Kajaani University Consortium
ANNUAL REPORT 2005
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COVER PICTURES

Wireless transmission of data.

Donning the statue of Elias Lönnrot with a student’s cap has been a long tradition in Kajaani.

The first diploma conferment ceremony of the Kajaani University Consortium was celebrated on April 22, 2005.
The idea when founding the university consortiums was to gather the field of universities into more extensive units. The task formed was to collect the university activities located outside the actual university cities into innovative university consortiums which would cover the know-how and activities of several universities.

Administratively, the Kajaani University Consortium is a special institute of the University of Oulu, and a concentration of know-how formed by the university activities in Kainuu. In the University Consortium, co-operation is done with the Universities of Joensuu, Jyväskylä, Kuopio and Lapland, co-ordinated by the University of Oulu. As per the ordinance, the task of the Kajaani University Consortium is to raise the level of know-how in its area of operation and to promote its well-being, competitive skills and culture by means of university and customer based research, education and development. A special task of the Consortium is to support the trade and regional development of Kainuu and the District of Ylä-Savo, their innovative activities, as well as internationalisation.

232 persons were employed at the University Consortium. There were 942 students studying for a degree (basic and conversion educations together). The total finances of the departments of the Consortium exceeded 17 million €. Of this, the basic funding of the university covered 8.7 million €, the share of the communities in the region covered 1.35 million €, and funding from businesses covered 518 000 €. The share of the partially EU-funded projects was almost 6 million €.

A part of the funding of the Kajaani University Consortium is included in the decision in principle of the Council of State of Sep 23, 2002 which was taken in order to realise the plans concerning the innovation system of Kainuu, supporting the joint administration model of the Kainuu Region. The realisation of this so-called Perttunen model increased the funding for the University Consortium by almost 1 million € on the annual level.

The Kajaani University Consortium is one of the largest University Consortiums in Finland. Its characteristics are the extent of the degree studies and, on the other hand, the large and increasing share of the fields of technology and biological sciences. The departments and units within the University Consortium each have their own basic tasks. Administratively and for the funding, their positions differ. In Kajaani, there are the Department of Teacher Education, Continuing Education, and Lönnrot Institute at the main campus, and Measurement and Sensor Laboratory and the Department of Information Processing Science Kajaani Unit. The Laboratory of Biotechnology and the Physical Activity Master Programme in Sports Technology are located in Sotkamo and the University Advocate in Ylä-Savo.

The University Strategy of Kainuu is the common strategic foundation for the University Consortium and the Kajaani Polytechnic. The University Consortium aligned its own operating and financial strategy according to this strategy. The definitions of policy of the university strategy are included in the programmes of the Kainuu Region and Eastern Finland which are being prepared and they are written down in the result documents of the co-ordination and co-operation Universities.
KEY EVENTS IN 2005

