

INTRODUCTION OF KURU INSTITUTE OF FORESTRY

AND THE BASIC INFORMATION
ABOUT FINNISH FOREST MACHINE
OPERATOR EDUCATION



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Kuru Institute of Forestry





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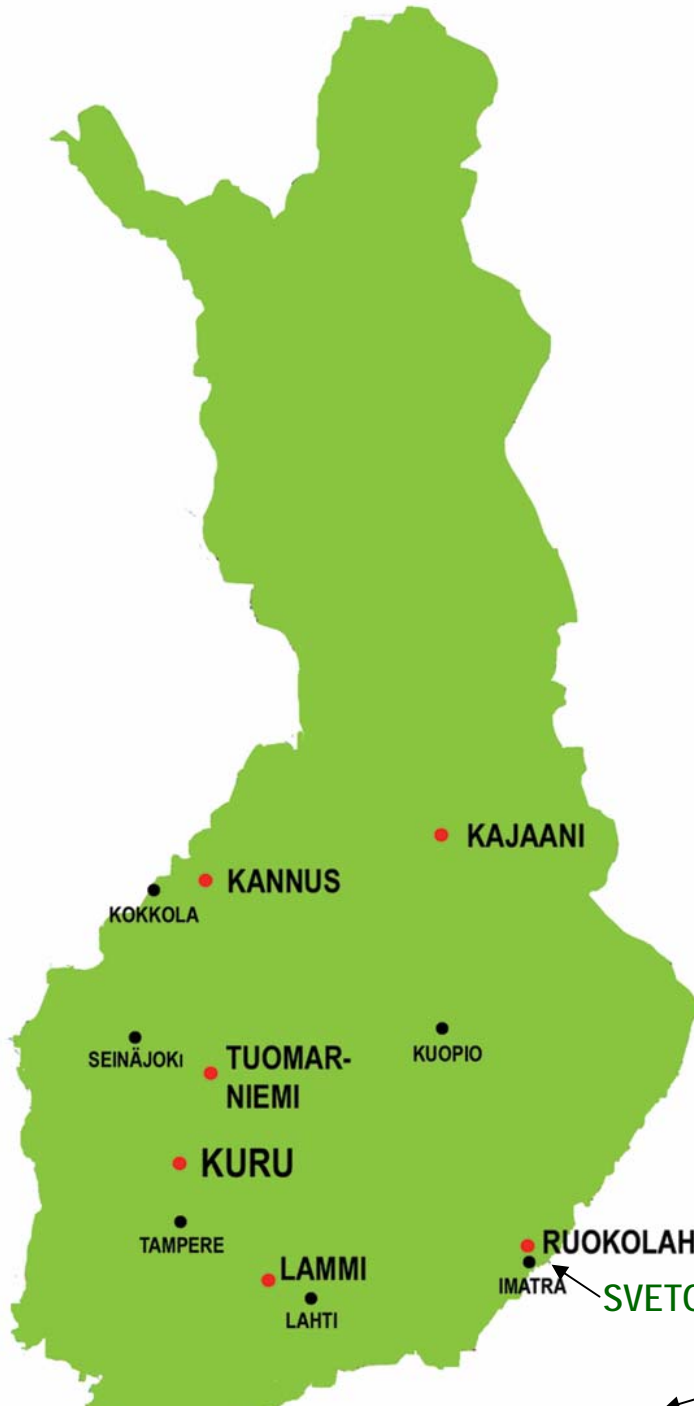


FACTS ABOUT KURU INSTITUTE OF FORESTRY

- PART OF TAMPERE COLLEGE
- 65 STAFF MEMBERS, ABT 500 STUDENTS
- COURSES ALSO IN ENGLISH AND SPANISH
- MAINLY A FOREST MACHINE SCHOOL
- TRAINING UNIT IN RUSSIA



