

Project information

Project title

GOOSEHUNT

Year

2012/2013

Project leader

Ingunn Tombre, NINA

Participants

- Ingunn Tombre (PI) - Norwegian Institute for Nature Research - NINA
- Einar Eythórsson - Norwegian Institute for Cultural Heritage Research - NIKU
- Jesper Madsen - Aarhus University
- Siri Ulfsdatter Sørensen - Norut Alta
- Gitte Høj Jensen - Aarhus University
- Ove Martin Gundersen - NINA

Flagship

Terrestrial, Theme: Adaptive management of ecosystem services

Funding Source

Fram Centre, Research Council of Norway, County Governor Nord-Trøndelag, environmental protection division

Summary of Results

Interviews and a web-survey

Over the spring and autumn a significant number of stakeholders (farmers, managers and hunters) have been interviewed in order to assess the motivation by, and feasibility of, entering a system based on voluntary agreements. An adaptive co-management will need motivated and co-operative stakeholders. The structure of land-ownership, with many small plots, represents a challenge in terms of facilitation of effective hunting on cultivated land. Different models for common hunting regimes involving voluntary participation of land-owners are being tried out in the region. Weak economic incentives for participation and administrative costs are potential bottlenecks for development of sustainable hunting regimes. A manuscript is currently developed summarising some of these aspects (see publication list).

A web-survey has invited a broad range of hunters who had hunted in areas where goose hunting was organized either through the web portal www.gaseejakt.no in Levanger municipality or via the organisation in Steinkjer municipality <http://home.online.no/~o-jerpst/>. At present 51 % of the involved have completed the survey (of total 108 hunters), and we are still waiting for more response (goose hunting just finished for the season).

Hunting following an experimental protocol

Also for the 2012-season we managed to come to an agreement with a local landowners' association taking full control of the goose hunting in an area. By alternating hunting pressure among two sections of the study area, we created refuges for geese without hunting disturbance giving them the possibility to increase in numbers. Increase in goose numbers eventually increased the number of potential hunting occasions, and as long as there were resources available (spilt grain in stubble fields, before snow coverage) there were geese in the area. The figure below summarises the bag statistics and goose counts, also including data on greylag geese. The data is currently being analysed, and we expect one or two more hunting incidents to occur on the flock of pink-footed geese still staging in the area (around 400 at present, see fig).

Published Results/Planned Publications

Manuscripts in preparation (3)

Eythórsson et al.: *Goose governance: Hunting as a Measure for Adaptive management of Pink-footed Goose.*

Madsen et al.: *Rapid changes in harvest reflect changes in goose behaviour; Analysis of wing surveys, hunting bags and goose behaviour.*

Tombre et al.: *Optimisation of local harvest; experiences from a case with goose hunting in Norway.*

Reports 2012 (1)

Jensen, G. H., Tombre, I. M., Eythórsson, E., Madsen, J., Søreng, S. U., Gundersen, O. M. & Hovland, P. J. 2012. Gåsejakt i Nord-Trøndelag; Resultater fra ulike jaktorganiseringer i 2011. – NINA Rapport 777, 46 s. ISBN 978-82-426-2372-0.

Oral presentations 2012 (13)

Tombre, I. M. 2012. An interdisciplinary approach to the conflict between agricultural interests and arctic geese in Norway; results from projects and potential links to the Icelandic situation. Presentation at the seminar *In Northern Mists: Understanding the Past, Predicting the Future -Icelandic and Norwegian Contributions to Arctic Research*. 12-13 November 2012, University of Akureyri, Iceland.

Tombre, I.M., Madsen, J. & Eythórsson, E. 2012. *Kortnebbgås og hvitkinngås; Status og resultater fra beiterregistreringer/dokumenterte skadeomfang. Kort om internasjonal avtale. Møte med SLF, Fylkesmannen i Nord-Trøndelag og Fylkesmannen i Nordland der også jaktprosjektet GOOSEHUNT ble presentert, Værnes 22.oktober 2012.*

Madsen, J. 2012. “GOOSEHUNT i internasjonalt perspektiv” Workshop for referansegruppen og prosjektpartnerne, Steinkjer 17. september 2102.