Jan 10th  Teaching in the Master's Degree Programme in Cultural Industry started
Jan 19th  Theme day on Equal Practises in Education (WomenIT)
Feb 4th   Public defence of doctoral dissertation on multiculturalism
Feb 20th –28th  Events of the national week of Hungarian culture at the campus
Feb 22nd–24th  Finnish-Russian Conference on Optics PALS 05
March 2nd  Wireless Instrumentation seminar
Apr 9th   Visit and lecture at the Elias Day Celebration of Prime Minister
                      by Mr Matti Vanhanen
Apr 14th–15th  Working seminar of the University Consortiums in Vuokatti
Apr 15th   Research, product development and training meeting of the stone
                      branch at the Stone Center
Apr 22nd   The first Diploma Conferment Ceremony of the University Consortium
Apr 12th   Students' Union theme day
May 10th   Publication of the book Verkko-oplimisen työvälineitä
                      (Tools for Learning in the Net)
May 12th   Publication of the book Karjala Kainuussa (Karelia in Kainuu)
May 13th   Celebration of the Floora Day by Akava-Kainuu, University
                      Consortium and Kajaani Polytechnic
June 1st   Starting of the operation of the Senior Academy of Art and Culture
July 6th   Seminar on net and distance learning
Aug 1st    The 105th operating year of the Department of Teacher Education started
Aug 1st    Establishment of the professorship of Physical Education
Aug 23rd   Naming of the Intteri building
Sep 7th    Opening of study year 2005–2006
Sep 21st   Three decades of story telling sessions
Sep 30th   VASU seminar of Northern Finland
Oct 13th–14th  National event for the University Consortiums in Kajaani
Oct 10th   The Physical Activity Master's Degree Programme in Sports
                      Technology moved to Snowpolis
Oct 13th   Visit of Minister of Education, Mr Antti Kalliomäki and inauguration
Oct 18th   Visit of the Ambassador of Austria, Mr Lorenz Graf
Oct 7th    Visit and lecture of Metropolitan Panteleimon
Oct 26th–Nov 29th  Visit of the Japanese researcher group CREA
Nov 1st    Inauguration of the data retrieval portal Pohjanportti
Nov 3rd    Writer visit by Mr Jukka Laukkanen and Mr Vesa Löhönen within
                      the frame of the Lukuleikki campaign
Nov 18th–25th  Advance voting of the University administration elections in Kajaani
Nov 28th   Visit of the Deputy Secretary of the Embassy of the USA,
                      Mr Chad S. Peterson
Nov 28th–29th  Women and Information Society Conference in the Parliament (WomenIT)
Dec 13th   Measurepolis day
Dec 16th   The early Immersion Course of Swedish received the European
                      Label for quality
Dec 16th   The Diploma Conferment Ceremony of the autumn
The second year of operation was very active at the Kajaani University Consortium. Kajaani acted as the host for the national event for University Consortiums and well over a hundred representatives of University Consortiums and of communal and governmental administration participated in the event. The co-operation between the University Consortiums has begun well and the mission of regional effectiveness has been successful in the setting of targets. The university strategy of Kainuu brought new dimensions to the operations and it will further promote the chances of co-operation in the region, including the District of Ylä-Savo.

The polytechnics and universities in Finland are in a difficult situation, since the principles on the structural reformation are rather unclear. The University Consortiums also suffer of the situation, as there are doubts about the co-operation of different units. The compressing of the university system requires a very analytical approach, and it may be that the dual model will prove to be a problem, particularly in connection with the degree reformation done as per the Bologna treaty. The crucial work for the degree reformation was completed in 2005, especially for the teacher education. Would this be the time to emphasize the aims of the education more, instead of the structures, since co-operation will offer more concrete results?

The University Consortiums must also use their influence to ensure that the task of the universities in the basic research is not put in danger. In creating the regional centres, as well as in other co-operation, this fact must be kept in mind. Hopefully, the field of universities will quickly become clearer; and new administrative practises are obtained to improve the co-operation between units and universities and to tone down the weaknesses of the present ‘control by results’ model. It might also be time for us in Finland to have a science minister.

Three temporary jobs have been made permanent at the University Consortium. One of the hindrances in long-span work in the universities is still the fixed-term work. The stabilisation of the financial situation during the operational year improved the situation compared to the previous year.

The chosen research and educational fields have supported the strategic planning of the region and a basis for future development has been created together with the co-operation universities. The second year of operation was crucial in this respect, since the aim was to sketch the new operating and financial plan for years 2007-2009. The operation is still heavily dependent on the funding received outside the university budget. The importance of the funding from the European Union will still grow in the coming years in the Eastern Finland. We have tried to take this into consideration in the strategic plans made in 2005 so that the operations can be stabilised in the fields promoting employment.

We have found the basic profile of the Consortium, and the co-operation universities have obtained concrete foundations for the development work done in Kainuu and in the District of Ylä-Savo.

Director of the Kajaani University Consortium
Juhani Suortti
Research activities of the Kajaani University Consortium were strengthened in all key areas defined by the regional government, specifically in measurement techniques, information processing science and sports technology. With the beginning of the Master Programme in Cultural Industry, the Faculty of Education added a third line of study in the major subjects of the Kajaani Department of Teacher Education: education, especially cultural pedagogy. The research in physical education will be intensified thanks to the professorship established on August 1st, 2005.

In the study of early childhood education, internationality was emphasised. The research done in Kajaani on the plotted learning in early childhood education was the object of visit for the Japanese research group CREA (Clinical Research on Education Activities), among others. The participants of the research group are professors and researchers of the Pedagogical University of Hokkaido and University of Tsuru.