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SWEDEN

RUSSIA

St. Petersburg
Office

SVETOGORSK

IMATRA

RUOKOLAHTI

LAMMI

LAHTI

TAMPERE

KURU

TUOMAR-NIEMI

KUOPIO

SEINÄJOKI

KANNUS

KAJAANI

STUDENTS

- BASIC EDUCATION STUDENTS 200
 - STUDENTS IN 4 DIFFERENT PLACES IN FINLAND
- ADULT STUDENTS 100
- SHORT COURSE STUDENTS 100
- INTERNATIONAL SHORT COURSE STUDENTS 100



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BASIC FORESTRY EDUCATION

- FOREST MACHINE OPERATOR / LOGGING TRUCK DRIVER, 3 years
- FOREST MACHINE OPERATOR (for adults), 1 year
- COURSES IN FINNISH



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INTERNATIONAL FOREST MACHINE OPERATOR COURSES IN ENGLISH

- **LENGTH OF THE COURSES FROM 12 TO 16 WEEKS**
- **NEXT TWO COURSES IN FINLAND**
- **Apply now! The deadline for applications for 12 weeks Spring course is December 19th, 2005.**



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CONTENT OF THE NEXT INTERNATIONAL FOREST MACHINE OPERATOR COURSE

- **1 week basic Finnish forestry, timber qualities and assortments.**
- **1 week basic machine instruction using actual machines and simulator.**



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CONTENT OF THE NEXT INTERNATIONAL FOREST MACHINE OPERATOR COURSE ...continues

- **2 weeks basic maintenance and repair procedures.**
- **8 weeks timber harvesting and timber extraction.**
- **See more at www.tpu.fi/kmo/**



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ONGOING PROJECTS 2005

- INTEGRATED EUROPEAN FOREST HARVESTING RESOURCE (Leonardo)
- NETWORK OF FOREST SCHOOLS IN EUROPE
- DEVELOPMENT OF DISTANCE LEARNING
- DEVELOPMENT OF ON THE JOB LEARNING
- DEVELOPMENT OF RURAL TOURISM IN KARELIA (Tacis)



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SHORT COURSES

- LOGHOUSE BUILDING
- ANCIENT HANDSKILLS
- WILDERNESS GUIDES COURSE IN ENGLISH
- FOREST NATURE MANAGEMENT
- WOODEN HOUSE CONSTRUCTION



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FOREST INDUSTRY IN LAT. AMERICA AND IN RUSSIA

- MANUAL CUTTINGS
- STRONG INVESTMENTS RECENTLY
- NO OFFICIAL FOREST MACHINE EDUCATION SYSTEM
- FOREST MACHINE SUPPLIERS ENTERING THE MARKET PLACE



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TRAINING UNIT OF KIF IN RUSSIA

- REASON FOR ESTABLISHMENT WAS TO BE PRESENT IN FAST DEVELOPING MARKET
- CUSTOMERS PRIVATE COMPANIES
- DEVELOPMENT WORK WITH LOCAL COLLEGES
- DEVELOPMENT WORK WITH LOCAL AND STATE AUTHORITIES



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TRAINING UNIT OF KIF IN RUSSIA ...continues

- IN THE BEGINNING TRAINING OF OWN STUFF (ABT 20 NOW)
- OWN TRAINING EQUIPMENTS (TWO MACHINE CHAINS)
- INDEPENDENT ECONOMY
- LOCAL MANAGEMENT SUPPORTED FROM KIF



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TRAINING UNIT OF KIF IN RUSSIA continues

- WEAKNESSES
 1. NO OWN TRAINING FORESTS, BUT COMMERCIAL AGREEMENTS
 2. COMBINATION OF COMMERCIAL LOGGING COMPANY AND A TRAINING UNIT
 3. NO FINANCIAL SUPPORT FROM THE STATE



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FOREST MACHINE OPERATOR TRAINING IN CHILE, VISION

- TRAINING SHOULD BE PLANNED AND ORGANIZED IN CO OPERATION BETWEEN THE PARTIES
- TRAINING SHOULD BE BASED ON GIVEN LOGGING AREA
- TRAINERS TRAINING IMPORTANT IN THE BEGINNING