Søreng, S. U. 2012. “Brukererfaringer med jaktorganisering i Nord-Trøndelag: Gåsejegere” Workshop for referansegruppen og prosjektpartnerne, Steinkjer 17. september 2102.

Tombre, I. M. 2012. “GOOSEHUNT – aktivitet 2011/2012”. Workshop for referansegruppen og prosjektpartnerne, Steinkjer 17. september 2102.

Waade, L. & Gundersen, O. M. 2012. "Skogn 2012 - Web portal og organisering av jakta i Levanger kommune." Workshop for referansegruppen og prosjektpartnerne, Steinkjer 17. september 2102.

Tombre, I. M. 2012. "The Skogn case; A local initiative to organise hunting among several landowners in central Norway." Meeting on the Implementation of the AEWA International Species Management Plan (ISMP) for the Svalbard population of the Pink-footed Goose (*Anser brachyrhynchus*), Longyearbyen Svalbard 4-8 August 2012.

Tombre, I. M. 2012. "Model development in the International Species Management Plan; Information requirements." Meeting on the Implementation of the AEWA International Species Management Plan (ISMP) for the Svalbard population of the Pink-footed Goose (*Anser brachyrhynchus*), Longyearbyen Svalbard 4-8 August 2012.

Eythórsson, E. 2012. "Goose and conflicts in Norway; examples and results from ongoing projects." Møte islandske bondelagsfolk, herredsaagronomer, forskere og departementsansatte i Reykjavik, 23. mai 2012.

Tombre, I. M. 2012. "Kortnebbgås jakt på Nesset, Levanger 2012." Presentasjon for grunneierlagsmøte på Nesset, Levanger, 18.april 2012.

Tombre, I. M., Madsen, J, & Eythorsson, E. 2012. "Adaptive co-management and geese; case studies and experiences from Norway." 14th meeting of the Goose Specialist Group, Steinkjer, Norway, 17-22. April 2012

Tombre, I. M. 2012. "Kortnebbgås og jakt på Nesset" Foredrag på årsmøtet til Nesset Grunneierlag, Levanger kommune, 23. mars 2012.

Eythórsson, E., Tombre, I. M. & Søreng, S. U. "Climate Change and Wild Geese Populations: Challenges and Opportunities for Farming and Hunting". Internasjonalt seminar arrangert av CICERO: Land-use Change in a Changing Climate: Farming Practices, Nature-Based Tourism and Outdoor Recreation – Local Issues, Global Concerns. 1. februar 2012, Framsenteret, Tromsø.

Popular/Magazines/Newsletters 2012 (3)

Tombre, I. M. et al. 2012 "Til grunneierne på Nesset; Informasjon om jaktprosjektet 2012." NINA-notat juni 2012

"Mindre jakt, mer fangst" Villmarksliv, april 2012

"Ro skal gi mer gås" JAKT & FISKE, Nummer 3, mars 2012

Presentations at the internet/news 2012 (32)

The Icelandic National Broadcasting Service, 13.november 2012

Interview I.Tombre "Paralleller mellom gås-landbruk konflikter på Island og i Norge"

Notis i Levanger-Avisa 8.november 2012

"Gåsejegere får spørsmål"

Notis i Trønderavisa 7.november 2012

"Spør gåsejegere"

<http://papermill.intermedium.com/papermill/getArticle.xsp?docId=2c0fd4e2ffba706a36e87f6e3d7571e0&sid=3751&pdf=true>

Nyhets sak på Norut Altas hjemmesider, 5.november 2012

"Spør jegere om gåsejakt"

<http://www.norut.no/alta/Norut-Alta-Alta/Nyheter/Nyhetsarkiv/Spoer-jegere-om-gaasejakt>

Reportasje Trønderavisa 24.oktober 2012

"Spenning til jakttallene"

Nyhets sak på NIKUs hjemmesider, 23. oktober 2012

”Gås i sikte” http://niku.no/no/nordomrade/forskning_i_nord/G%C3%A5s+i+sikte.9UFRjO4N.ips

Nyhets sak på Noruts hjemmesider, 18.oktober 2012

”Jakt i Norge på kortnebbgås som hekker på Svalbard har betydning internasjonalt”

<http://www.norut.no/alta/Norut-Alta-Alta/Nyheter/Nyhetsarkiv/Jakt-skal-holde-gaasebestanden-nede>

