



CZECH - MONGOLIAN
FOREST PROJECT
2015-2017

***Development of forests and the
gene pool of local forest tree
ecotypes in Mongolia
2015 -2017***



***„Help the creative and they will
help other“***



***Richard Slabý
Forest Management Institute
Brandýs nad Labem
Czech Republic***





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Development of project I.

- *Historical contacts – the cement factory with the Czech technology...*
- *„People in need“ – two teachers of forestry in Darkhan (2011?) et sequences long term cooperation between the Czech Forest Academy in Trutnov and Agriculture University of Mongolia in Darkhan*
- *„Křtiny declaration“ – initiated by Ministry of Agriculture + UNECE Geneva + FAO*
- *Workshop for participants of „Křtiny declaration“ in Kyrgyzstan 2012*
- *Interest by „Forest genetic“ from the Mongolian side*
- *First proposal of project in 2013 (Forest genetics & Regional Plans of Forest Development (RPF))*
- *Decrement of International Development cooperation with Mongolia from the Czech government in 2013...*
- *New initiative from the Czech Development Agency in September 2014...*
- *Work trip of the Czech Development Agency in October 2014*
- *Work trip of the Forest Management Institute in November 2014*
- *Extension of the prime project...*



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Development of project II.

Extension of the prime project (winter 2015)(in also accordance with wishes of Ministry of Environment, FRDC and the Darkhan university):

- ***Co-build and equip by the „Patrik“ technology for container-grown plants two forest nurseries:***
 - ***At Zulzaga – the Darchan university***
 - ***At rented forests by „Domogt Sharyn Gol“ – collaborator with the Darchan university for forest praxis and with the Czech Forest Academy also...***
 - ***+ example in FRDC in Ulan Bator***
- ***Skill in harvest seeds (coins) by harmless technology.***
- ***Foundation of forest seed orchard (Larix).***
- ***Sample out planting from first forest nursery (100 000 seedling in 2017).***
- ***University mimeographed, pictures, PPT and video materials.***
- ***Support of existing cooperation between Darchan university and (also Apprentice Training Centre in Suuchbatar) and the Czech Forest Academy in Trutnov.***
- ***Public relation in Forestry...***
- ***Excursion of 4 Mongolian experts to the Czech Republic in spring 2016.***
- ***Video document about the project.***



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Development of project III.

Another extension in accordance with wishes of Forest Unit Khongor, Khongor som, Sharyngol som (June 2015):

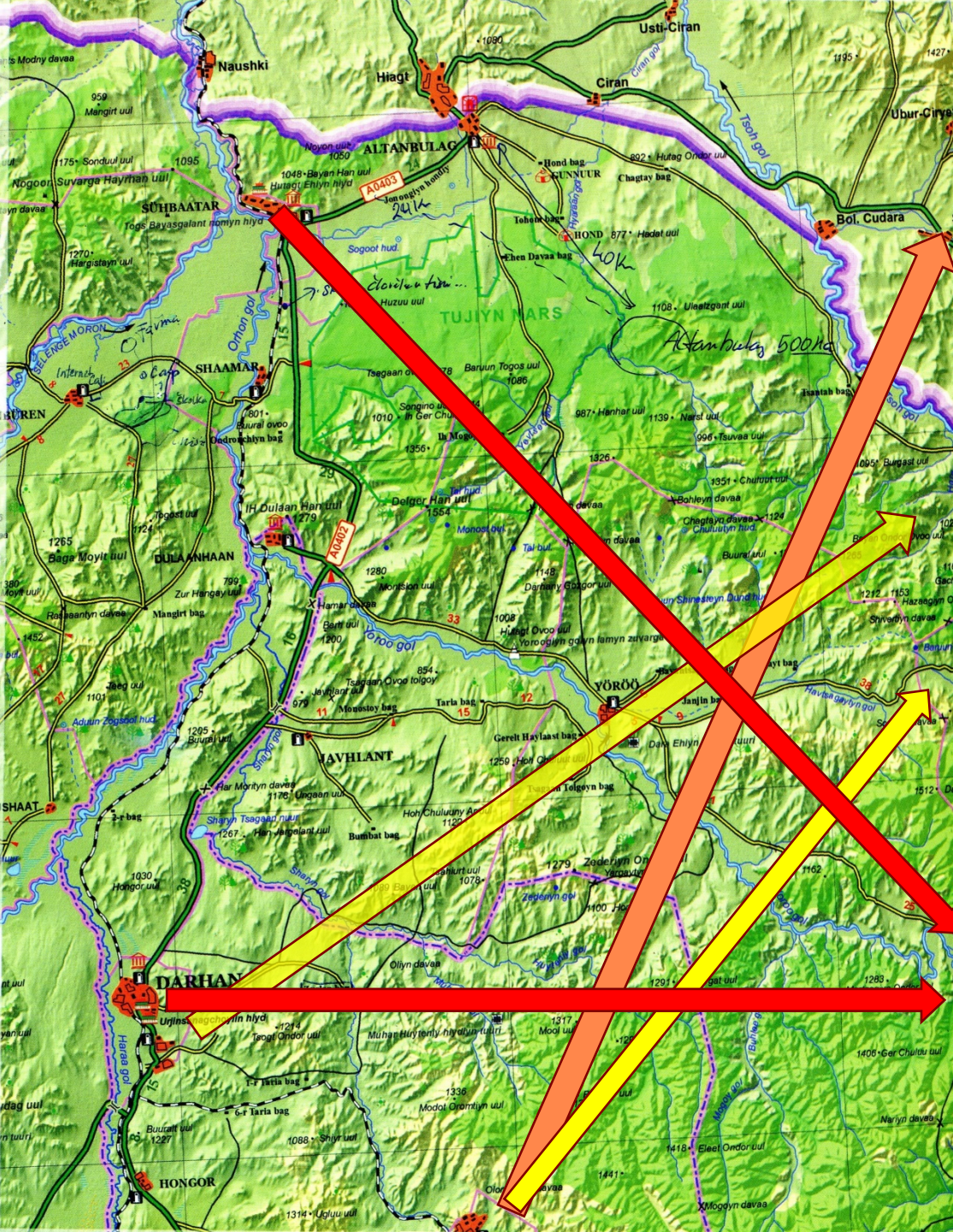
Question from representatives of Forest Unit Khongor, Khongor som, Sharyngol som:

