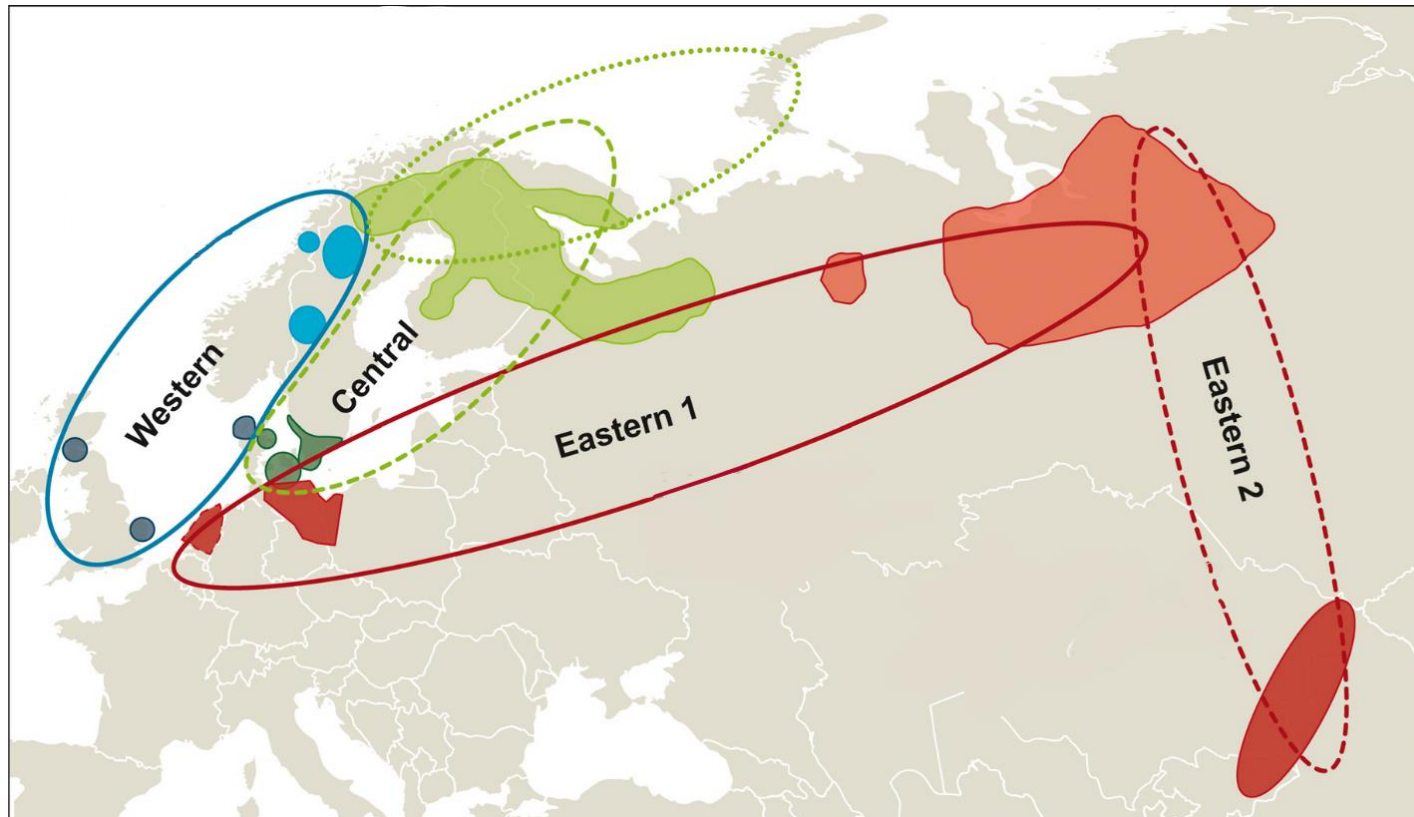


Taiga Bean Goose: Population & Assessment Report

Fred Johnson

EGMP Population Status and Offtake Assessment Report 2022
Doc. AEWA_EGM_IWG_7_10_EGMP_POPULATION_STATUS_AND_ASSESSMENT_REPORT_2022_REV_2

