

KUOPIO

Welcome to Kuopio!



Helsinki 382 km

- 50 min by air

- 5 hrs by rail

The logo consists of a green vertical bar on the left, a yellow shield-like shape in the middle containing the word 'KUOPIO' in black capital letters, and a green vertical bar on the right.

KUOPIO

Kuopio throbs with life

Centre of eastern Finland

- 88,000 inhabitants in the city,
120,000 inhabitants in the region
- 8th biggest city in Finland
- Lively commercial and educational centre
- Sporting city
- Cultural city
- Tourist city
- Modern business city

**Kuopio is a city of expertise
with a high quality of life.**



From nursery school pupils to neurosurgeons

Kuopio offers diversified opportunities for education ranging from nursery school to university and from vocational training to leisure-time education.

The Emergency Services College situated in Kuopio is the only national vocational training establishment in its field.

Kuopio is the only location in Finland outside Helsinki where music and dance can be studied all the way from children's music and dance schools to university level.



Public health specialists and experts for international forums

The University of Kuopio, specialising in health and environmental sciences, offers high-quality education and produces professionals in public health and health care for the surrounding districts and top-class researchers for international forums.

- Founded in 1966
- Approx. 6,000 students
- Five faculties: Pharmacy, Business and Information Technology, Natural Sciences and Environmental Sciences, Medicine, and Social Sciences
- The A. I. Virtanen Institute of Molecular Science
- The main disciplines include biotechnology, biosciences and information technology.



International co-operation



- COSMOPOLITAN CAMPUS

- Annually

- Over 50 visiting researchers
- About 200 international students
- More than 140 undergraduate and graduate students studying abroad

- INTERNATIONAL EDUCATION

- Student exchange
- Teacher exchange
- Programmes offered in English

- RESEARCH COLLABORATION

- Collaboration projects in different fields
- Researcher exchange
- Visiting lecturers



The University of Kuopio

- 1-Canthia, 1978
- 2-Snellmania, 1981
- 3-Studentia, 1988
- 4-Melania, 1990
- 5-Tietoteknia, 1990
- 6-Bioteknia1, 1994
- 7-Bioteknia 2, 1999
- 8-Microteknia 1, 2000
- 9-Microteknia 2, 2002
- 10-Mediteknia, 2003

The University of Kuopio

- recognized internationally as a center of excellence in research
 - a major seat of learning in Finnish academia
 - promoter of entrepreneurship in the new technologies
- attractive study and work environment for a community of 10 000 students and faculty

Strengthening the
skill & expertise base

Promoting regional
welfare

Biomedical
& environmental engineering

Informational technologies
& business management

Biotechnology
Biosciences
Molecular medicine

Health, environment, well-being

The key to prosperity lies on exploiting our skills and innovations

Research

- The main areas of research are:
 - Biotechnology
 - Molecular biology and molecular medicine
 - Neuroscience
 - Major diseases, their molecular biological fundamentals, prevention and development of new treatment strategies
 - Nutritional properties and safety of foodstuffs
 - Biopharmaceutical research, preclinical drug research and toxicology research
 - Environmental health and technology
 - Health care technology
 - Health care research
 - Evaluation of the economics and the sociological impact of social welfare and health care programmes
 - Entrepreneurship and regional development
 - Data processing and information technology



From research to realisation: a centre of excellence for wellbeing

Kuopio is one of the 14 national centres of excellence. Its objective is to improve the region's competitiveness and to increase the number of hi-tech products, businesses and jobs in the region.

The research and business activities of the centre of excellence are concentrated in Kuopio Science Park.

Fields of excellence in Kuopio:

- Drug design
- Agrobiotechnology
- Health care technology





TECHNOLOGY CENTRE TEKNIA LTD.

- Enterprise service organization, which provides technology enterprises and associations with all the services they need
- Company's vision is to widen and enlarge the scope of technology enterprise activities in the Kuopio region and in that way to act as a locomotive for regional economic growth.

