

- High proportion action and problem based learning;
- Adequate mix of theory and practice with significant time used in Forest Operation Chains under realistic business conditions;
- Participation of key persons from Forest Companies, Authorities and Forest Machine Industries in lectures, workshops and seminars and as hosts for project work.

In-service training on FOPC and FRAP

Forest Business would be in great demand for qualified in-service training on different topics in FOPC and FRAP. This competence building is mostly envisaged to be done as targeted short courses with duration of 1–5 days.

Topics in continued education could be specific, as listed below, or grouped together for broader themes:

- Organization and management strategies for enterprises in the Forest and Road Operation Chain;
- Operational planning and control systems for the Forest Operation Chain at enterprise level;
- Operational planning and control systems for the Forest Operation Chain at district and regional levels;
- Systems Analysis to design logging and silviculture systems;
- Use of technical and economic calculation tools to optimize Forest road density and standard;
- Calculations of productivity and operating cost for logging, silviculture and logistic systems and resources;
- Technical measurement and control methods of road bearing capacity;
- Forest and Road data bases combined with digital chains from Forest road, tract and road-side landing to industry wood-yard using GIS and GPS technology;
- Advanced forest inventory technologies and methods connected to the digital chain.

1.6. Partners in the OPLWSO & AFRFRN projects

The activities of OPLWSO & AFRFRN projects have been carried out in close cooperation between:

- Syktyvkar Forest Institute (main Russian AFRFRN partner);
- St. Petersburg State Forest Technical Academy (main Russian OPLWSO partner);
- Swedish University of Agricultural Sciences, School for Forest Engineers, main Swedish partner in two projects OPLWSO & AFRFRN;

- Moscow State Forestry University;
- Archangelsk State Technical University;
- Lisino Forestry College.

Acknowledgement

Special thanks are directed to:

OJSC «Mondi Syktyvkar»,

JSC «Ezhvadorstory»,

Komi Regional Foundation «Silver Taiga»,

Ministry of Industry and Energy of the Komi Republic,

Harvester's Union of the Komi republic,

Road Agency of the Komi Republic,

Pskov Model Forest.

We really appreciate Sida for financial support in the project. The content of the project not necessarily reflects views of the Agency.

With their support the projects gained valuable knowledge on the conditions and possibilities for the development of modern and advanced operation and steering systems used in the Forest Operation Chain.

The project group, with representatives for all partners, has agreed with full consensus on the principles and recommendations given in this document.