„We have officially 60, really active more than 30 cooperatives as this „Domogt Sharyn Gol“ Co.,LTD., so could you extend your project and show how to manage the forests in this area?“



We started to prepare „presentation (exemplary) places“ (approx. 10 with 0,5 – 1 ha) of different types of forest management in area of „Domogt Sharyn Gol“ Co.,LTD.,. It will be useful for:

- the cooperatives in Darkhan-Uul,***
- for other and not only from the western Khenti***
- experts of FRDC***
- and for students of the Darkhan university as well.***



The main working localities:

Forest Genetics and RPFD

1. Forest east of Sharyn Gol
2. Zulzaga, Bugant, Tunkhel, Konin Nuga, Batchiret, Hovsgul - for or comparison and overview

Forest nurseries:

1. Forest east of Sharyn Gol
2. + Seed orchard for Larix
3. Darchan university
4. Sample at FRDC at FRDC in UB

Education & Public relation in Forestry

1. Darchan university
2. The Vocation Training and production Centre of Selenge Province
3. Sharyn gol



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Purposes & Outputs

Purposes:

The project will contribute to the development of the gene pool of local forest trees and to the restoration of ecologically stable forest communities. + show particular examples of Forest management.

Outputs:

- ***1.1 Long-term forest management, in accordance with sustainable forest management practices, improved***
- ***1.2 Two functional model centers for the production of reproductive material***
- ***1.3 Improved capacity of forestry experts and pedagogical staff***



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Project activities

- ***A 1.1.1 Analysis of current conditions and knowledge of forest ecosystems, including remote sensing***
- ***A 1.1.2 Revision and optimization of methodologies and working practices of sustainable forest management + show particular examples of the Forest Management.***
-
- ***A 1.2.1 Training in the collection of cones***
- ***A 1.2.2 Establishment of 2 model forest nurseries***
- ***A 1.2.3 Establishment of 1 forest seed orchard***
- ***A 1.2.4 Practical training and experts assistance during the operation of forest nurseries and seed orchard***
- ***A 1.2.5 Training in reforestation and plant care, pilot reforestation***
-
- ***A 1.3.1 Study visit to the Czech Republic.***
- ***A 1.3.2 Educational database***
- ***A 1.3.3 Workshops for Forest Units***
- ***A 1.3.4 Training of pedagogical staff***
- ***A 1.3.5 Capacity building for a local NGO***



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Project activities in 2015 (in red)

- ***A 1.1.1 Analysis of current conditions and knowledge of forest ecosystems, including remote sensing***
- ***A 1.1.2 Revision and optimization of methodologies and working practices of sustainable forest management + show particular examples of Forest management.***
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- ***A 1.2.1 Training in the collection of cones***
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Project activities in 2016 (in red)