In the biosensor research of human physiology, concerning the biomeasurement technology, the Laboratory of Biotechnology created a research network with the Measurement and Sensor Laboratory, VTT Tampere (Technical Research Centre of Finland) and the University of Cranfield (Great Britain). The Lönnrot Institute acted as a co-ordinator, among other things, in evaluating the Target I programme on the theme promoting know-how and networking. The paediatric ward of the University Hospital of Oulu participated in the research on allergies. The research co-operation is done with five foreign research institutes.

The first professorship for the Measurement and Sensor Laboratory was received in donation from the local operators; the first holder of office is Mr Anssi Mäkynen, Doctor of Technology. The research concentrated on the improvement of basic skills, in the Measurepolis programme and funded by the PETO project, as well as on the partnership projects executed in co-operation with companies. The main directions of the research are the measurements of paper and pulp industries as well as those of mechanical wood industries. A research group working on the wireless instrumentation has been built for five years in co-operation with VTT. The most recent fields of the sports technological measurement technologies are the studies on environment measurement technologies.

In the Department of Information Processing Science Kajaani Unit, the object of research is software business: creating new business from the regional point of view and productisation, selling and marketing. The object of the usability laboratory will be modelling and analysis of the process reforms based on communications technology. The sports technological education of the University of Jyväskylä started a post graduate school on biology of physical activity in Vuokatti. The target of this VUODOC project is to make 5 to 7 doctors in Physical Education in the next five years.
3 EDUCATION

Master’s or Graduate Engineer’s Degree in Kajaani

The Departments offering degree education at the Kajaani University Consortium all belong to the Faculty of their own fields: the Physical Activity Master Programme in Sports Technology to the Faculty of Sport and Health Sciences of the University of Jyväskylä, Department of Teacher Education to the Faculty of Education of the University of Oulu, and the Department of Information Processing Science to the Faculty of Science in Oulu.

At the Kajaani University Consortium, you can take the degree of Master of Education or Master of Philosophy in the basic education: the qualification of a primary school teacher, early childhood education (nursery school teacher), subject teacher in physical education, Swedish for immersion course and subject teacher, and subject teacher in mathematics. Also, as conversion training, Master’s degree in art education (Virt@), cultural industry, as well as in Russian culture and language are available.

In the Information Processing Science, you can take the degree of Master of Philosophy in software production or software business; as conversion training, also digital media, software production and mobile services are available. In addition to these, the University Consortium also offers the degree of Graduate Engineer in Electrical Engineering (DIKO) at the Measurement and Sensor Laboratory, and conversion training under the guidance of the University of Jyväskylä in Sports Technology.

Post Graduate Education at the Kajaani Campus

The need for scientific post graduate education has been identified in Kajaani as early as in the 1990’s. In the Department of Teacher Education, it has been carried out for several years. The preparation for regional post graduate education was started in the development strategy for the Kajaani University Consortium units at the beginning of 2002, and the operations started in the autumn. A steering group, consisting of the heads of the different departments and researchers, is responsible for the development of the post graduate study programme.

At the Kajaani University Consortium, there were 942 degree students in all, taking the basic and conversion education into account; 139 of them were taking different kinds of Master’s degrees. About 60 post graduate students studied at the University Consortium. 102 Master’s degrees were taken and 2 doctor’s degrees. When calculated into whole study years, 128 student’s study years were taken in the open university studies. 2055 students participated in the 47 updating courses of Continuing Education.
4 REPORTS ON DEPARTMENTS

4.1 Kajaani Department of Teacher Education

Development of Teacher Education into the 2010’s

The new opening in education of the Department of Teacher Education in its 105th year of operation was the start of the Master Programme in Cultural Industry. The teaching started in January 2005. The new opening in offices was the establishment of a professorship in Physical Education which creates new co-operation possibilities in both research and education. The Faculty of Education also made a decision of establishing a professorship in Special Education in Kajaani.

The experiment on teacher education in the mathematical subjects also continued in co-operation with the Faculty of Science by a second year of admittances. Co-operation in minor subjects was developed with the Faculties of Humanities, Sciences and Technology. The Swedish language immersion course training, which has continued for eight years in partnership with the University of Vaasa, received recognition, when the early childhood education immersion teaching in Vaasa received the European Label for quality.