Management Units & Population Targets

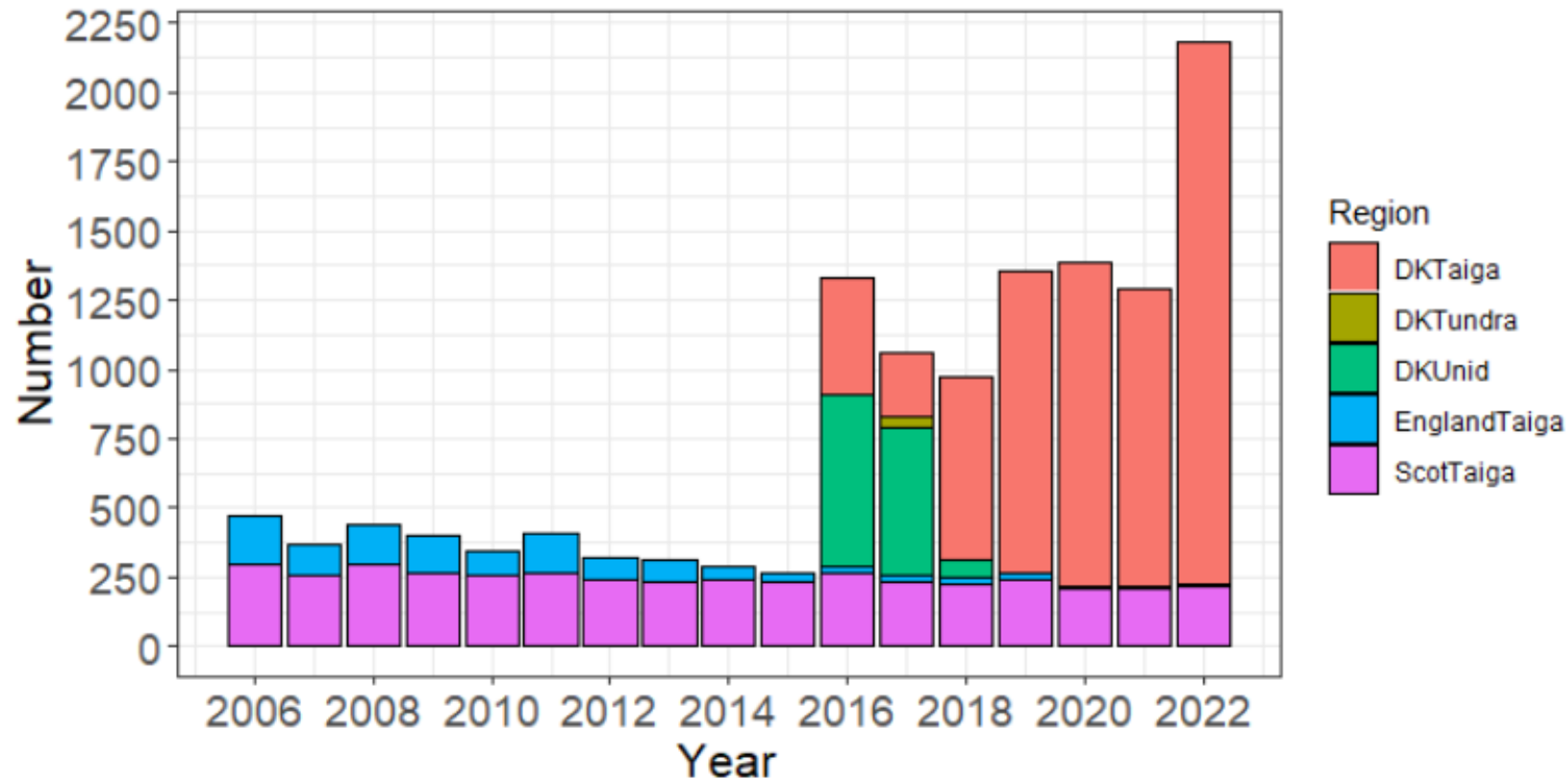


Western: 5,000 – 10,000

Central: 60,000 – 80,000

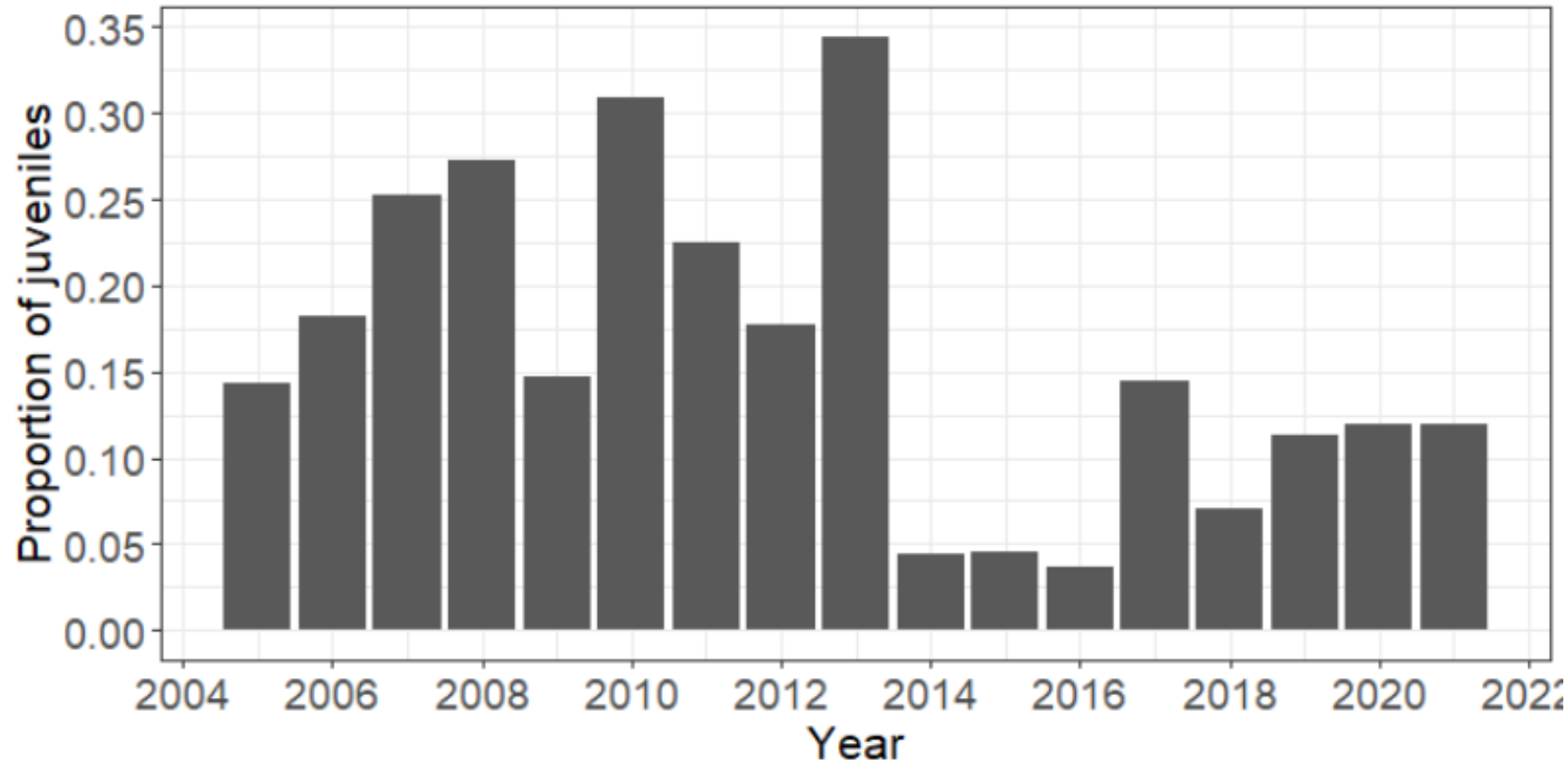
Eastern 1 & 2: 100,000

Western Management Unit: abundance



- Mid-winter considered best time for annual census
- Increase in count this year likely due to increase in coverage in Denmark
- WMU remains far below short-term target of 4,000