OVER 140 COMPANIES IN TEKNIA



OVER 140 COMPANIES IN TEKNIA

ORION

 **JURILAB**

 **Instrumed**

Johnson & Johnson

CEREBRA  **ICON**


MEGA

Polymer
COREX
kuopio


PERCH
PEak researCH


METKINEN OY

 **Delfin**
Technologies Ltd

 **Deio**
Caring for Information


Tamro
MED-LAB

Bioteknia and Microteknia





CENTRE OF EXPERTISE

- Teknia Ltd is responsible for the coordination of the Kuopio Region Centre of Expertise Programme
- Idea:
Creating business and new jobs as well as assisting regional development by exploiting internationally acknowledged expertise and know-how
- The fields of expertise:
 - Health care technology
 - Agrobiotechnology
 - Drug development

ENTERPRISE DEVELOPMENT SERVICES

- Services:
- Incubator premises
 - Office space and facilities
- Expertise services and counselling
- Financing services
- Access to networks





INTERNATIONALIZATION SERVICES

- Teknia accelerates the internationalization of technology enterprises in the Kuopio region by e.g. joint marketing projects.
- The target areas are Central Europe, Asia and North America.
- The most important cooperation partners:
 - Zhangjiang Hi-Tech Park, China
 - University of Surrey and it's Science Park, England
 - Minneapolis University Enterprise Laboratories, USA



TECHNOLOGY TRANSFER

- Teknia finds technology buyers, sellers and other cooperation partners for companies and research institutes
- Teknia has access to both national and international technology transfer and service networks
 - IRC (Innovation Relay Centre)
 - TII (Technology, Innovation, Information)
 - IASP (International Association of Science Parks)
 - Tekel (Finnish Science Park Association)



Health and wellbeing for the whole of Europe

The Health Kuopio Programme is an extensive cooperation project with the objective of developing Kuopio and its environs into a leading European centre of excellence in wellness.

- Top-class research and knowledge to serve the local economy
- New businesses and jobs in the region
- Practical applications and services to benefit the local people
- Focus on expertise in health as well as environmental and social wellbeing with a special emphasis on health technology
- Health tourism

Participants in the programme include the City of Kuopio, the University of Kuopio, other educational institutions in the region, Kuopio University Hospital, Technology Centre Teknia Ltd (WellTeknia), and businesses and the Third Sector in the region.



Kuopio – top European centre of excellence for health and wellness expertise

National and international application and commercialisation of the health and wellness expertise of the Kuopio region

Health care

- medicine
- pharmaceutical development
- nutrition and health expertise
- health care technology
- nursing science
- health economics
- sport medicine

