



CONTENTS

INTRODUCTION 8

CHAPTER 1. RESULTS OF RESEARCH EDUCATIONAL PROJECTS 24

- 1.1. Applicability of the projects. Market driven Forest and Road Operations 24
- 1.2. Strategic focus in OPLWSO & AFRFRN 25
- 1.3. Content of the study courses 28
- 1.4. Projects' results 30
- 1.5. Implementation of the study courses in higher professional education and in-service training 30
- 1.6. Partners in OPLWSO & AFRFRN projects 31

CHAPTER 2. ARTICLES IN FOREST ROADS NETWORK DEVELOPMENT AND OPERATIONAL PLANNING ISSUES 36

- 2.1. Organizational and legal, economical aspects of forest roads network development 36
- 2.2. Technological peculiarities used at the test road 50
- 2.3. Peculiarities of forest roads construction 56
- 2.4. Forest roads network projecting 70
- 2.5. Rational organization of timber hauling while mastering the annual timber cutting fund by a timber harvesting company 81
- 2.6. Accessibility of forest resources at forest sites 92
- 2.7. Forest roads construction, reconstruction and its influence on economically accessible forest resources increase 97
- 2.8. New method of defining compartment borders and cruising of forest sites, as the basic principle in operational planning 102
- 2.9. Biodiversity conservation while forest roads network development 113

AFTERWORD 126

BIBLIOGRAPHY 128