

**SNS**

SAMNORDISK SKOGSFORSKNING

ANKOM

RAPPORT avseende 2001-02-26
nätverksbidrag (möten, konferenser, etc)

Dnr: M-2000-5.....

Aktivitetsens titel	
Samspil mellem jordboende insektlarver og nyttige micro-organismer för etablering av nåleträdskulturer i hojnordisk skovbrug	
Ort och tidpunkt	Ansvarig
Mógilsá 19/2 2001	Dr. Guðmundur Halldórsson
Genomförda aktiviteter	
<p>Gruppen holdt et projektforbereðende møde i Viikki Biocenter, University of Helsinki i dagene 18-19/1 2000. Deltagere i mødet var Edda S. Oddsdóttir og Guðmundur Halldórsson fra Island, Susanne Harding og Jørgen Eilenberg fra Danmark og Robin Sen fra Finland. Under mødet blev der lavet et udkast til en projektansøgning. Denne ansøgning blev færdiggjort og sendt ind til SNS i Maj 2000. Ansøgningen vedlægges dette brev (Forbedret planteproduktion og etablering af skov ved hjælp af integreret brug af nyttige jordbundsmikroorganismer).</p>	
Resultat och ev. publicering	
<p>Gruppen fik ikke støtte til det ansøgte projekt, men et bidrag på 50.000 SEK for et fortsat samarbejde.</p>	
Datum	Underskrift
19/2 2001	

Rapportering godkend
2001-03-08 / BT



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NORDIC FOREST RESEARCH CO-OPERATION COMMITTEE

APPLICATION FORM FOR
RESEARCH PROJECTS
starting in 2001

To be submitted (as one original and 24 copies) to:
SNS secretariat, c/o SJFR, Box 6488, SE-113 82 Stockholm

Deadline: **1st June 2000**

1. Title of project (max. 50 letters)	Improved plant production and forest regeneration by integrated use of beneficial soil organisms
2. Title of project (Scandinavian translation)	Forbedret planteproduktion og etablering af skov ved hjælp af integreret brug af nyttige jordbundsmikroorganismer
3. Description of main problems/hypotheses addressed in the project	<p>Insects and diseases attacking the root system of seedlings are a major problem throughout the world. In Nordic forestry these problems are most significant in tree seedling nurseries and in afforestation, especially in Iceland.</p> <p>Research by consortium members show that; a) beneficial soil biota is antagonistic to soil dwelling larvae, b) soil dwelling larvae can be successfully controlled by insect-pathogenic fungi and c) ectomycorrhizae is antagonistic to root diseases.</p> <p>The hypothesis is that by inoculating seedlings in the nursery with functional guilds of beneficial soil biota they can be protected by environmentally sound methods from; a) diseases/soil dwelling larvae in the nursery and b) soil dwelling larvae in the field.</p> <p>The hypothesis will be tested by; a) selecting, b) developing and c) applying beneficial biota to a model system.</p>
4. What advantages may be gained by Nordic collaboration? In which countries does the project have a high national priority and for what reasons?	<p>The collaboration is needed to cover the different fields of expertise/facilities involved. These fields are not covered by any one of the partners alone, but; a) IFR has experience in field exp. on the interaction between beneficial and harmful soil biota, b) KVL has performed a range of studies on insect pathogenic fungi and bacteria, their natural occurrence and their prospects for biological control and c) Biocenter has worked on mycorrhizal interactions with crop plants and forest trees since 1982.</p> <p>The project has a high national priority in Iceland as it aims at solving one of the most important problems in afforestation in Iceland. The project also aims at solving problems in nurseries, forest establishment and Christmas tree production which are very significant in all of the Nordic countries.</p>
5. Research plan (a detailed description, including yearly work plans, should be enclosed (maximum 5 pages))	<p>The project will include four major Tasks.</p> <p>Task 1. Selection of beneficial soil microorganisms for forest regeneration.</p> <p>Task 2. Development of functional guilds of beneficial soil microorganisms through bio-assays in laboratory.</p> <p>Task 3. Experimental application of functional guilds of beneficial soil biota under field conditions.</p> <p>Task 4. Evaluation of prospects of applying functional guilds of beneficial soil biota in Nordic forestry</p>
6. Time schedule	The project will start on 01/01 2001 and finish on 31/12 2003
7. Project leader/ co-ordinator (address, phone, fax, e-mail)	<p>Dr. Gudmundur Halldorsson Iceland Forest Research, Mogilsa, IS-116 Reykjavik, Iceland. Tel.: +354 5154500 Fax: +354 5154501 E-mail: gudrsr@simnet.is</p>

