



Cover letter

Applicable to application for survey licence for collection and/ or acquisition of biological resources for research purpose

Legislation

A survey licence is issued under authority of the Greenland Home Rule Parliament Act no. 20 of 20 November 2006 on the use of biological resources for commercial and research purposes (in the following: Act on Biological Resources). When applying for a survey license, the applicant should read the Greenland Home Rule Parliament Act on Biological Resources; the act is enclosed.

The Act is aimed at:

- 1) Exploration of biological resources in accordance with the Convention on Biological Diversity¹.
- 2) Utilisation of research results to create commercial value.
- 3) Ensuring that Greenland gets a fair share of the value created on the basis of biological resources.
- 4) Utilising biological resources in a manner appropriate for the environment and nature.

What does "biological resources" cover?

"Biological resources" means all kinds of genetic resources, organisms or parts thereof, populations, or any other biotic component of ecosystems with actual or potential use or value for humanity today or in the future.

What is a survey licence?

A survey licence is a time-limited licence for acquisition, collection or a combination of both in connection with research into biological resources, e.g. with a view to subsequent commercial utilisation. Note that any type of commercial activity requires a commercial licence.

Terms and conditions

When an applicant has met all requirements and has been authorised to receive a survey licence, the licence as well as the terms and conditions is sent to the applicant.

Survey period

The survey licence is issued for a limited period and includes the collection period, the time of acquisition as well as the time in which research is carried out on the collected and/or acquired biological resource. The expiration date of the survey licence will be stated on the licence. It is possible to apply for an extension of the survey licence by sending an application to the Ministry of Infrastructure and Environment. Use the form for "application form for survey licence for collection and/or acquisition of biological resources for research purposes".

Collection or acquisition

The application must state whether the survey licence is for:

- 1) Collection of biological resources.
- 2) Acquisition of biological resources from a third party.
- 3) Both collection and acquisition of biological resources.

Acquisition of biological resources refers to the acquisition of previously collected biological resources through a third party, e.g. institutions, firms, organisations, and other researchers.

Collection refers to the physical collection of biological resources and the taking of samples of e.g. ice cores, soil, sediment and sea ice.

¹ The objectives of the Convention on Biological Diversity include conservation of biological diversity, the sustainable utilisation of its components and the fair and equitable sharing of the benefits arising out of the utilisation of genetic resources, cf. Article 1. The Act on Biological Resources aims to create conditions by which Greenland receives a fair share of the value created. For the full text of the UN Convention on Biological Diversity, see www.biodiv.org.



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Commercial utilisation

"Commercial utilisation" means production or resale of products or knowledge based on biological resources and commercialisation of patent rights covering biological resources or based on biological resources or components derived from such resources. If the collected or acquired biological resources are used for commercial purposes, a commercial licence must be applied for. Should you wish to apply for a commercial licence, please contact the Ministry of Industry, Labour, Vocational Education and Training at ip@gh.gl.

Procedure

Applications must be submitted no later than 3 months prior to the surveys.

Please send the application and the signed statement of truth by post or email to:

The Ministry of Domestic Affairs, Nature and Environment
Nature Division
Postboks 1614
3900 Nuuk
Greenland

Phone: +299 34 67 18
Fax: +299 32 52 86
Email: NNPAN@nanoq.gl

If the application is authorised, the survey licence and the terms and conditions of the licence will be sent to the applicant



Application form for survey licence for collection and/ or acquisition of biological resources for research purpose

Please read the cover letter before filling in the application form

Fill in all fields in the application form. If one or more of the fields are irrelevant for the investigation, please note "N.A." (Not Applicable) in the field. This is especially relevant in cases where the survey is exclusively based on acquired biological resources.

Application number
 (To be filled in by the
 Greenland Home Rule):

**Permit nummer C-
 13-4(4)/D-13-1**

Profile of applicant	
1. Name of senior researcher:	Egon Frandsen
2. Country of citizenship:	DK
3. Telephone number:	+45 871 58 756
4. FAX number:	
5. Email address:	erf@dmu.dk
6. Postal address work:	Aarhus Universitet Arktisk Forskningscenter (ARC) Institut for Bioscience C.F. Møllers Allé 8 Bygning. 1110 - Rum 218 8000 Aarhus C
7. Researchers:	State name and email address of research team here. Ivali Lennert ivle@natur.gl Thomas Juul-Pedersen, thpe@natur.gl
8. Name of institutes/enterprises/organisations contributing to the survey:	Grønlands Naturinstitut and Århus Universitet
9. Has the senior researcher or an associated institute/ enterprise/ organisation applied for a survey licence before?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10. Is the application for an extension of a current survey licence?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
11. If yes, state the number of the valid survey licence:	2011-045841

COMMERCIAL INTERESTS	
12. Does the applicant intend to commercialise the survey results?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
13. Is the applicant formally connected to enterprises that are able to exploit the collected and/or acquired biological resources commercially?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
14. If yes, state name of enterprise below:	
15. Has the applicant or institute/enterprise/organisation involved in the survey previously applied for a patent for inventions that directly or indirectly are based on biological material collected in Greenland or other countries?	



Yes No

16. If yes, state patent information below:

PROFILE OF SURVEY

17. Title of the survey:

Marin Basis, Zackenberg, Permit nummer **C-13-4(4)/D-13-1**

18. What kind of biological resources will the survey be based on?

Collected biological resources

Acquired biological resources

If necessary tick both boxes

For information on the difference between acquired and collected please read the cover letter

19. Time scale of the survey:

State start and end date of the survey.