The early childhood education training of the Department of Teacher Education in Kajaani especially concentrates on the training of teachers for children between 4 and 8 years of age; the co-operation project ‘Kainuun lapsi’ (The Child of Kainuu) with the city of Kajaani and several municipalities in the region of Kainuu is connected to this. The education experiment on the Russian language and culture and the Virt@ training continued as planned. There were two public defences of doctoral dissertations at the Department of Teacher Education.

The Activities of Teacher Training School Focus on Cultural Pedagogy

The Kajaani Teacher Training School operates in connection with the Department of Teacher Education in Kajaani; it consists of pre-school education and classes 1 to 6 of the basic education. The operation of the Teacher Training School rests on the research and development work of the University. As a network-building study and training centre, the school co-operates with field schools in order to develop the skills for working life.

The activities and celebrations of the Teacher Training School are focused on cultural pedagogy. Different kinds of projects, such as the children’s opera “Kerjäläiset” (The Beggars), executed in co-operation with the Finnish National Opera, the puppet show “Karibian aarre” (The Treasure of The Caribbean), class-specific reading diplomas, and the exhibition of handicraft works, show the student the meaning of creative culture in the operations of a school.

You can slide downhill at the campus, too.
4.2 Laboratory of Biotechnology

The Laboratory of Biotechnology continued the drafting of a quality control system. The activities concentrated on four sectors: 1. Strengthening the biotechnological skills on wild berries, 2. Strengthening the biotechnological skills on food stuffs and milk, 3. Strengthening the skills in biomeasurements, and 4. Development of operations of transfer of technology, innovations and business services.

Co-operation with the University of Kuopio continued in the form of education and planning of the Master’s degree education as well as in projects. The national centre of expertise operation in the field of food stuffs (ELO) has actively continued in the project ELOa kainuulaiseen yrittäjyyteen 2004–2006 (Life to the Entrepreneurship in Kainuu 2004-2006) together with businesses, and training has been offered to about twenty entrepreneurs in different substance fields. The project on the use of the milk protein, beta-lactoglobulin, as protection and carrier for the biologically active medicines and nutrients, in co-operation with the Department of Pharmacy of the University of Helsinki, the Institute of Biotechnology, and the Department of Pathology of the University of Oulu has continued.

In the project Erikoiskasvit peltoviljelyyn (Special Plants for Field Cultivation), four products were developed in co-operation with businesses. The laboratory has participated actively in seven regional research and development projects. In connection with the Peltoenergia (Energy Crops) project, training was offered to about 60 entrepreneurs in Kainuu and the District of Iisalmi. In the framework of two projects, co-operation has been done with 6 foreign research institutes on berry research. The laboratory has had several business-originated studies, which have been paid for; connected to the product development of food industry. The laboratory has participated actively in the Snowpolis operating environment and its development.
4.3 Measurement and Sensor Laboratory

The most important increase in the funding of the Measurement and Sensor Laboratory (MILA) came from the Measurepolis programme, extended at the beginning of the year, as well as from the additional funding from the establishment of the professorship. The ways of operating at the MILA were reformed by a team-based model. The research process of the laboratory is divided into five research groups which function even more independently than before within their own sectors, exploiting the know-how of the whole personnel. The team work started well and it has proved to be effective in its very first year.

One important task of the measurement technology field of skills in the Centre of Expertise of Kainuu, Measurepolis-Kajaani, is to make Kajaani better known as a place where the standard of measurement technology is high. MILA is heavily involved in the marketing. In the autumn, Tekes (Finnish Funding Agency for Technology and Innovation) granted funds for a project of commercialization of research results, with the purpose of increasing concrete commercialization activities during the next two years.

In the In-Line Pulp laboratory you can test measurement devices for the paper and pulp industry.

The log sample measured in the Plommi project and measurements done on its cross-section surface.
4.4 Continuing Education

In continuing education, the updating training of early childhood education training, primary education and basic education were emphasised, as well as open university education and development of working communities. The project Hyvien työyhteisöjen Kainuu – TYKES (Workplace development programme) started in co-operation with the municipal federation of the Kainuu Region. A two-year advanced study course of crisis and trauma work (20 study weeks) was also started in Kajaani; it was planned with the product development funding from the Ministry of Education.