Western Management Unit: productivity

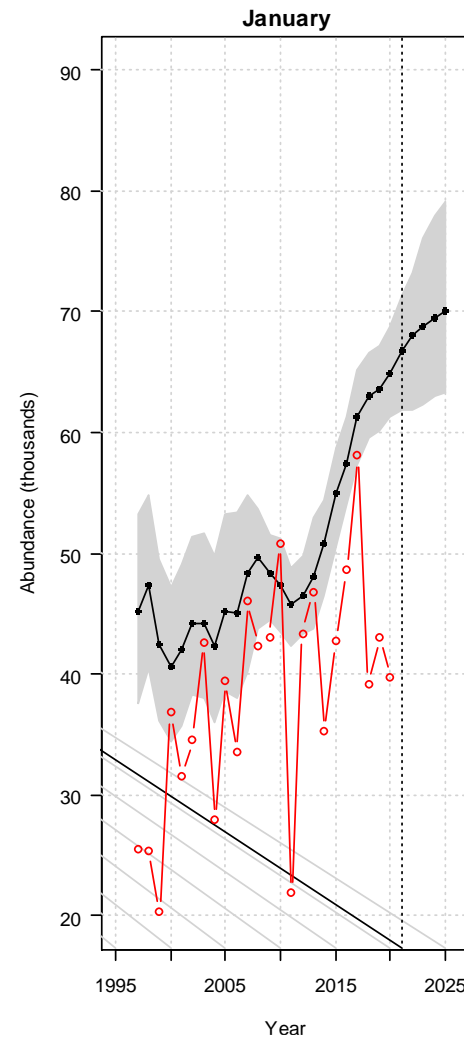
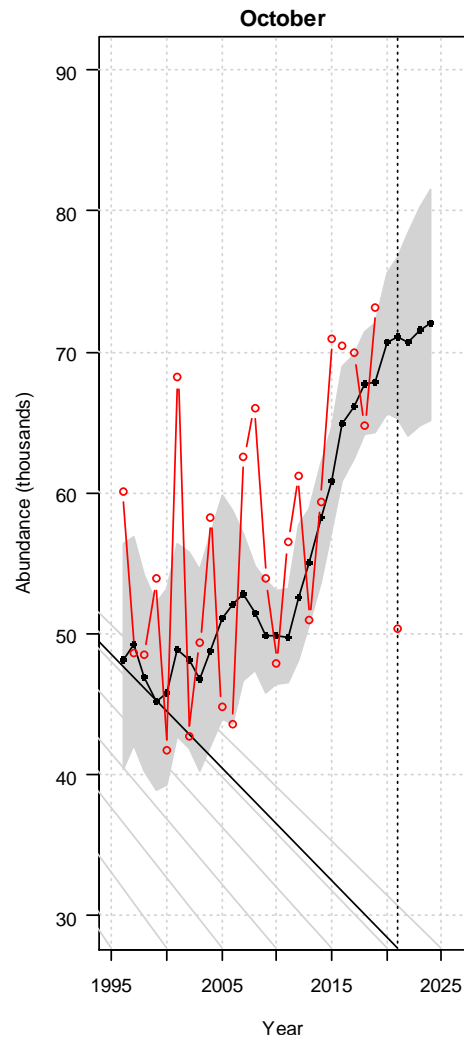
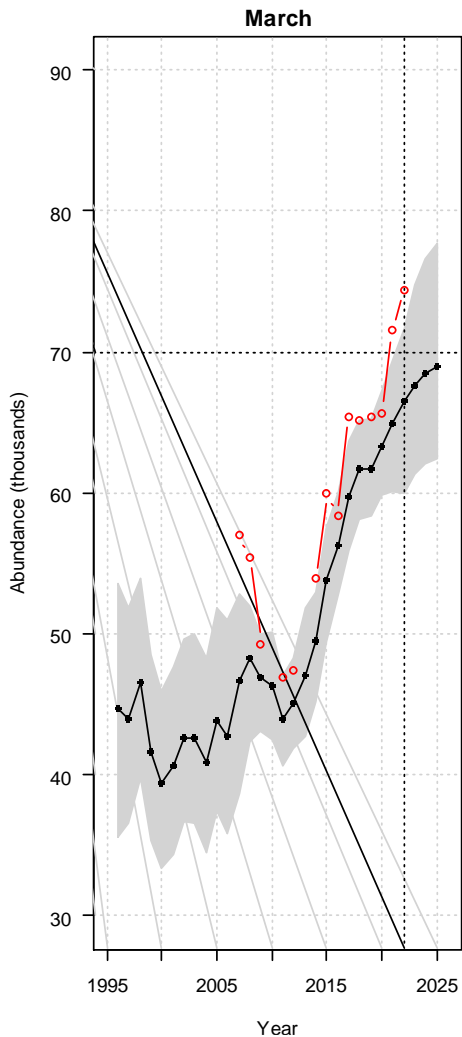


- Four counts Oct – Dec 2021 in Scotland
- 12% young
- Similar to recent years, but lower than in past

