



## Pink-footed Goose Session

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## Population counts

**Table 2.1.** Results of synchronised counts of Pink-footed Geese in autumn 2020 and spring 2021.

Country	Region	Numbers	
		Autumn	Spring
Norway	Trøndelag, Mid-Norway	6,502	65,735
	Vesterålen, Northern Norway		61
	Southern Norway	704	349
	Mid-Norway (outside Trøndelag)		4
	Northern Norway (outside Vesterålen)	2	15
Denmark	Jutland	87,543	794
	Eastern Denmark	50	1
Finland	Oulu region		5,670
	Elsewhere		NA
Sweden	Various sites	3,985	1,114
Germany			NA
Netherlands	Friesland and elsewhere	5,282	NA
Belgium	Flanders	6,803	NA
<b>TOTAL</b>		<b>110,871</b>	<b>73,743</b>

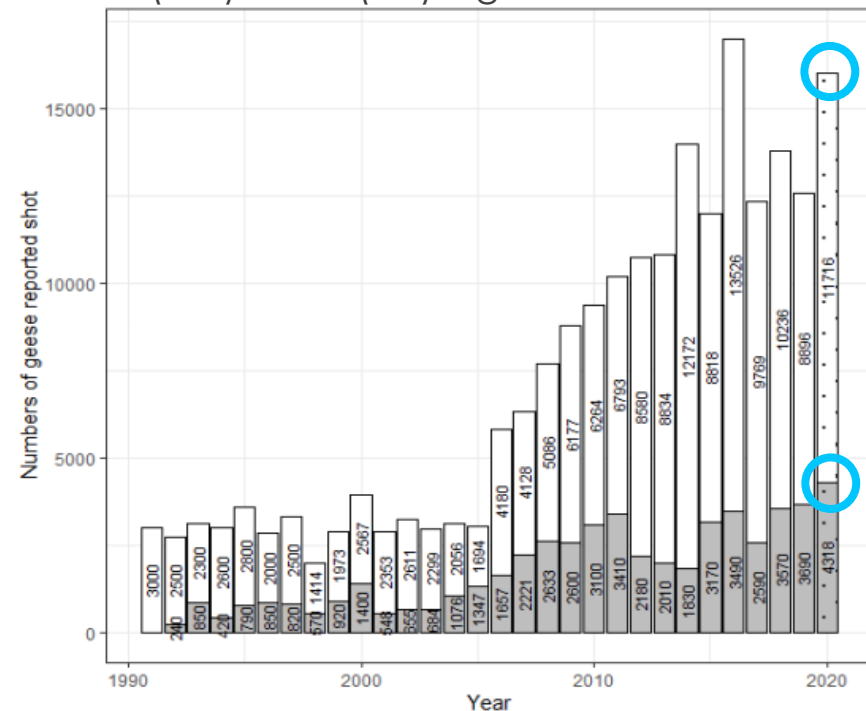
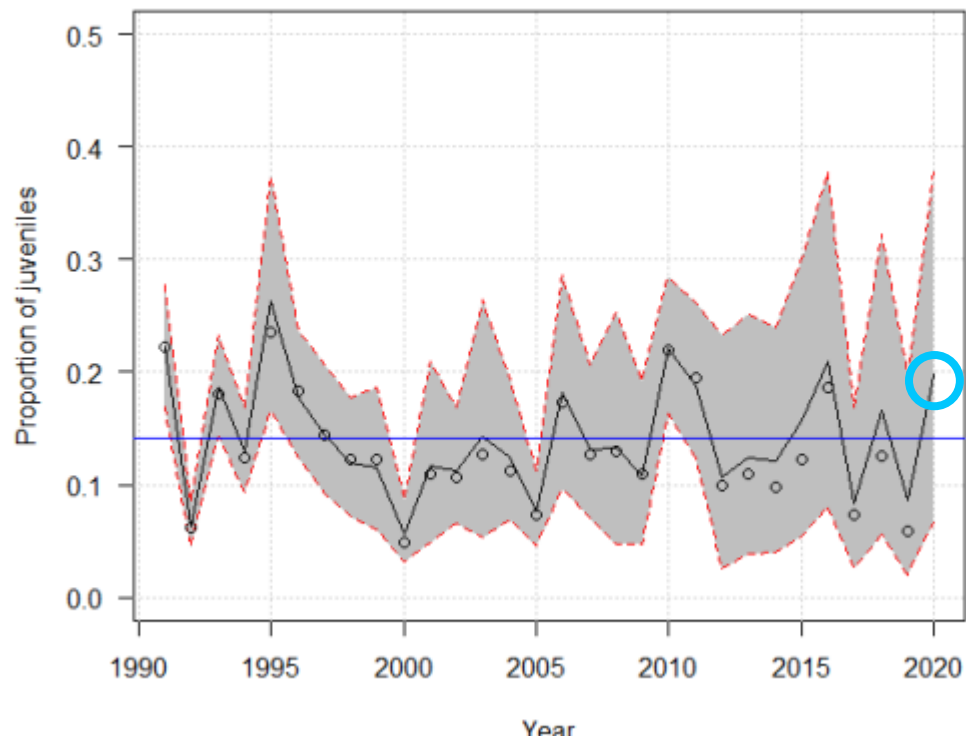
- November: 110,871 (Large increase)
  - Majority in Denmark (79%)
  - High uncertainty and probably an overestimate in the numbers from some areas of Denmark.
- May: 73,743 (increase)
  - Majority in Norway (90%)