8. Contact persons in other participating countries (address, phone, fax, e-mail)

Denmark: Dr. Jørgen Eilenberg,
The Royal Veterinary and Agricultural University,
Department of Ecology and Molecular Biology,
Thorvaldsenvej 40, DK-1871 Frederiksberg C
Tel.; +4535282660, Fax; +4535282670, E-mail; Joergen.Eilenberg@ecol.kvl.dk

Finland: Dr. Robin Sen (Docent)
Department of Biosciences
Division of General Microbiology
The Viikki Biocenter
P.O. BOX 56 (Viikinkaari 9C)
FIN-00014 University of Helsinki
Tel: +358 9 70859221/59223, fax: +358 9 70859262, e-mail: robin.sen@helsinki.fi.

9. Resources needed (x 1000 SEK)	Year	Total project costs	FUNDING		
			Own funding	Other funding	SNS-grant
	1	964	498		467
	2	1195	478	125	592
	3	1091	478	125	488
	TOTAL	3.250	1.454	250	1.547

10. Please specify "Other funding" in year 1 (tick relevant boxes)	DK	SF	IS	N	S
Guaranteed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not guaranteed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. Proposed allocation of SNS grant (x 1000 SEK)	Year	DK	SF	IS	N	S	TOTAL
	1	256	95	116			467
	2	242	88	262			592
	3	172	48	262			488
	TOTAL	670	237	639			1.547

12. Signatures of participating researchers

for..... / 2000

for..... / 2000

for..... / 2000

for..... / 2000

for..... / 2000

(department/institute) (signature)

13. Signature of head of project leader's department/institute

for..... / 2000

(department/institute) (signature)

.....
(full name in capitals; position)

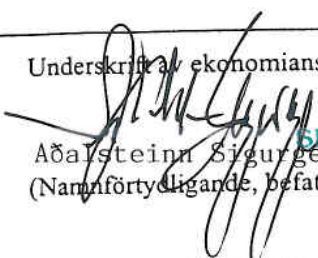



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SAMNORDISK SKOGSFORSKNING

EKONOMISK REDOVISNING avseende nätverksbidrag (möten, konferenser, etc)

Dnr: M-2000-5.....

Aktivitetsens titel			
Samspel mellem jordboende insektlarver og nyttige micro-organismer för etablering av nåleträdskulturer i höj nordisk skovbrug			
Bevilling från SNS i SEK: 42.000		i landets valuta: 371490 ISK	
Omkostnader Anges i landets valuta och enligt institutionens räkenskapspraxis. Förbrukningen av SNS-medel skall som ett minimum specificeras som lön, resekostnader, tryckning samt övriga utgifter.			
Deltagere	Dagtraktamente, hotel, taxa o.s.v. (ISK)	Flybilletter (ISK)	Total (ISK)
Jørgen Eilenberg	18018	67519	85537
Susanne Harding	18878	67519	86397
Edda S. Oddsdóttir	81648	58266	139914
Gudmundur Halldórsson	48798	97110	145908
Total (ISK)	167342	290414	457756
Resultat (eventuellt överskott skall återbetalas till SNS, eller ingå i ny bevilling härifrån):			-86266 ISK
Datum	Underskrift av ekonomiansvarig tjänsteman/revisor:  Aðalsteinn Sigurgeirsson, direktor (Namnförtydligande, befattning:)		
	 RANNSÓKNASTÖÐ SKOGKERFARS RÍKISINS MOGILSK		