Central Management Unit

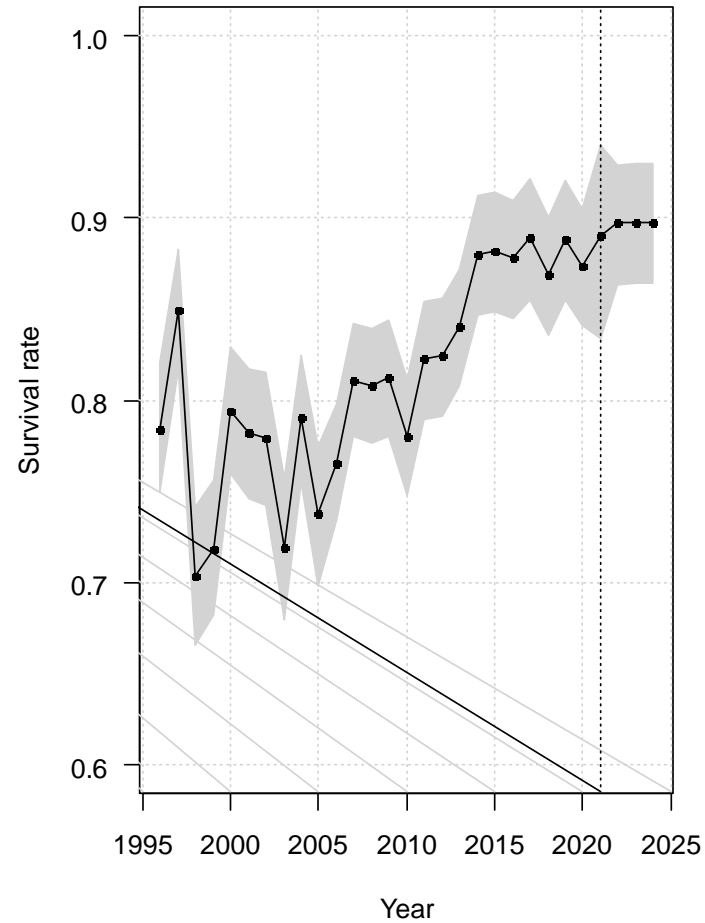
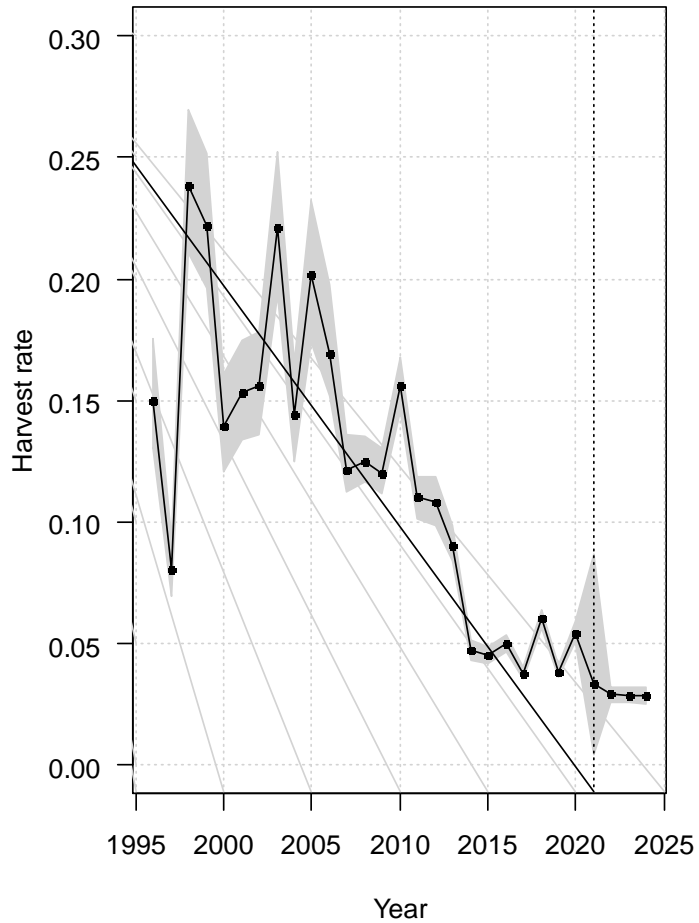
- Based on an Integrated Population Model first adopted in 2020
- Corrections and revisions to some historical data, along with the annual update of the IPM, have led to some changes in estimates of abundance and demographic parameters from previous years
- Interim harvest strategy is to prescribe allowable quotas that would permit the population to reach its median goal (70,000) by March 2025
- Quotas allocations are: 58% for Finland, 30% for Sweden, and 12% for Denmark (the Russian harvest is unknown and is subsumed in natural mortality)