## High proportion of juveniles

- Counts: Proportion juveniles in 2020: 19.8%
  - Range: 14.7% (DK) – 30.4% (NO)

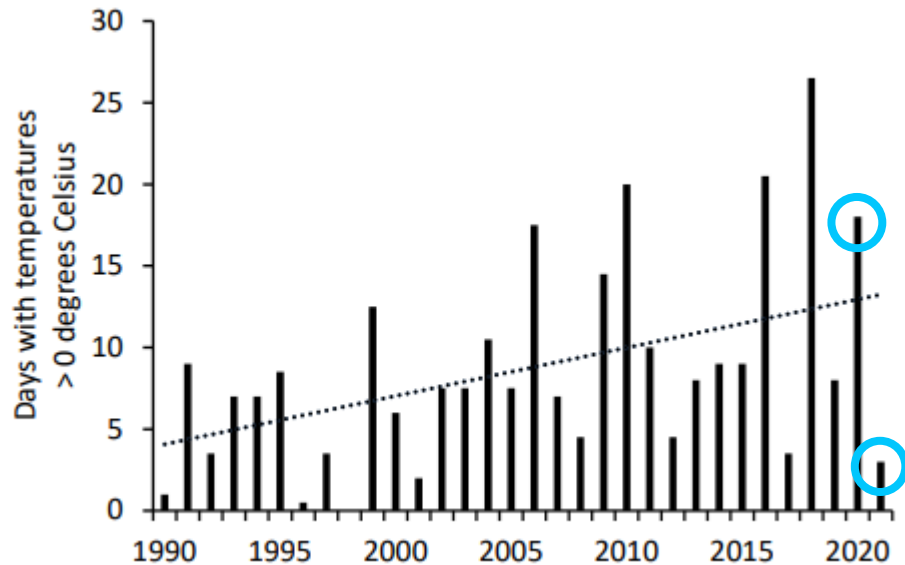
- Harvest: Increase in harvest bag in 2020/2021: 16,034 (preliminary)

- 17% (NO) – 32% (DK) higher than final numbers in 2019/2020



## Productivity

- Productivity is correlated with thaw days at Svalbard
  - High productivity was expected in 2020
  - Low productivity expected in 2021