Nyhets sak på Framsenteret hjemmeside, 18.oktober 2012

”Jakt skal holde gåsebestanden nede”

<http://www.framsenteret.no/jakt-skal-holde-gaasebestanden-nede.5117225-141503.html>

Nyhets sak på DN's hjemmesider, 18. oktober 2012

”Jakter ny løsning på gåseproblem”

<http://www.dirnat.no/content/500045900/Jakter-ny-losning-pa-gaseproblem>

Nyhets sak på Norges jeger og fiskerforbunds hjemmesider, avdeling Nord-Trøndelag,

med link til Nyhetssaken på NINA, 18. Oktober 2012

”Jakt på kortnebbgås i Norge har internasjonal betydning”

http://www.njff.no/portal/page/portal/nord_trondelag

Nyhets sak NINAs hjemmesider, 18.oktober 2012

”Jakt på kortnebbgås i Norge har internasjonal betydning”

<http://www.nina.no/Aktuelt/Artikkel/tabid/945/ArticleId/2013/Jakt-pa-kortnebbgas-i-Norge-har-internasjonal-betydning.aspx>

Nyhets sak NRK, 28. september 2012

”Nesten ingen spiser kortnebbgås”

http://www.nrk.no/nyheter/distrikt/nrk_trondelag/1.8339319

NRK Nord-Trøndelag, Morgennytt 27.september 2012

Prosjektomtale av Felt- og jaktleder (NINA) i prosjektet, Ove Martin Gundersen.

Distriktsnyheter Midt nytt 25.september 2012 – om GOOSEHUNT-prosjektet

<http://tv.nrk.no/serie/distriktsnyheter-midt nytt/dktl99092512/25-09-2012#t=12m4s>

Dagsrevyen 21.september 2012

<http://tv.nrk.no/serie/dagsrevyen-21/nnfa21092512/25-09-2012#t=19m44s>

Trønder Avis 22.september 2012 – omtale om gåseprosjektene i regionen.

”Bare mer og mer gås”

<http://www.t-a.no/nyheter/article5659345.ece>

Nyhets sak NRK 25.september 2012

"Farlig å være kortnebbgås: jegere skal de neste åra bidra til at det blir 20 000 færre kortnebbgås."

http://www.nrk.no/nyheter/distrikt/nrk_trondelag/1.8335556

Nyhets sak NRK 21.september 2012

"Vil ha 20 000 færre kortnebbgås"

http://nrk.no/nyheter/distrikt/nrk_trondelag/1.8330934

Nyhets sak på Fylkesmannen i Nord-Trøndelags hjemmesider med informasjon også om GOOSEHUNT-prosjektet: "Internasjonal forvaltingsplan for kortnebbgås"

<http://www.fylkesmannen.no/fagom.aspx?m=2860&amid=3606740>

"Må skyte flere av disse." Steinkjer-avisa 20.april 2012

"Vil utvide gåsejakta", Adresseavisen 19.april 2012

"Flygende utfordring", Nationen 20.april 2012

"Gåsegutta samles i gåsetrekket."

Nyhets sak NJFFs hjemmeside 17.april 2012

http://www.njff.no/portal/page/portal/njff/nyhet?element_id=160684016&displaypage=TRUE

"Kortnebbgåsa mellomander i tusentall i Nord-Trøndelag"

Nyhets sak i Nationen 18. April 2012

<http://www.nationen.no/2012/04/18/nyheter/kortnebbgas/innherred/steinkjer/nord-trondelag/7375153/>

Nyhets sak på NINAs hjemmesider i forbindelse med arrangering av konferanse og prosjektresultater: "Gåsa trekker spesialister til Steinkjer" 16.april 2012

<http://www.nina.no/Aktuelt/Artikkel/tabid/945/ArticleId/1820/Gasa-trekker-spesialister-til-Steinkjer.aspx>

"Tusener må dø", Trønderavisa 30.mars 2012

Nyhets sak på NJFFs hjemmeside. "Gode råd for gåsejakta", 28. februar 2012

http://redir.opoint.com/?url=http://www.njff.no/portal/page/portal/njff/nyhet%3Felement_id=152754009%26displaypage=TRUE&OpointData=b3bd8f1a1dc660785c6276c1621e56e0JmlkX3NpdGU9NzU3MCZpZlF9hcnRpY2xlPTM2MTQmaWRfdXNlcj0xMTUxJmlkX2FwcGxpY2F0aW9uPTEwMDAyMDYmbGFuZz1ubyZtb249MSZtYXRjaGVzPSJOSU5BIjQgIm5hdHVyZm9yc2tuaW5nIjEy

NRK Nord-Trøndelag, Intervju 27.februar 2012.