Central Management Unit: abundance



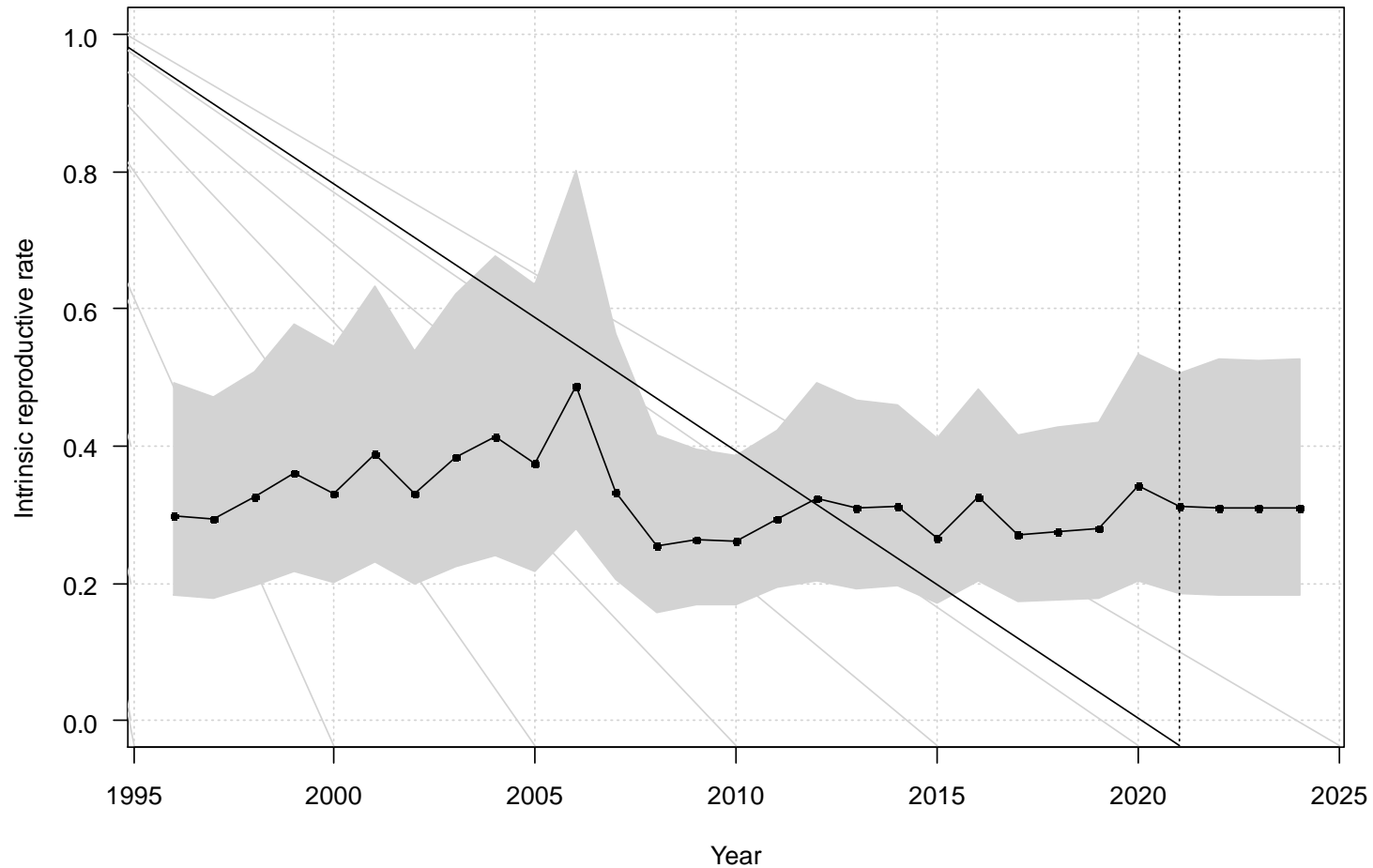
- Population generally increasing since restrictions on hunting in Finland
- March & October counts (red) include tundra subspecies (so IPM estimates are lower)
- no January counts available from Germany; IPM suggests 11,000 there on the average
- Population size under interim harvest strategy projected to 2025