The period must cover the entire time research is carried out on the collected/ acquired biological resources, for more information please read the cover letter.

July 31st – August 22nd 2013

20. Summary of the survey's objective & method:

Write a short summary (max 100 words) of the survey's objective and method, including the goal of the survey.

Måleprogrammet omfatter nedenstående delområder:

Havis: Målinger af havisdække og is- og snetykkelse. Vertikale profiler, af lys, temperatur, saltholdighed, og klorofyl gennem havisen.

Vandfase: Målinger (kontinuerte) af temperatur, saltholdighed og tidevand. Målinger af sedimentation (vertikal eksport). Vertikale målinger af lys (PAR), salt, temperatur, klorofyl, næringsalte, kulstof (DIC/alkanitet), pH, og sammensætning af væsentligste planktonkomponenter i åbenvandsperiode.

Havbund: Målinger af O₂, kulstof (DIC) og næringsaltsudveksling mellem vandfase og havbund. Vertikale profiler af O₂ og sulfatreduktion. Sammensætning og udbredelse af indikatorer arter blandt bundfauna langs tidligere undersøgte transekt (0-30 m). Kulstofbegravelse. Tilvækst hos sukkertang og muslinger.

21. List five key words that the Greenland Home Rule can use to easily identify the subject of the application (e.g. microbiology, glaciology, etc.):

Marine Biology

RESULTS

22. Publication / securing access to the results:

State when publications or access to the results of the survey are expected.

Zackenberg Zero Annual Report 2014



ACQUISITIONS	This section does not apply for applicants who are only to collect biological resources.
23. Time of acquisition:	State the date(s) of acquisition.
24. Biological resources:	Describe type, common and Latin name of the species, size and amount of samples or material acquired.
25. Source/Institute:	List a reference to the institute, enterprise or organisation from whom the biological material is acquired.
26. Name of source/ researcher	State name of the researcher from whom the biological material is acquired.

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COLLECTION	This section does not apply applicants who only acquire biological resources.
27. Time scale for collection: July 31 st – August 22 nd 2013	State start and end date for collection period.
28. Biological resources:	Describe type, common and Latin names of the species, size and amount of samples or material to be collected.
Vi forventer at medbringe følgende prøver til analyse i DK: Vandprøver til analyse for næringssalte (Ca. 100 stk á 10 ml) Vandprøver til analyse for CH ₄ (Ca. 100 prøver á 10 ml) Laminaria-prøver til CN-analyse (Ca. 20 stk á 20 gram) Fiskeprøver – øresten og vævsprøve (Ca. 10 stk. á 20 gram) Plankton prøver (10 prøver á 100 ml) Algeprøver (40 prøver á 300 ml) Sediment søjler til sulfatreduktionsanalyse (3 prøver á ca. 200 g. sediment)	
Vi forventer at medbringe følgende prøver til analyse i Nuuk: Sedimentfælde prøver (12 stk. af 250 ml) Vandprøver til analyse for DIC/TA (Ca. 200 stk á 10 ml) Chlorophyl a prøver (Ca. 50 stk á 5 ml)	
29. New collection:	If samples of biological resources that have already been collected are to be collected, describe the reason for the new collection.

LOGISTICS	This section does not apply for applicants who only acquire biological resources.
30. Geographical location:	State the geographical location of the survey area: name of municipality, name of location and geographical coordinates.
Young Sound and Tyrolerfjord, Nord-Øst Grønland 74.10N – 74.40N and 20.00W – 22.15W	
31. Include a map of the survey area in the field	
32. Describe the field activities to be carried out:	
33. State which types of transport will be used to and from the field:	
34. State which types of transport will be used in the field:	
35. State any other local contact in Greenland:	
36. State total number of participants:	

Collection and tagging of vertebrate species	This section does not apply for applicants who only acquire biological resources.
It requires a prior dispensation cf. the Greenland Home Rule Parliament Act of 18 December 2003 on animal protection if wild vertebrate species are to be caught, held in captivity, tagged, or samples are to be taken from them or any other kind of handling of these animals.	
37. State common name	
38. State scientific name	

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Capturing and handling

39. How many individuals is to be handled?

40. State method for capturing

Net

Traps

Other

If "other" is ticked, please specify:

41. State size of the traps

42. How often is the traps checked

43. Do the participants in the project have experience with the method? Yes

No

Tagging

44. How many individuals is to be tagged?

45. Describe the type of tagging (e.g. Ringing data logger, satellite)

46. State the weight of the tagging

Confidentially

47. Does the applicant wish for the Greenland Home Rule to keep information about the survey confidential?

Yes

No

Statement of truth concerning the application for a survey licence

A statement of truth stating that the applicant has truthfully filled in this application for a survey licence for biological resources.

The applicant hereby declares to have truthfully filled in the application form for a survey licence for biological resources.

48. Date:

11/07/13

49. Signature of senior researcher:

Applications to be sent to

The Ministry of Infrastructure and Environment
Environmental Agency
"Application for survey licence"
Postboks 1614
3900 Nuuk
Greenland

Tel: +299 34 67 18
Fax: +299 34 54 10
nhlm@nanoq.gl