Goose Management Platform Need & Justification

- Goose-human conflicts and ecosystem impacts continue and are becoming more acute and complex
- Geese hold societal value (birdwatching, hunting, ecosystem services)
- Svalbard Pink-footed and Taiga Bean Goose plans were in place and two more were in the pipeline
- For populations, such as Taiga Bean Goose, adaptive harvest management is required by their listings on AEWA
- Lack of coordinated approach to data collation and processing (population size, harvest, derogation shooting)







European Goose Management Platform Need & Justification

- Some huntable populations have unfavorable conservation status
- Local or national approach would bring no tangible solutions
- Requires structured flyway-scale decision-making process
- A goose management platform can serve as a model for sustainable practicing of waterbird harvest in general







Paris Declaration

Confirmation of commitment and agreement on modalities

The **EGMP** was established at the Paris negotiation meeting in May 2016.













AEWA European Goose Management Platform

22-24 November 2023 EGMP Monitoring Workshop

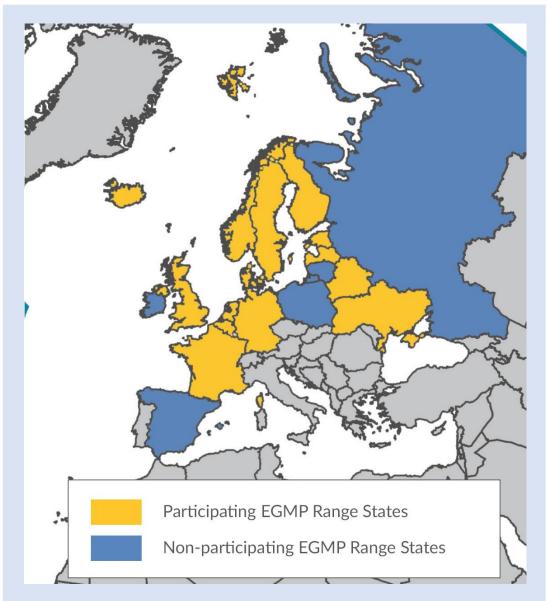




16 participating Range States + EU

- Belarus
- Belgium
- Denmark
- Estonia
- **EU**
- Finland
- France
- Germany
- Iceland
- Ireland

- Latvia
- Lithuania
- Netherlands
- Norway
- Poland
- Russia
- Spain
- Sweden
- UK
- Ukraine







Organisational Structure of the EGMP







International Single Species <u>Management Plan</u> for the Svalbard Population of the Pink-footed Goose

In 2013 the first trial of an **adaptive harvest** management plan of a migratory population in Europe was launched.





TECHNICAL SERIES No.48



International Species Management Plan for the Svalbard Population of the Pink-footed Goose

Anser brachyrhynchus











International Single Species <u>Action Plan</u> for the Conservation of the Taiga Bean Goose

ISSAP adopted at AEWA MOP6 in 2015

- The key objective of this Action Plan is to ensure the <u>recovery</u> of the population.
- An adaptive management program was developed in 2016.

 This marked the first time an international consensus on how to reduce hunting to enable a species to recover was reached.



TECHNICAL SERIES No. 56



International Single Species Action Plan for the Conservation of the Taiga Bean Goose

Anser fabalis fabalis



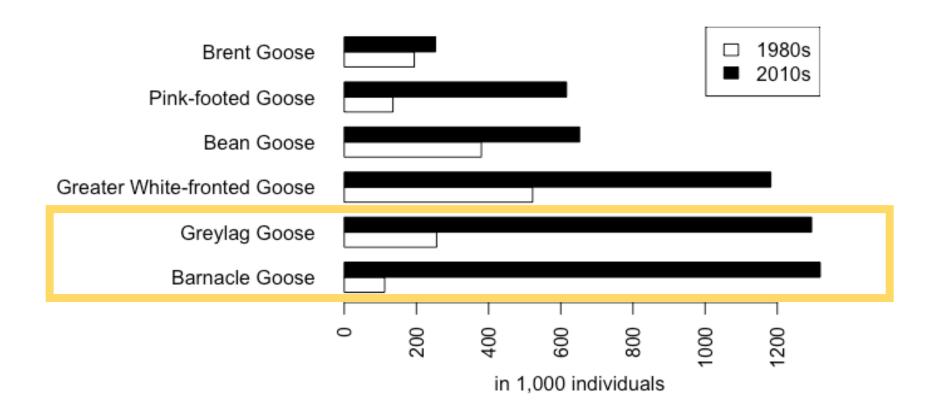








Population size of Barnacle and Greylag Goose 1980s vs 2010s (EU-9)