Central Management Unit: mortality



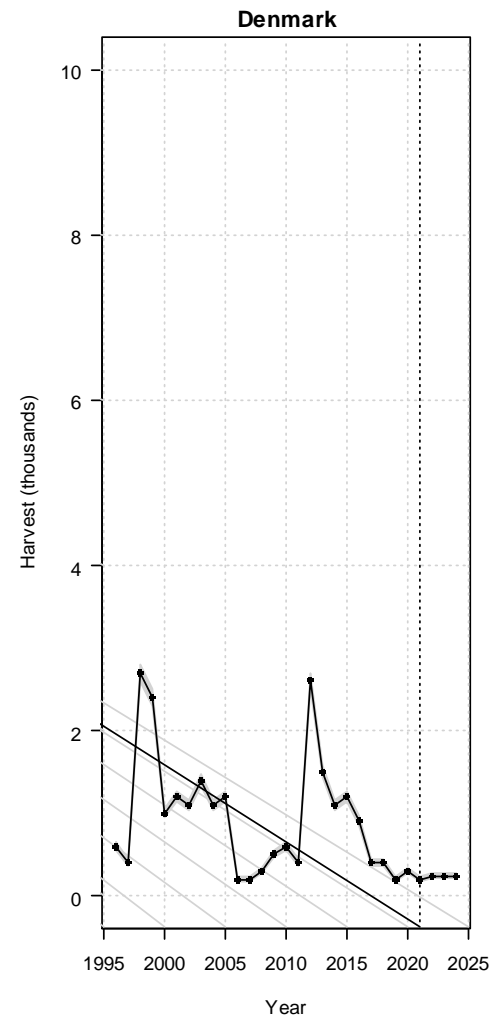
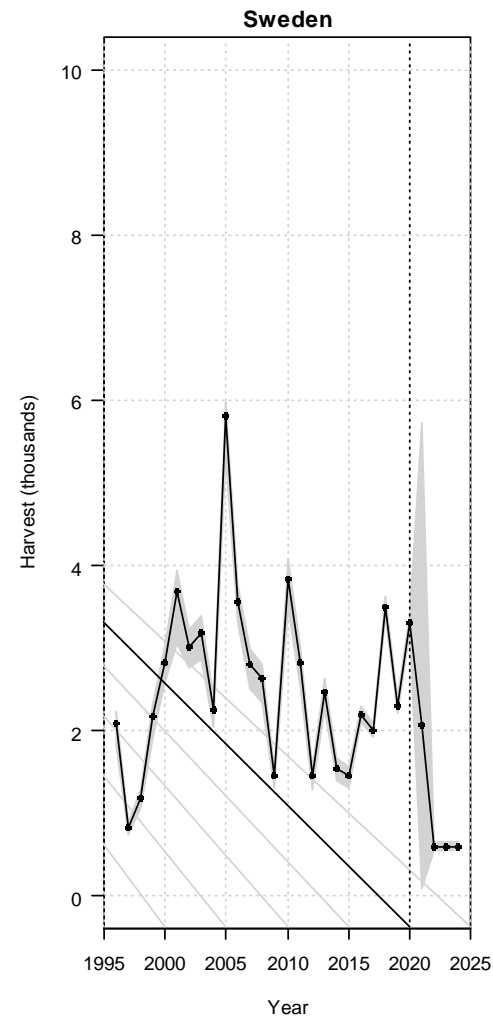
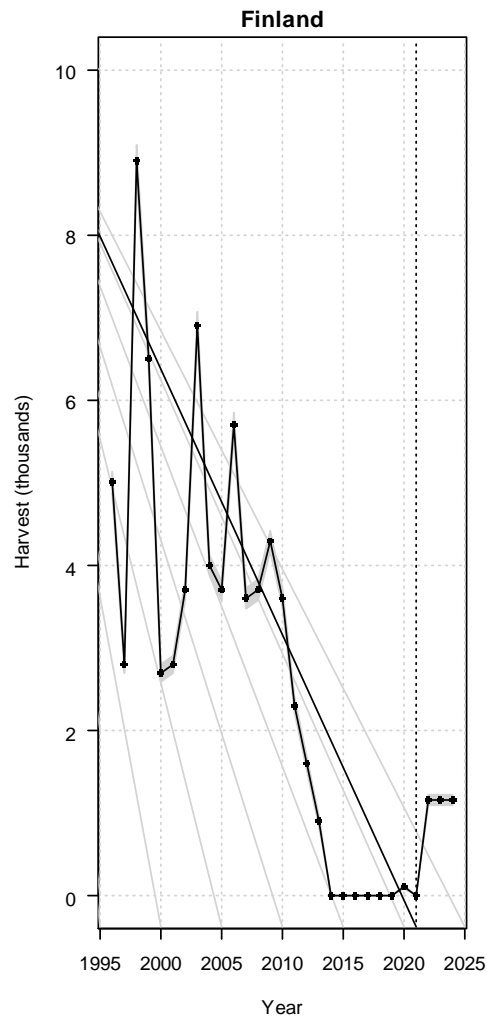
- Harvest rates <10% associated with increasing population size
- Decline in harvest rates associated with increasing annual survival

Central Management Unit: productivity



- Intrinsic reproductive rates appears to have varied little over the time frame
- Average young/adult = 32% (24% young in fall)