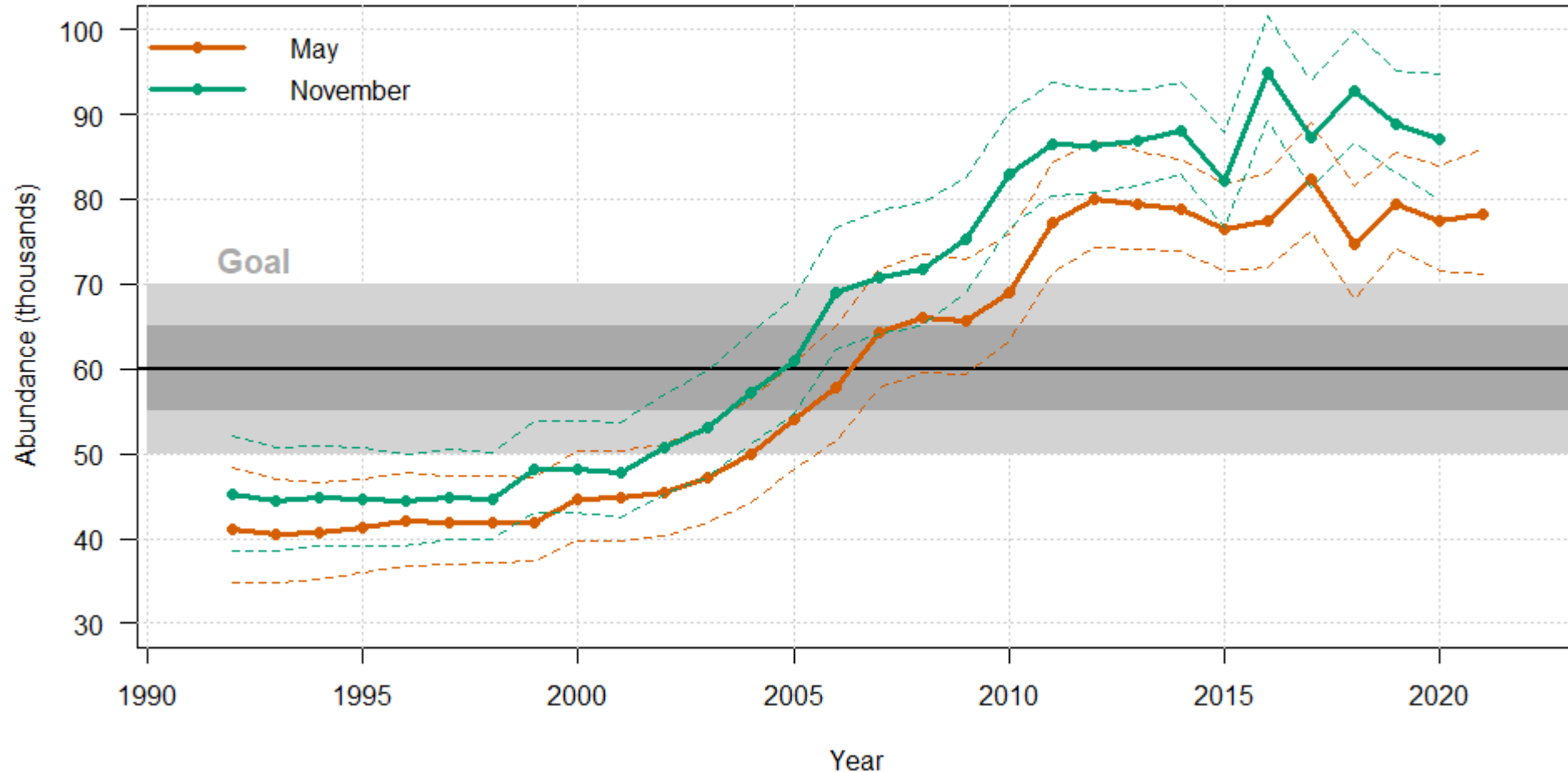


## Harvest assessment

- Objective: maintain the spring population near the target of 60,000
- Harvest alternatives: varying levels of quota, with 30% allocated to Norway and 70% to Denmark
- Population model: Integrated population model adopted in 2019
- Monitoring: May count, May CMR pop. estimate, proportion of young in fall, November count, harvests, thaw days in May in Svalbard