- **A 1.1.1 Analysis of current conditions and knowledge of forest ecosystems, including remote sensing – finished in 2015.**
- **A 1.1.2 Revision and optimization of methodologies and working practices of sustainable forest management + show particular examples of Forest management.**
-
- **A 1.2.1 Training in the collection of cones – finished in 2015.**
- **A 1.2.2 Establishment of 2 model forest nurseries**
- **A 1.2.3 Establishment of 1 forest seed orchard**
- **A 1.2.4 Practical training and experts assistance during the operation of forest nurseries and seed orchard**
- **A 1.2.5 Training in reforestation and plant care, pilot reforestation**
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- **A 1.3.1 Study visit to the Czech Republic.**
- **A 1.3.2 Educational database**
- **A 1.3.3 Workshops for Forest Units**
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Activities in 2017 (in red)

- **A 1.1.1 Analysis of current conditions and knowledge of forest ecosystems, including remote sensing – finished in 2015.**
- **A 1.1.2 Revision and optimization of methodologies and working practices of sustainable forest management + show particular examples of Forest management – continuation...**
- **A 1.2.1 Training in the collection of cones – finished in 2015.**
- **A 1.2.2 Establishment of 2 model forest nurseries – finished in 2016.**
- **A 1.2.3 Establishment of 1 forest seed orchard – will be in 2018.**
- **A 1.2.4 Practical training and experts assistance during the operation of forest nurseries and seed orchard – continuation...**
- **A 1.2.5 Training in reforestation and plant care, pilot reforestation – continuation...**
- **A 1.3.1 Study visit to the Czech Republic - finished in 2015...**
- **A 1.3.2 Educational database – DOC, PPT, pictures, videos,**
- **A 1.3.3 Workshops for Forest Units**
- **A 1.3.4 Training of pedagogical staff**
- **A 1.3.5 Capacity building for a local NGO**



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Financial overview of the project from the Czech side (in USD)

“DEVELOPMENT OF FORESTS AND THE GENE POOL OF LOCAL FOREST TREE ECOTYPES IN MONGOLIA”	2015 CZ	2016 CZ	2017 CZ	TOTAL 2015 - 2017	Proposal for 2018 CZ
Kind of expences					
1. Personal & travelling expenses	127 326	164 854	185 565	477 745	?
2. Equipments & goods	151 651	36 695	35 174	223 520	?
3. Direct expenses in Mongolia (renting of flats & fuelling...)	9 454	15 481	15 957	40 892	?
4. Subdelivery	82 146	57 782	74 870	214 798	?
5. Suport of target group	0	2 092	8 696	10 788	?
6. FMI costs	19 592	12 092	14 783	46 466	?
					?
SUMA	390 169	288 996	335 043	1 014 209	155 000



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Financial overview of the project from the Mongolian side I. (in USD)

Investor	Types of Expense 2015	Amount in USD	Types of Expense 2016	Amount in USD	Types of Expense 2017	Amount in USD	Total amount in USD
Domogt Sharyn Gol Ltd	2 Floors wooden house	57 500	Staff Accommodation, Storage house (Container)	704	Training for Birch logging	816	
	Greenhouse preparation labour, Gravel stone preparation cost	1 400	2 small wooden house	4 695	Transportation cost (Soil preparation)	1 306	
	Substrate soil labour cost	500	Gravel-stone portage cost	3 117	Workers salary (8 people April to November)	20 286	
	Salary for workers	2 000	Transporting people and work materials from Sharyn gol by car, by porter van, ZIL 131.	3 099	Catering for seminars, workers' food cos	2 500	
	Manual water hole	1 250	Temporary workers wage	3 237	No	0	
	No	0	Permanent employees salaries (6 people April - November)	15 714	Planks, timbers, materials	1 020	
	No	0	Presentation seminars conduction cost	1 643	No	0	
	No	0	3 water tanks	469	No	0	
Amount in USD		62 650		67 717		25 929	156 296



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Financial overview of the project from the Mongolian side II. (in USD)

Investor	Types of Expense	Amount in USD 2015	Amount in USD 2016	Amount in USD 2017	Total amount in USD
Ministry of Environment and Tourism	Road work Sharyn gol - Forest Centre	0	2 347	0	2 347
	Purchase of Ger for Seminars and Training purpose.	0	2 347	0	2 347
	Deep water well	0	0	2 857	2 857
Forest Research Development Centre	small size agricultural pad tractor.	0	1 408	0	1 408
?		0	0	8 163	8 163
Environment and Tourism bureau of Darkhan-Uul aimag	Forniture	0	0	2 041	2 041
Governor of Sharyn gol Sum.	Auto grader for road work	0	5 869	612	6 481
?		0	0	1 122	1 122
Amount in USD		0	11 971	14 796	26 767



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Place for a forest nursery - June 2015





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The forest nursery - Spring 2016





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The forest nursery - Spring 2016





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The forest nursery - Spring 2016