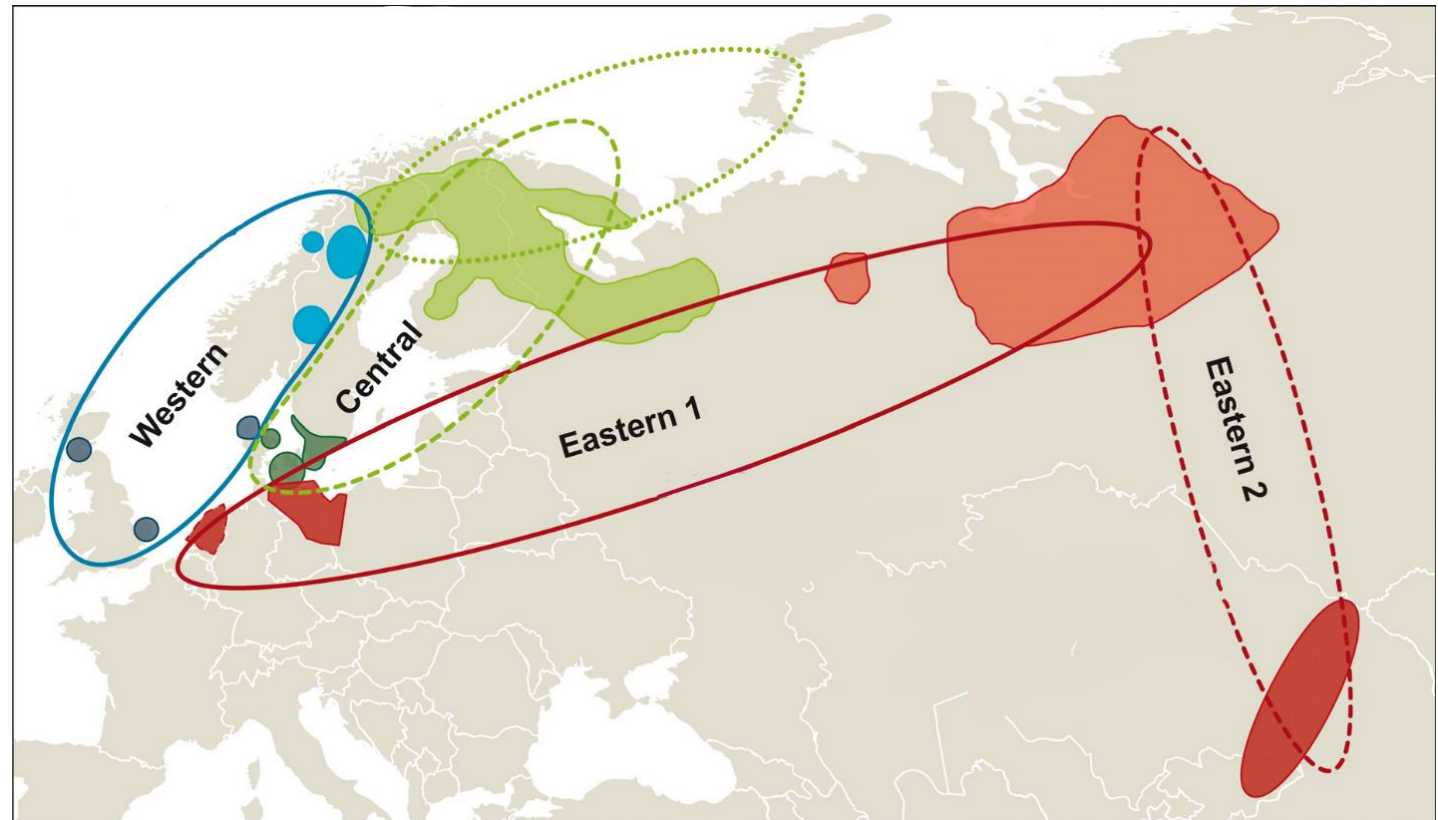
Central Management Unit: guidance



- Harvests have declined in Finland and Denmark due to hunting restrictions
- Interim strategy suggest a harvest quota of 2,000 (Finland – 1,160; Sweden – 600; Denmark – 240)
- Total harvest has averaged 2,955 during years of interim harvest strategy (2017 – 2021)

Eastern Management Units

- No new information available



Many thanks to providers of the data

- Preben Clausen, Thomas Kjær Christensen, Mikko Alhainen, Anthony Fox, Teemu Lehtiniemi, Leif Nilsson, Håkon Kampe-Persson, Kees Koffijberg, Ulf Skyllberg, Per Risberg, Niklas Liljebäck, Ulf T. Carlson, Brian Minshull, Morag Milne, Rebecca Jones and many other regional coordinators and observers

Decision points

- **WMU:** Confirm standing recommendation of no hunting
- **CMU:** Agree on total harvest quota and allocation for the 2022/2023 hunting season
 - Interim strategy is to reach 70,000 in spring by 2025
 - 2022 population size is 66,472 (59,976 – 71,654)
 - **Interim harvest quota = 2,000 (1,160 FI, 600 SW, 240 DK)**
 - *2021 decision was a quota of 3,000*
- **EMUs:** Insufficient information to support a harvest strategy