The operation of the project WomenIT 2001–2005, administered and co-ordinated by the University Consortium, continued. The main aim of this development, training and research project, funded by the European Social Fund (ESF), Equal Community Initiative, is to support the career choice of girls and women in the fields of technology and industry and to promote the IT, industrial and other technological sectors suffering from lack of employees as well as of staff skilled in product development and engineering. The project develops the structures of the labour market and is effective regionally.

47 training courses were organised; 39 of these were long-term and 8 short-term courses. 290 training days were offered with 2055 participants; 1919 teaching hours and 12 man-years. In adult education, the increase of long-term training courses was emphasised. 8 publications appeared.

4.5 Department of Information Processing Science Kajaani Unit

As its main task, the Department of Information Processing Science Kajaani Unit offers the basic degree education in information processing science. The orientation alternatives in Kajaani are software production and software business; the master’s degree programmes of software production and mobile services continue. In the autumn, in the second year, 40 students started studying for the Master’s degree in the renovated facilities of Linna. The first Masters of Philosophy in Information Processing Science graduated.

The project operations of the CreaToI project laboratory project could be started in the autumn, when the funding was confirmed. The project is divided into three sub-projects: 1) creating new business from the regional point of view, 2) making into products, selling and marketing, and 3) usability laboratory. At Linna of the Kajaani Unit, a learning environment based on project learning and entrepreneur-like operations as well as a usability laboratory were built.

The future of the Department of Information Processing Science Kajaani Unit was marked out in the University strategy of Kainuu for years 2006–2010 by setting the primary targets: stabilisation of the Master’s degree education and confirmation of the financial basis, extending the research activities, and co-operation with the Kajaani Polytechnic.
4.6 Sports Technology Education

The education programme Vuotech started as cross-discipline conversion training in partnership between the University of Jyväskylä and the Measurement and Sensor Laboratory in the facilities of the Vuokatti Sports Institute. In the autumn, the training transferred to the new facilities of Snowpolis where, in addition to the teaching and office space, the study programme of Sports Technology has laboratory facilities for teaching and research.

The students accepted for the training should have the basic education of 80 study weeks of studies suitable for the conversion training in technology or information technology at a University or at a Polytechnic. If necessary, the Measurement and Sensor Laboratory offers updating studies of 25 study weeks to complete the basic studies. The substance of the actual conversion training (80 study weeks) is based on the major subjects of the Department of Biology of Physical Activity of the University of Jyväskylä. The target is to produce 50 Master’s degrees in Physical Education during the next three years, with the major subject of biomechanics emphasising sports technology.

Three different allotments of students have entered the course; the latest ones in January 2005. At the moment, there are 55 students in the study programme, and their studies have proceeded as planned. 33 students are full-time students, and 22 are distance students, who do their studies on the side of their work, mainly during weekends.

The projects of Vuotech and Vuodoc aim at 1) producing professional skills in sports technology in the Region of Kainuu and in the Province of Oulu, 2) developing business-based research work on sports technology in the environment of Snowpolis, and 3) creating permanent international research in the area. With these actions, a study programme doing systematic, business-based research will be created in Snowpolis; this will essentially promote the placing and creation of new sport and wellness technology branch businesses in the region.

4.7 Lönnrot Institute

The original task of the Lönnrot Institute (research of culture and north as well as co-operation in the east and cherishing the spiritual heritage of Elias Lönnrot) was extended at the beginning of the year by the research and development of region, evaluation, countryside and bioenergy. The important and extensive publication ‘Karjala Kainuussa’ (Karelia in Kainuu) appeared in research of culture and history.

The evaluation research completed the intermediate evaluation of LEADER+ programme and other evaluations, as well. Regional strategy processes and other research ordered by the ministries and regional development officials have been made, such as the studies on the effects of the administrative experiment of the Kainuu Region on the development of rural areas (PALMA project) and on the effects of the rural projects on youth.

The municipal strategy of Sodankylä 2005–2008 and the rural programme of the Northern Ostrobothnia are examples of consulting work.