E-mail addresses for contact persons in Russia and Sweden

Accessibility of Forest Resources and Forest Road Network

Syktyvkar Forest Institute

Natalia Sedusova, indep@sfi.komi.com

Moscow State Forestry University

Vladimir Larionov, transportesa@mail.ru

Swedish University of Agricultural Sciences

Jan Martinsson, Utbildningskogfarna@telia.com

Operational Planning of Logging and Wood Supply Operations

St Petersburg State Technical Forestry Academy

Evgeny Kuznetsov, evg_kuznetsov@mail.ru

Swedish University of Agricultural Sciences

Sven Lundell, Sven.Lundell@gmail.com

RSFSCP Block III Co-ordinator

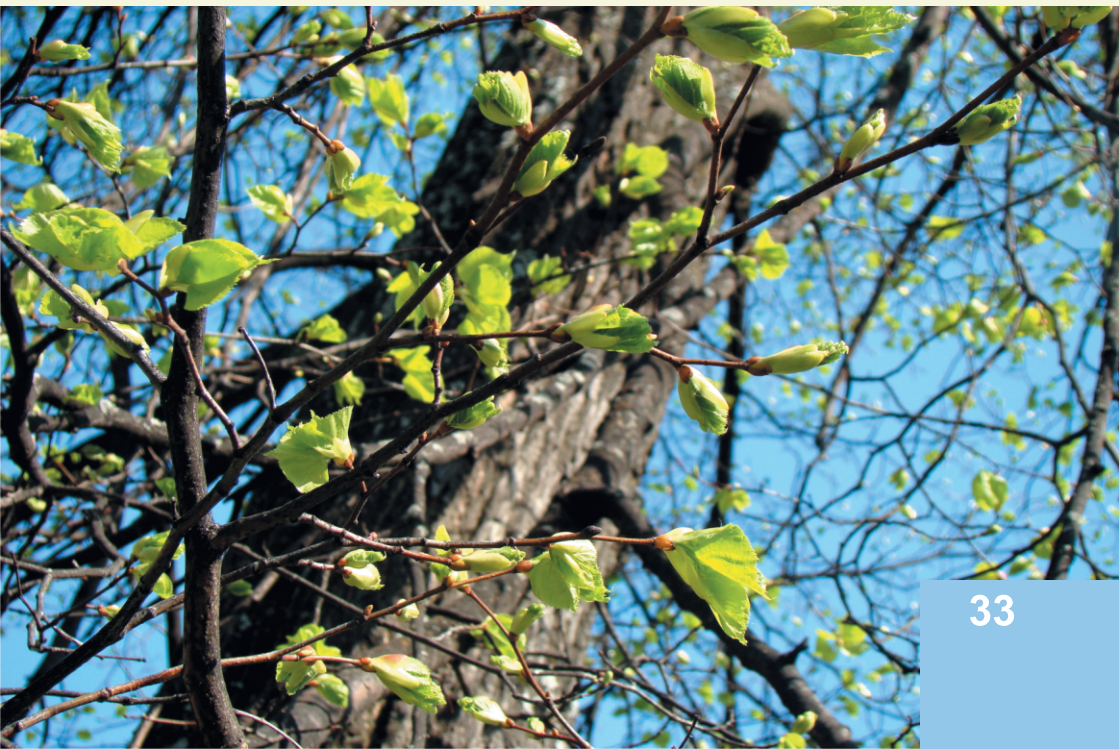
Swedish University of Agricultural Sciences

Esbjörn Andersson, Esbjorn.Andersson@smsl.slu.se

RSFSCP Co-ordinator

Swedish Forest Agency

Per Hazell, Per.Hazell@skogsstyrelsen.se



**Working group photo.
Bortom-Baza, July 2009**



Working group picture. See page 22. People on the photo:

The 1st row

Lyudmila N. Karlova –
SFI, manager of the International office

Irina Y. Kiseleva –
Lisino college, lecturer

Natalia M. Sedusova –
SFI, the Head of the International office

Valentina V. Zhideleva –
SFI, Director, professor, DSc in Economics

Lyudmila M. Pakhuchaya –
SFI, senior lecturer, Forestry department

Irina V. Levina –
SFI, the Head of the department of Timber
Industry Economics, PhD in Economics

Lyubov Y. Gromskaya –
Saint Petersburg State Forest Technical
Academy , principal engineer of the laboratory
of CAD and GIS, Overland wood hauling
department

The 2nd row

Vladimir Y. Larionov –
Moscow State Forestry University, forest
transportation department, professor,
PhD in Technical Sciences

Taras V. Kovalenko –
Saint Petersburg State Forest Technical
Academy, Associate professor of Overland wood
hauling department, PhD in Technical Sciences

Kapitolina E. Vays –
SFI, senior lecturer of Road, Industrial and civil
construction engineering department

Iwan Wästerlund –
SLU, Professor in Forest Technology

Evgeny N. Kuznetsov –
Saint Petersburg State Forest Technical
Academy , Executive Director of the
International Forestry and Forest Industry
Centre, Associate professor of the forestry
department

Mikhail P. Kelesh –
Saint-Petersburg, Forest engineer

Pavel V. Bezverkhov –
Saint-Petersburg, Individual entrepreneur, forest
engineer

Dmitry Kuznetsov –
Saint-Petersburg, «Lenobleskhoz», forest
engineer

Jan Martinsson –
SLU, Accessibility of Forest Resources and
Forest Road Network Course Director

The 3d row

Vladimir V. Bobrov –
SFI, senior lecturer of Road, Industrial and civil
construction engineering department

Sven Lundell –
SLU, Operational Planning of Logging and Wood
Supply Operations Course Director

Vladimir S. Slabikov –
SFI, the Head of Road, Industrial and civil
construction engineering department, Associate
professor, PhD in Economics

Vasily M. Derbin –
Archangelsk State Technical University, the Head
of the department of Timber processing complex
production technology, Associate professor,
PhD in Technical Sciences

Vladimir F. Svoynkin –
SFI, the Head of Forestry Machines and
Equipment department, Associate professor,
PhD in Technical Sciences

Vladimir A. Noskov –
Institute of social-economic and energy problems
in the North, Syktyvkar

Vladimir V. Pakhuchy –
SFI, the Head of forestry department, professor,
DSc in Agriculture