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FOREST MACHINE OPERATOR TRAINING IN CHILE, VISION ...continues

- RATHER SHORT COURSES IN THE BEGINNING
- CO OPERATION WITH STATE EDUCATION AUTHORITIES IMPORTANT
- FLEXIBLE WAY OF WORKING IE. NO NEEDS TO BUILD WALLS BUT NETWORKS



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ONE MONTH SHORT COURSE, AN EXAMPLE

- DESCRIPTION OF THE COURSE
- BASIC LEVEL COURSE OF HARVESTERS AND FORWARDERS
- TWO SEPARATE PARTS
 - BASIC THEORY PART
 - PRACTICE IN THE FOREST WITH THE MACHINES



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ONE MONTH SHORT COURSE, AN EXAMPLE

BASIC THEORY, 70 HOURS

- MEASUREMENT DEVICES AND COMPUTERS 20h
 - MACHINE STRUCTURE AND COMPONENTS 10h
 - HYDRAULICS AND ELECTRICS 20h
 - CONTROLS, DRIVING A MACHINE
AND WORK SAFETY 10h
 - WORKING TECHNIQUES 10h
 - DEPENDING ON THE BACKGROUNDS OF THE
PARTICIPANTES, ALSO ENVIRONMENTAL ISSUES,
TIMBER QUALITY ETC.
-

ONE MONTH SHORT COURSE, AN EXAMPLE

PRACTICE IN THE FOREST

- REAL TIMBER HARVESTING
 - EXAMPLE: 1 HARVESTER, 1 FORWARDER
- 15 DAYS, 2 SHIFTS (á 8 HOURS)
- 8 STUDENTS, 2 TEACHERS (4+1 IN A SHIFT)
 - THE PARTICIPANTES PERFORM THE BASIC
MAINTENANCE FOR THE MACHINES
-

ONE MONTH SHORT COURSE, AN EXAMPLE

OBJECTIVES

- AFTER THE COURSE THE PARTICIPANTES
 - UNDERSTAND THE STRUCTURE OF THE MACHINE AND ITS FUNCTIONS
 - CAN DO THE BASIC MAINTENANCE AND SOME LESS DEMANDING REPAIRS ON THE MACHINES
 - CAN PRODUCE TIMBER SAFELY AND INDEPENDENTLY TAKING THE ENVIRONMENT AND THE QUALITY OF TIMBER IN CONSIDERATION
 - KNOW THE BASICS OF MEASUREMENT DEVICES AND COMPUTER PROGRAMS
-

A COURSE OF THREE MONTHS IN COMPARISON TO ONE MONTH COURSE

- POSSIBLE TO TRIPLE THE AMOUNT OF MACHINE THEORY
 - MORE TIME FOR THEORY LESSONS IN THE FOREST
 - DEEPER MACHINE KNOWLEDGE
 - MORE MACHINE HOURS FOR THE STUDENTS
 - BETTER CAPACITY FOR WORK LIFE THAN AFTER THE ONE MONTH COURSE
 - MORE TIME AND CHANCES TO PROVIDE PERSONAL ATTENTION AND GUIDANCE FOR THE PARTICIPANTES
-

THE MAIN SCHOOL



WORKING WITH A CLEARING SAW



PRACTISING THE TREE FELLING



REAL WORK IN THE FOREST



PLANTING IN THE SPRING



PRACTISING THE FORWARDER DRIVING



TIMBER FELLING WITH A HARVESTER



SCHOOL'S TIMBER TRUCK



LOGHOUSE BUILDING



THE SCHOOL'S SAWMILL



WILDERNESS GUIDES IN RUSSIA



LEARNING THE OLD TRADITIONS BY MAKING A FENCE



THE ANCIENT HANDSKILLS COURSE



KURU INSTITUTE OF FORESTRY IS READY TO START TRAINING OPERATIONS IN CHILE!



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