In the extensive regional development project Kylässä (In the Village), a model for equal dialogue is built in Kainuu, by means of, for instance, village plans and education to activate the inhabitants to participate in the decision making. The DESERVE project improving the availability of services in the distant rural areas started six smaller projects in Kainuu and organised study trips abroad as well as working seminars. Partners are the Karelian Institute of the University of Joensuu, ProAgria and partners from Scotland, Sweden and Iceland. Tulpasilili and Pohjois-Pohjanmaan puupeletti projects promoted the use of wood energy. Lönnrot Institute participated in the DQE project supporting the product development of businesses.

A unique strength measurement device measures the forces directed to the ground by a skier.
4.8 Library

The confirmation of the financing decision for the new library facilities, the employment of a joint information specialist for the libraries, the new computer equipment for the public, and the lengthening to the opening hours were the most important reforms at the library of the University Consortium. The national Nelli and regional Pohjanportti portals gathering the electronic materials of the library together were taken into use. The books of the Measurement and Sensor Laboratory and the Beta project of Department of Information Processing Science are listed in the Oula database. A joint project planner for the libraries was employed for the co-operation development project between the Polytechnic and the University Consortium; the planner has planned and offered instruction in acquisition of information.

The new facilities for the library of the University Consortium and the learning centre were planned closely in a team with representation from the city and the University; the team left its report to the rector of the University of Oulu and to the mayor of Kajaani. The city of Kajaani handed in its project plan to the County Administrative Board of the Province of Oulu in June, and the University confirmed its engagement with the project in October. The Regional Board of Kainuu decided, in its meeting of Dec 5, to recommend the funding of the library building project; the target is to have the facilities completed by the end of June, 2007.

The improvement of the equipment at the library and the lengthening of the opening hours have considerably improved the students’ possibilities of working at the library. From the beginning of September, the library has been open from 4 till 6 pm on weekdays, and on Saturdays from 10 am till 2 pm. The acquisition of information has been taught for 110 hours in total to 750 participants. 19 101 local loans were given. 180 inter-library loans were received and 401 were given.

4.9 University Advocate Research and Innovation Manager

The District of Ylä-Savo also belongs to the operational area of the Kajaani University Consortium and we have a joint Research and Innovation Manager. The project of the Research and Innovation Manager started as a part of the regional centre programme of the District of Ylä-Savo on March 5, 2004. The operation of the Research and Innovation Manager is executed in co-operation between the Universities of Kuopio and Oulu. The actual workplace is in the facilities of the Savonia Polytechnic in Iisalmi. The purpose of the project is to deliver research information for the needs of the businesses in the area and to develop the operating environment in the District of Ylä-Savo.

Ylä-Savon Kehitys Oy, a development enterprise, has proved a central partner. Assignments are flowing in from the businesses of the area and from the region more than can be executed with the available resources. During industrial visits, discussions almost without exception led to an assignment. In the businesses in the District of Ylä-Savo, there are very many ideas which are being worked on or which are on the level of just ideas, which can exploit research data in transforming the ideas into success factors.

The thesis works and practice periods carried out in businesses as well as detailed product development and development projects are the most important results. The operating model will be expanded to INNO-STU regional university and innovation workshop models. The university and polytechnic co-operation became more intensive in the District of Ylä-Savo. The contract between the Universities of Oulu and Kuopio and the Savonia Polytechnic will be renewed in 2006.
5 RESOURCES

5.1 Personnel

The Kajaani University Consortium follows the personnel management programmes of the University of Oulu. In connection with the reform of payroll systems concerning all universities in Finland, the different units of the University Consortium personnel went through development discussions between staff and directors. The share of the office holders is 35%, the largest share being in the Department of Teacher Education. In year 2005, three jobs were made permanent in the Measurement and Sensor Laboratory. The share of the personnel in fixed-term jobs is going to diminish further through changing the jobs into permanent ones, according to the personnel plans of the units.

There were 9 professors in the personnel of the University Consortium, 48 teaching staff, 79 researchers and other research staff, 10 laboratory workers, 18 in the training services, 15 data processing and technical personnel, 22 in administration and as many in finances and offices, and 10 others. In total, the number of personnel in the University Consortium in 2005 was 232. 61% of the personnel hold at least a Master's degree, 12% of them hold a Doctor's degree.