Barnacle Goose

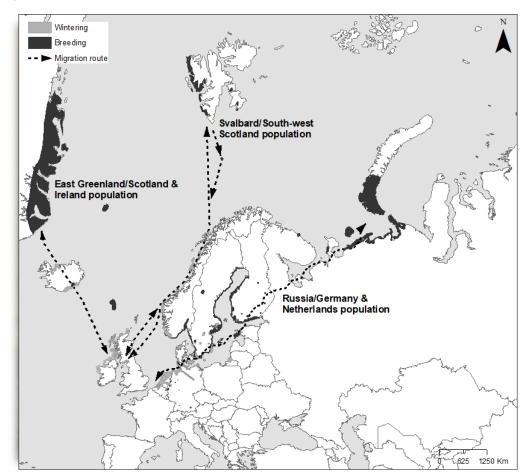
ISSMP adopted at AEWA MOP7 in 2018

The ISSMP for the species covers three populations:

- East Greenland/Scotland & Ireland population
- Svalbard/South-West Scotland population
- Russia/Germany & Netherlands population.

The Russia/Germany & Netherlands population consists of three **Management Units**:

- Arctic Russian breeding population (migratory)
- Temperate Baltic breeding population, including the Oslo Fjord breeding population (migratory)
- Temperate North Sea breeding population, breeding in the Netherlands, Belgium, Germany and south-west Denmark (considered sedentary)







Greylag Goose: NW/SW European population

ISSMP adopted at AEWA MOP7 in 2018

The NW/SW population was divided into two Management Units:

- Management Unit 1 consisting of the Norwegian breeding birds migrating to wintering grounds in the Netherlands and Spain, using stopover sites in Denmark, Germany and France.
- Management Unit 2 consists of Dutch, Belgian and north-west German breeding geese.

Principle Range States:

• Belgium, Denmark, Finland, France, Germany, the Netherlands, Norway, Spain, Sweden.



Szabolcs Nagy, Rubicon Foundation

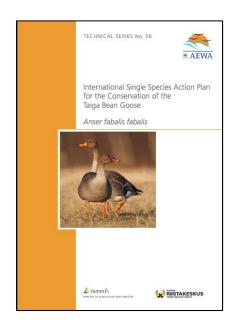
AEWA European Goose Management Platform

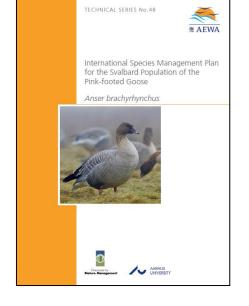
22-24 November 2023 **EGMP Monitoring Workshop**



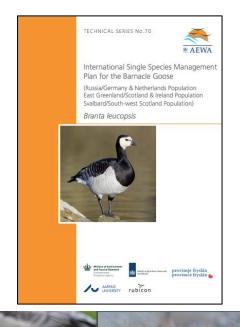


Summary of EGMP "Plans"





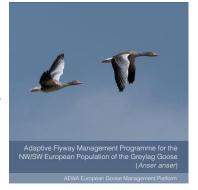






Action Plan Recovery Objective

Management Plans **Adaptive Flyway** Management Programmes













Monitoring: a backbone in the EGMP

Monitoring is carried out to:

- Assess system state
- Evaluate fulfilment of objectives
- Reduce uncertainties





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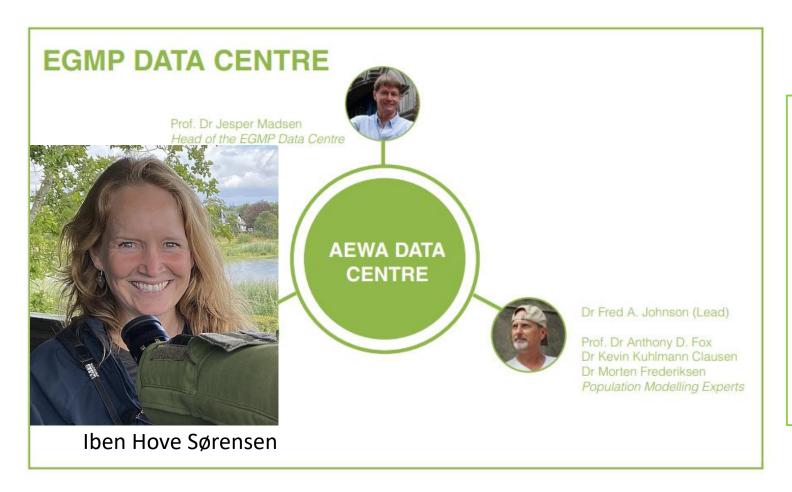
Monitoring encompasses