Biotechnology and nutritional expertise

- biotechnology
- food biotechnology
- food safety

Environment

- environment health
- environmental technology

Social science

Applications to health and wellness expertise of

- information technology
- commerce and business
- design and ergonomics

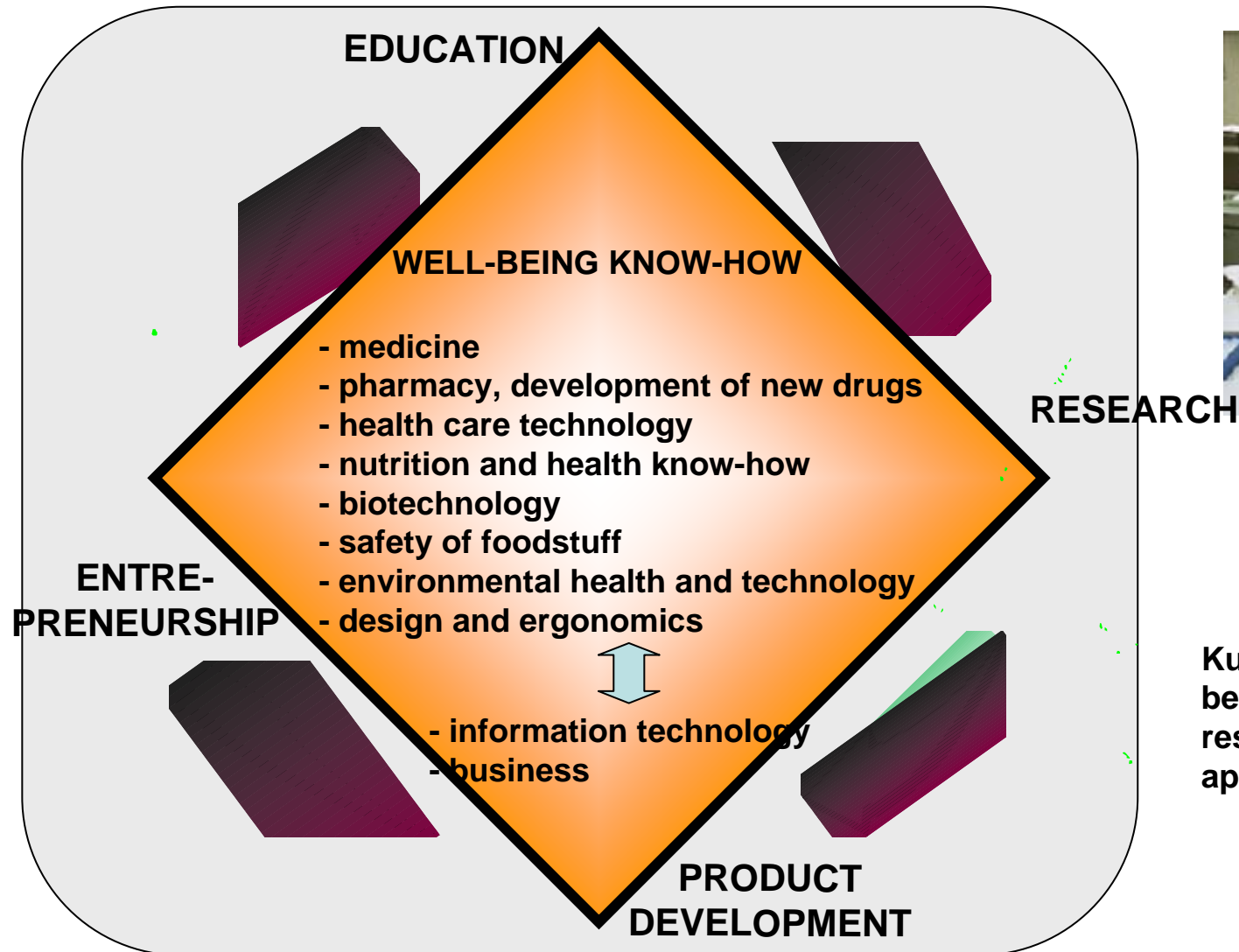
The Kuopio region – a testbed for new health and wellness products and services

- testing innovative new services and health and wellness models
- innovations for everyday life
- studying the process of change in the provision of health services

Wellness tourism in the Kuopio region

- winter and recreational sporting tourism
- waterway tourism
- cultural tourism
- health resort tourism

SUPPLEMENTATION ON WELL-BEING SERVICES



Kuopio is a leading centre of well-being know-how on education, research, commercialization and application in Europe

Goals

- To commercialize Kuopio region Health Care know-how
- To generate new cooperation between different organizations
- To generate possibilities for the Kuopio community to attend Health Care services
- To generate new Health Care entrepreneurship and places of employment
- In 2012, 150+ entrepreneurships, 5,000+ new jobs



From a matchstick factory to a science park

The industrial development of Kuopio was sparked off by the wood-processing industry, and for many decades Kuopio was also renowned for its clothing industry. Today information technology is one of the most vigorously growing sectors in the city.

- Information technology
- Wood-processing industry
- Metal and engineering industry
- Food industry
- Health care technology and drug design

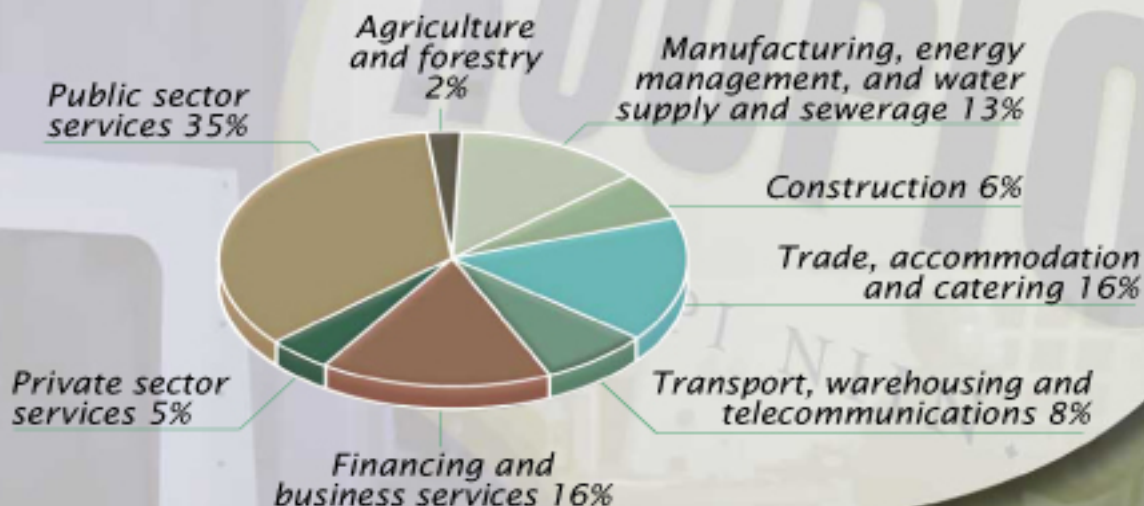
Entrepreneurial support is offered by:

- Technology Centre Teknia Ltd
- The Kuopio City Business Development Department



City with a diversified economy and a wide range of services

There are approx. 4,000 businesses in Kuopio, which employ a total of over 40,000 persons. A significant proportion of the local workforce is engaged in the service sector.



CITY OF KUOPIO

OPEN-MINDED INTERNATIONAL CENTER WITH HIGH-QUALITY SERVICES

- **Kuopio is a growing urban area with many types of business enterprises, high-quality education and research, and active networking.**
- **Kuopio is a place where the inhabitants can lead a good life and enjoy good municipal services.**

STRATEGIC TARGETS FOR THE YEAR 2012

To further clarify the visions of the future, strategic targets were defined:

- 1 - Kuopio will be an international city with a balanced growth and an important national role.
- 2 - The business life of Kuopio will consist of a wide variety of activities. The number of jobs in the entrepreneurial sector will have grown. **Businesses, educational and research institutions will have built strong networks for themselves.**
- 3 - The inhabitants of Kuopio will enjoy good services. Very efficient preventive measures are taken against alienation from the society. The way of life in Kuopio is characterized by concern for others and a successful community feeling.
- 4 - **Kuopio will be a respected scientific center and a popular place to pursue studies. There will be a wider selection of fields for research and education.**
- 5 - Kuopio will be an internationally well-known and a nationally important place for cultural activities, sports and tourism.
- 6 - The economy and the financial standing of Kuopio will be very stable.

FUTURE VISIONS FOR THE EDUCATIONAL SERVICES OF KUOPIO

**THE SCHOOL CITY OF KUOPIO with
emphasis on learning and good results**

STRATEGIC TARGETS OF EDUCATIONAL SERVICES

For educational services, to further clarify and describe the visions of the future, strategic targets were defined:

- 1 - our services give our students a strong background in general knowledge, excellent social skills and a proper preparation for higher education.
- 2 - proper upbringing and schooling will support the community of informed, inspired and committed citizens and reduce social segregation.
- 3 - Kuopio city school services promote international, multi-cultural living and shared activities.
- 4 - our school services must be well suited for their purpose, functional, egalitarian and democratic.
- 5 - we will know how to build strong networks.
- 6 - sufficient and well-planned resources give us an opportunity to deliver good results.
- 7 - our organization will be learning-focused. It encourages creativity and renewal.