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The forest nursery - Spring 2016





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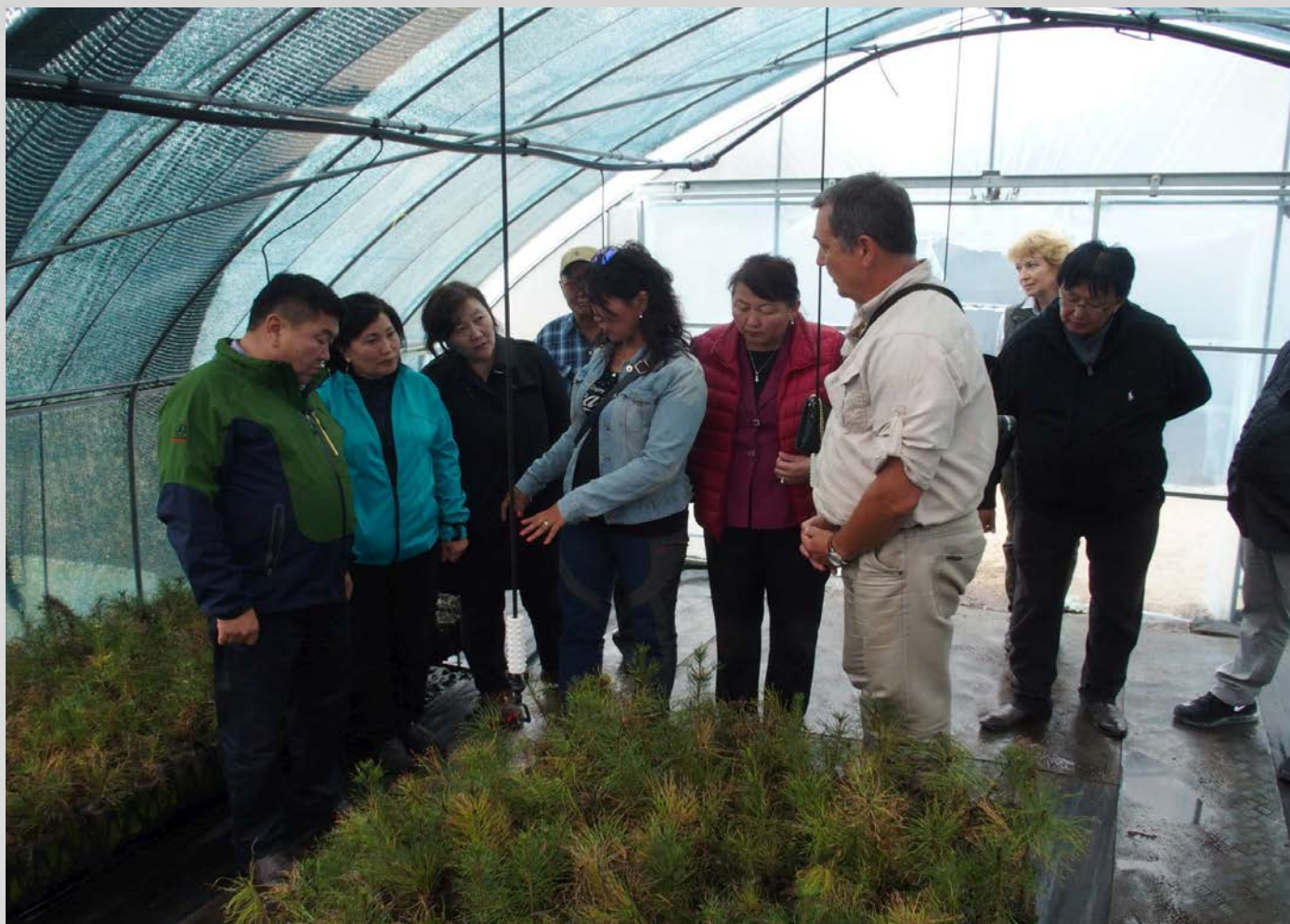
The forest nursery - Autumn 2016





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The forest nursery - Autumn 2016





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The forest nursery - Autumn 2016





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Preparation for aforestation Spring 2017



Disc trencher from the Czech Republic

Mendelova
univerzita
v Brně

Školní lesní podnik
Masarykův les
Křtiny



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Preparation for aforestation Spring 2017





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Aforestation - Spring 2017





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Aforestation - Spring 2017





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FAO & Association of foresters Summer 2017



**Forest machinery from
the Czech Republic - Bystron company**



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Meetings & Workshops Summer and Autumn 2017



Public relations



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The forest nursery - Winter 2017





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Thank you for your attention...

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***First international project of FMI
was NFI in Mongolia in 1956...***