Nyhets sak på Framsenteret hjemmesider i forbindelse med NINA Rapport 777, lansert 24. februar 2012: "Forskere vil ha dyktige gåsejegere"

<http://www.framsenteret.no/forskere-vil-ha-dyktige-gaasejegere.5025096-141503.html>

Nyhets sak på NINAs hjemmesider i forbindelse med NINA Rapport 777, lansert 24. februar 2012: "Redusert jaktrykk gir større gåsefangst"

<http://www.nina.no/Aktuelt/Artikkel/tabid/945/ArticleId/1756/Redusert-jaktrykk-gir-storre-gasefangst.aspx>

All the dissemination and publications in GOOSEHUNT is listed in a separate attachment. We have spent a significant amount of time communicating with local stakeholders and we have organized one workshop with the reference group. The interest from various media sources has been considerable.

Interdisciplinary Cooperation

The project consortium is multidisciplinary, constituting biological and sociological expertise. Through our relation to the reference group we also gain from agricultural and economical expertise. This has been vital for the project, also in terms of progress. I can't find any negative aspects of the outcome of these collaborating disciplines, but slightly more time is needed to establish collaborative links with new partners (but in general that is irrespective of scientific discipline).

Budget in accordance to results

The funding from the Fram Centre is part of the "own funding" already included in the budget to the original application to the Research Council. In 2012 we received 50 000 more than in 2011, which gave us the possibility to increase our activity in GOOSEHUNT without overdrawing the financial limits. Especially, better, and more frequent, integration with stakeholders have been shown to be beneficial for GOOSEHUNT. The Fram Centre funding opened for more effort regarding this. In order to put in place practical agreements with farmers/landowners, several meetings were conducted in spring and summer 2012. Eventually this gave us the opportunity for an additional year with experimental hunting in one restricted core area. This agreement has been crucial in terms of the collection of data fuelling our optimal harvest model.

If Yes

Our project co-operates with a local initiative for organized goose hunting via a web portal www.gasejakt.no. This initiative has been described in our report from 2011.

There is an opening for research money via the source "Regionale Forskningsfond Midt-Norge" (application deadline 28th of November). The GOOSEHUNT-consortium, in collaboration with new, and relevant, project partners aims to submit an application here. We will focus on the *goose meat* – including goose hunting and its' outcome into the food chain and evaluate potential sources for distribution and sale. We will apply for funding of a pilot project, where we organise a workshop including relevant project partners to explore the various possibilities for this.

Conclusions

1. An international management plan has recently been launched for the pink-footed goose population (more at the links at Aarhus University <http://dce.au.dk/en/aktuelt/news/news/artikel/unique-european-waterbird-management-plan/>

and at NINA/the Fram Centre

<http://www.nina.no/Aktuelt/Artikkel/tabid/945/ArticleId/2013/Jakt-pa-kortnebbgas-i-Norge-har-internasjonal-betydning.aspx>

<http://www.framsenteret.no/jakt-skal-holde-gaasebestandene-nede.5117225-141503.html>).

Results from GOOSEHUNT will be integrated in the implementation of this plan, a plan with an adaptive and dynamic character. The results from GOOSEHUNT will also provide specific guidelines both locally and at a national/international level regarding optimal goose hunt organization and practice.

2. Described in the previous report for 2011: The model exercises conducted in the project will be linked and further developed in the parallel international plan developed for pink-footed geese (see above). Here, predictive models will provide guidelines for yearly bag limits of geese, based on some criteria agreed on in the international process (all delegations will be working together at a workshop in the summer of 2012). For pink-footed geese MODIS-data describing the onset of spring at the breeding sites in Svalbard appears to be useful criteria to assess the yearly production in this population, and may correspondingly recommend bag sizes for Norway/Denmark.