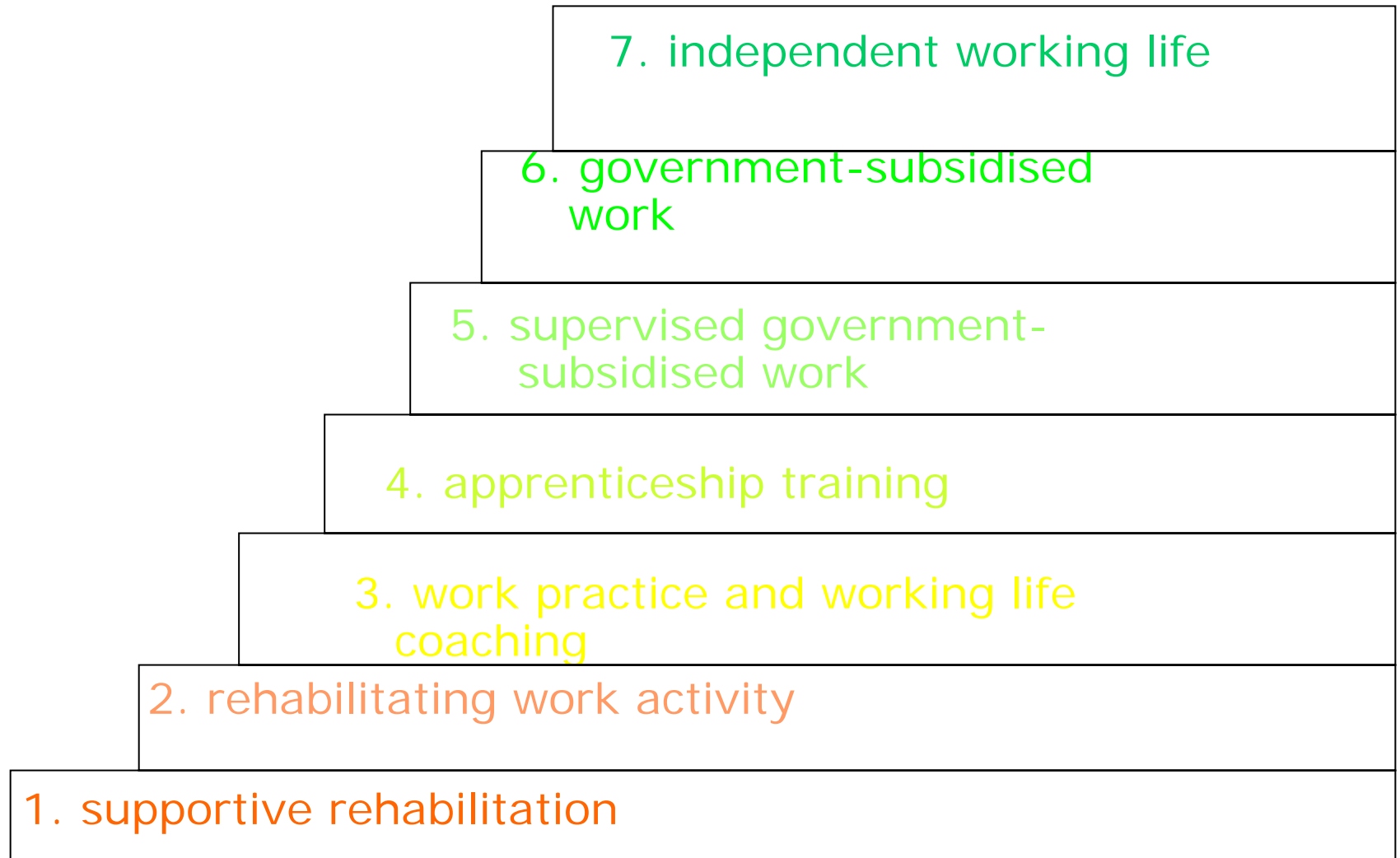
If you want to revitalize a society, start with education

- Community spirit, shared activities, and shared successes are very important factors.
- **KANTO project** - an example of our activities with alienated or nearly alienated young people.
- The example also tells a story of how the **European Union structural funds** can give support for improvement programs.

KANTO Youth workshops

- The purpose of the workshops are **to break the barriers of education and employment** for those who are in a fairly weak position in view of education and employment.
- Annually there are over 200 youngsters at the workshops. Workshop activity is targeted mainly to young people under the age of 25 years.

Youth workshop steps



Youth workshop fields

- canteens
- sowing/textile work
- recycling
- wood work
- restoration
- metal work
- construction
- household help
- automatic data processing
- theatre
- nature

... KANTO Youth workshops

- This **social community** employs people who are able to work, if supervised. It also conducts business supported by the society's subventions.
- The Youth workshops are arranged by Kuopio city Activity Center and financed by Kuopio city council and Ministry of Labour and the Ministry of Education, the European Social Fund.

International contacts

- International cooperation within EU projects involving a wide range of fields and groups, e.g. school children
- International cooperation agreements, e.g. with a hi-tech park in Shanghai in 2002
- Exchange of researchers and students at the university and other educational institutions
- Conferences and congresses, as well international sports events and other events, bring large numbers of visitors to the city
- 150 businesses engaged in international trade
- Extensive international ecumenical cooperation
- 13 twin towns in Europe, the USA and Canada