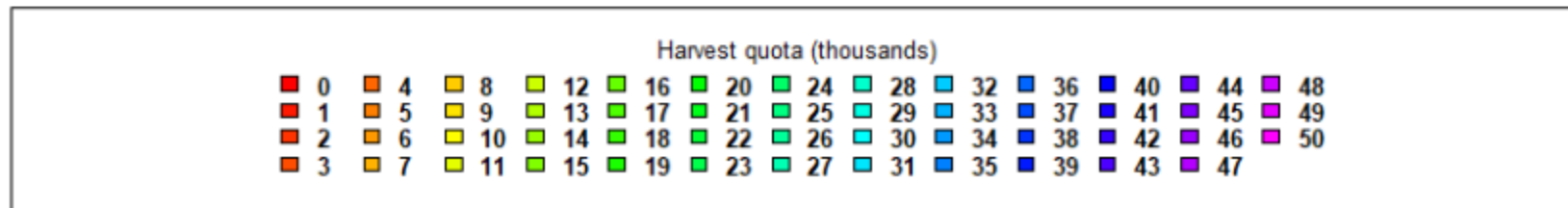
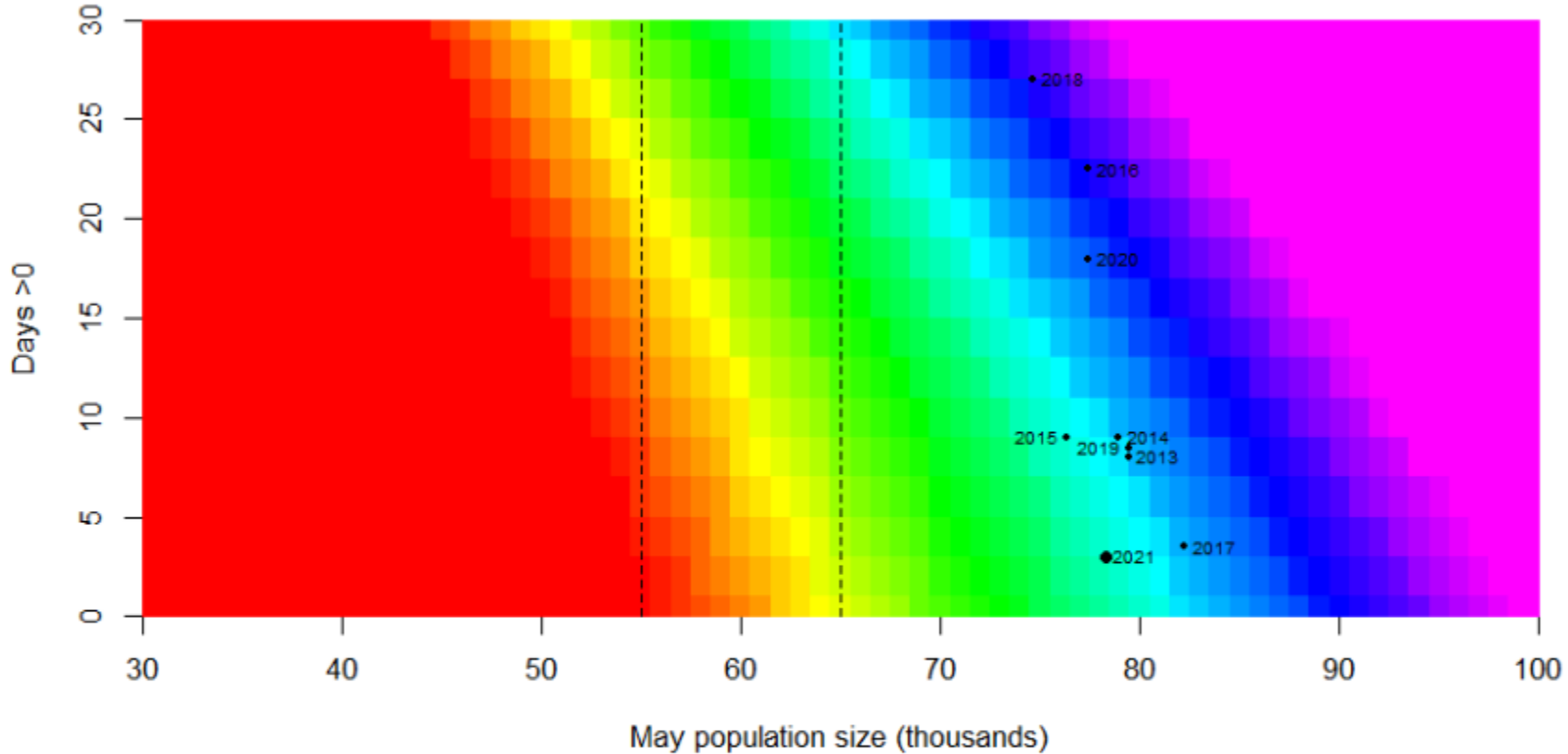
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## IPM-based population trajectories



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## 2021 Harvest Strategy





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## Summary – harvest assessment

- May 2021 population estimate = 78,300; thaw days in Svalbard = 3
- 2021 harvest quota = 28,000 (including a 4% crippling loss)
  - Norway: 8,400
  - Denmark: 16,800
- 2016 – 2020 mean harvest: 15,100 (54% of this year's quota)
- May population size has largely stabilized
  - fulfilling more of the quotas may be necessary to reduce population size
  - especially true with continued warming in the Arctic
- At the population target of 60,000 and with mean thaw days, quota would be 9,000