

Table of Contents

Part I Background Report

Introduction	13
Chapter 1. Finland in Brief.....	15
1.1. History	16
1.2. Finland today.....	19
Chapter 2. Education System and Policy.....	35
2.1. The Finnish education system.....	36
2.2. Higher education	41
2.3. Vocational education and training.....	44
2.4. Lifelong learning in Finland	45
Chapter 3. The Polytechnic Reform Process.....	49
3.1. Background to the reform	50
3.2. Goals and methods of the reform	50
3.3. From experiment to establishment	51
3.4. Polytechnic support programme	53
Chapter 4. The Polytechnic System	55
4.1. The polytechnic network and educational provision.....	56
4.2. Polytechnic administration and maintenance	61
4.3. Steering and funding.....	63
4.4. Quality assurance and evaluation.....	67
4.5. Monitoring and evaluation database (AMKOTA)	69
Chapter 5. Outcomes of the Polytechnic Reform	71
5.1. Degree structure and degree programmes	72
5.2. Students	76
5.3. Lifelong learning and adult education.....	90
5.4. Teachers and other staff.....	99
5.5. Development of teaching and learning.....	102
5.6. Library and information services	106

Chapter 6. Regional Role of the Polytechnics	109
6.1. Regional impact	110
6.2. Contacts with working life	116
6.3. R&D at polytechnics	119
Chapter 7. Development Trends and Challenges	121
7.1. Globalisation: how to enhance the competitiveness of Finnish higher education	122
7.2. Development of institutions of higher education as centres of innovation	123
7.3. Response to the future needs of the labour market	125
7.4. Structure of the higher education system	126
7.5. Legislation.....	129

Part II Examiners' Report

Executive Summary	133
Chapter 8. Introduction	137
8.1. The context of this review	139
8.2. The focus of the review.....	140
8.3. The structure of this report.....	140
Chapter 9. Polytechnics in Context	141
9.1. Polytechnics in Finland: the historical context.....	142
9.2. Finland in international context	144
9.3. Expanding tertiary education – developments elsewhere.....	146
9.4. Labour market and other economic considerations.....	147
9.5. Internationalisation.....	150
Chapter 10. The AMKs: an Assessment of the Reforms to Date	153
10.1. A distinctive sector in higher education	155
10.2. Quality and acceptance of the sector.....	156
10.3. Meeting student needs.....	158
10.4. Links with local and regional communities.....	160
10.5. The polytechnics' role in R&D	161
10.6. An overview of the reforms to date	162
10.7. Summary and recommendations.....	162

Chapter 11. The Future Scale and Structure of the Higher Education System	165
11.1. The future scale of the higher education system	166
11.2. The future structure of the higher education system	169
11.3. The number of polytechnics	172
11.4. Summary and recommendations.....	173
Chapter 12. Key Elements of Policy for the Polytechnic Sector	175
12.1. Governance and ownership in the polytechnic sector.....	176
12.2. Steering and funding of the polytechnic sector	181
12.3. Relationships with working life.....	190
12.4. Internationalisation, globalisation and international competitiveness of Finnish higher education	198
12.5. Staffing	207
12.6. Legislation and other instruments of policy.....	211
Chapter 13. Contingencies, Risks and Threats	215
13.1. Individual mobility in higher education.....	216
13.2. Postgraduate qualifications in AMKs.....	218
13.3. Lifelong learning	220
13.4. Upper secondary vocational education.....	222
13.5. Financial sustainability.....	222
13.6. Continued monitoring of the system.....	224
13.7. Summary and recommendations.....	225
Bibliography	227
List of Boxes	
10.1. Some data on dropout	159
11.1. Student number targets	166
12.1. Enrolment of foreign students in Finland	200
12.2. Student exchanges in Finland.....	201
12.3. Staff exchanges in Finnish higher education.....	203
List of Tables	
1.1. Population by age group, end 1999	20
1.2. GDP trend	23
1.3. Volume index for industrial production (1995 = 100).....	24
1.4. Goods exports by sector	26
1.5. Foreign trade 1995-2000.....	27
1.6. Educational structure of the employed by age, 1997.....	28
1.7. Monthly earnings by level of education and age, 1998	29
1.8. Unemployment 1990-2000	30
4.1. Trends in new study places, 1998-2001	59