- Demographic variables
- Socioeconomic indicators





EGMP Data Centre



Partners:

Dutch Goose Research Consortium Kees Koffijberg, SOVON

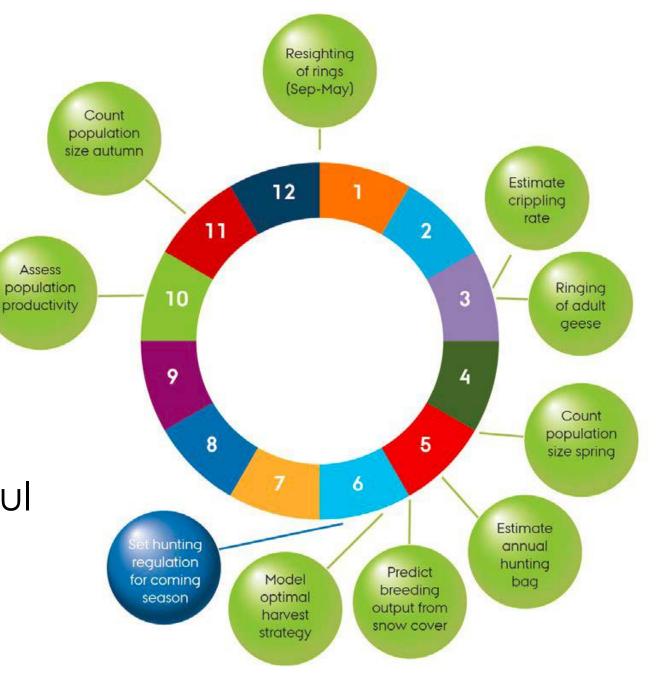
International Waterbird Census Szabolcs Nagy, Wetlands International

NatureScot Rae McKenzie, Jessica Shaw Annual wheel in monotoring and assessment

Pink-footed as example

With 4 plans in operation this timing becomes very stressful

Need for better planning







Rounding up

- Barnacle goose Russian, Baltic, North Sea population
 - Summer counts: surveys missing from Sweden
 - Estimation of the Russian Arctic MU: proposal to use spring counts from the Baltic area
 - Age counts from the Baltic still missing
 - Roost vs field counts: choice of method varies dependent on the local conditions; raise awareness of when to use which method; avoid evening roost counts (develop pros and cons list)
- Greylag goose NW/SW population
 - Summer counts (national breeding populations for each MU)
 - Good coverage in 2022 campaign, but summary is still lacking
 - Proposal to make a synthesis of 2022 campaign for IWG 2024
 - Proposal to make a synthesis of migration pattern, updated with GPS tagging data from the range states
 - Set up a small working group meeting to work on the 2022-synthesis, with recommendations for future
 - Use GPS-tagging to analyse detection probability in Sweden (September count)
 - Agreement on the translation of summering population size to number of breeding pairs
 - Check status of winter counts in Spain





- Barnacle Goose East Greenland & Iceland
 - Population size 61-62,000 inds (still above FRV); large impact of avian flue on Islay
 - Irish data being analysed (two PhDs)
 - Age ratios from Ireland
 - Iceland: monitoring plan under national management plan, including monitoring of breeding population; should be entered in the IPM
 - Proposal to catch geese in north Iceland
 - Is there a need for a metapopulation modeling approach? To be brought up in the East Greenland Barnacle Goose Task Force
 - There is a lot of existing demographic data which is currently not available; high priority to get access
- Taiga Bean Goose
 - Eastern population progress? Lack of reporting from German project





- Use of GPS tags to inform monitoring and assessments
 - Promising results from Finnish greylag geese
 - Taiga bean goose analysis of bias in counts
 - Greylags
 - Pink-footed goose
 - Proposal to set up an online meeting to exchange knowledge and ideas
- Use of APPs to record geese in the field
 - Proposal to set up an online meeting to exchange experiences, platforms and ideas
 - Use the APP as a way to stimulate young goose counters
- Communication material to recruit observers; DC to develop a prototype





- Forum / (Task Force) for monitoring
 - EGMP species but also the other species
 - Wish to make an initiative encompassing EGMP, Goose Specialist Group and IWC