- Professors: 3.9%
- Teaching staff: 9.4%
- Researchers and other research staff: 10.6%
- Laboratory personnel: 6.4%
- Training services: 7.7%
- ADP and technical personnel: 4.3%
- Administration personnel: 6.4%
- Finances and office personnel: 9.4%
- Others: 9.4%

- Proportion of Master's degrees among the personnel: 39.2%
- Proportion of Licentiate's degrees among the personnel: 11.6%
- Proportion of Doctor's degrees among the personnel: 5.2%
- Other education: 2.2%
In 2005, the operating volume of the Kajaani University Consortium exceeded 17 million €. The part of the units belonging to the University of Oulu was 16.4 million € of which the allocations were 53% and the completing funding (revenue) was 47%. The corresponding distribution the year before was 50/50. The volume of the Physical Activity Master Programme in Sports Technology of the University of Jyväskylä (Vuotech) was a bit over 0.6 million €. The growth of the whole University Consortium, compared to the previous year, was almost 0.6 million € in total.

The Department of Teacher Education, the Teacher Training School, library and the Education experiment of mathematics operated mainly with budgeted funds (Funding by departments). The other departments operated for a great part with completing funding as much as 71% of these were obtained by, among others, offices distributing EU funding, such as Employment and Economic Development Centre and County Administrative Board. The part of the municipalities of the completing funding was, in reality, more than 17%, since the rent share funded by the city of Kajaani, a bit less than 100 000 €, of the Linna facility of the Department of Information Processing Science Kajaani Unit, is not included in the bookkeeping of the University. Equilibrium has been reached in the finances of the University Consortium, but dependence on the funding completing the budget is high, and the operation is short-spanned depending on the length of the projects.

The share of the personnel costs of the Kajaani University Consortium of the University of Oulu (excluding the operations of the Department of Information Processing Science Kajaani Unit) was 8.2 million €. The rent costs only include the rents paid outside the University, 0.8 million €. In the facilities controlled by Senaatti, the rent costs are included in the internal costs. The internal real estate costs were about 1.2 million €. The costs of the facilities in total were about 2 million €. The purchase of services was almost 1.6 million €.

### 5.2 Finances and Financial Statement

#### Financing by units 2005

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<th>Unit</th>
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<th>Expenditure</th>
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<td>Continuing Education</td>
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<td>Department of Teacher Education</td>
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<td>Teaching of Mathematics, Kajaani</td>
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<td>Training School</td>
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<td>Library</td>
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The chart above shows the financing by units in 2005. The bars represent the revenue and expenditure in thousands of euros.
Completing Funding by Sources of Funds

- From Governmental Offices: 71%
- From the EU: 1%
- Other revenues: 2%
- From municipalities/federations of municipalities: 17%
- From households: 2%
- From industry and commerce: 7%

Structure of Expenditure 2005

- Personnel: 62%
- Rents: 6%
- Purchase of services: 12%
- Other costs: 3%
- Depreciations: 4%
- Internal costs: 7%
- Value added taxes paid: 3%
- Materials, articles and goods: 3%

Does not include the expenditure of Department of Information Processing Science Kajaani Unit.
Senior Academy of Art and Culture became a Part of the Kajaani University Consortium

In 2004, the municipality of Ristijärvi, with the support of the Ministry of Education, did a pilot study on the development of university activities for senior citizens in Kainuu. In the early phase of the pilot study, the name given to the university unit to be planned was Senior Academy of Art and Culture. The unit will become a part of the activities of the Kajaani University Consortium of the University of Oulu, and it will produce education, research, and product development services in art and culture for senior citizens and develop activities, social and international services.

The project received funding from the regional centre programme of the area of Kajaani and from the municipality of Ristijärvi. The funding was used to employ a planner for a summer to organise training courses. For study year 2005–2006, a Studia Generelia lecture series was planned. With the management of the University Consortium, a high-quality, ethically and economically sustainable way of operating of teaching and research, based on network for senior citizens will be developed in Ristijärvi. The learning environments required by the virtual study and multi-channel solutions of network learning will be created in co-operation.

The chairperson of the steering group of the Senior Academy of Art and Culture project is director Juhani Suortti of the Kajaani University Consortium; the members of the steering group are municipal manager Reijo Fredriksson of Ristijärvi, professor Ilkka Huovio of the University of Art and Design, member of the municipal board Anja Juntunen, and project manager Lasse Lyytikäinen.

Course in environmental art of the Senior Academy of Art and Culture started in summer 2005.
CHANGES AT THE CAMPUS AND IN THE FACILITIES

The quad of the Kajaani University Consortium Campus changed a lot in summer 2005. As a result, the incoming traffic to the Campus arrives via Satamakatu. A part of the trees had to be cut down to make space for the extension of the car parks. According to the quad plan, the restoration work of the park area will continue in summer 2006 by planting of fruit trees and flowers; the largest objects of restoration are the sports and play areas and building a new fence around the area.

The general seminar halls of the main building were fitted with new computers and wide screen television projectors. Wireless network was also mounted at the campus area for the use of students and personnel. New public computers were fitted at the library in May 2005. The campus canteen, Pedäköökkö, was expanded with three small dining cabinets.

The Sports Technological Education of the University of Jyväskylä moved from the facilities of the Vuokatti Sports Institute to Snowpolis. A new challenge for the future is to obtain new operating facilities for the Laboratory of Biotechnology in Snowpolis. The city of Kajaani renovated the facilities in Linna for the teaching and research use of the Information Processing Science; the second phase of the renovation project was completed by the end of the year.

Extensive diggings were performed at the Campus in summer 2005.

The renovated auditorium of Linna.

The group of rowan trees and bird cherries made way to cars.
According to the ordinance, the Director and the Board are responsible for the management of the University Consortium. The Development Manager assists the Director in directing the University Consortium, is responsible for the social service tasks of the University Consortium, as well as for the regional interaction, and acts as the co-ordinator of the University Consortium, and as a Deputy Director. In addition, the Board has nominated an executive group for the Consortium as well as other co-ordination and steering groups which consist of the heads of the units and personnel of the general services.

Board of the Kajaani University Consortium in years 2004–2006

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The service organisation assisting the operations of the units in the Kajaani University Consortium and co-operation universities 2005

Director
Juhani Suortti

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OPERATIONS AT THE CAMPUS:

Administrative Services
Kajaani Department of Teacher Education
www.kajaaninyliopistokeskus.oulu.fi/kokky
Primary School Teacher Education
Early Childhood Education Training
Master Programme for those who have taken the degree of a nursery school teacher or a Bachelor’s degree in Education, including the qualification of a nursery school teacher
Education experiment for subject teachers of mathematics
Education experiment on Cultural Industry
Education experiment emphasising the Swedish immersion course training
Conversion training programme on Russian culture and language
Master Programme for art teachers Virt@ll as multiform and distance learning
Kajaani Teacher Training School
IS-Center

Continuing Education
www.kajaaninyliopistokeskus.oulu.fi/aikuiskoulutus

Lönnrot Institute
www.kajaaninyliopistokeskus.oulu.fi/lonnrot

Library
http://www.kajaaninyliopistokeskus.oulu.fi/kirjasto/default.htm

OPERATIONS ELSEWHERE:

Laboratory of Biotechnology
Salmelantie 43
88600 Sotkamo, FINLAND
Tel.+358 (0)8 632 1312, fax +358 (0)8 632 1313
www.kajaaninyliopistokeskus.oulu.fi/bio

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www.savonia-amk.fi/iitu/tk/kam

Physical Activity Master Programme in Sports Technology, Vuotech (University of Jyväskylä)
Snowpolis
Kidekuja 2
88610 Vuokatti, FINLAND
Tel. +358 (0)8 617 8642, fax +358 (0)8 617 8641
www.jyu.fi/sport/laitokset/liikuntabiologia/study/study6/vuotech
Conversion training in Sports Technology

Measurement and Sensor Laboratory
Technology Park 127
87400 Kajaani, FINLAND
(Street address: Kehräämönintie 7)
Tel. +358 (0)8 614 9610, fax +358 (0)8 614 9615
www.mila.oulu.fi
Graduate Engineer education programme DIKO in Electrical Engineering (conversion training)

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www.tol.oulu.fi/kajaani
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