



Euroopan unioni  
Euroopan aluekehitysrahasto

# InnoPilotti project

Developing of the uniform innovation course to the  
educational institution consortium in Demola  
environment



TAMPEREEN TEKNILLINEN YLIOPISTO



TAMPEREEN  
YLIOPISTO



TAMPEREEN  
AMMATTIKORKEAKOULU



PIRKANMAAN LIITTO

DEMOLA<sup>®</sup>

Vipuvoimaa  
EU:lta  
2007-2013

1.12.2011

# Basic information of the project

- Official name: InnoPilotti educational institution co-ordination
- Actors:
  - Tampere University of Technology (TUT) – Faculty of Computing and Electrical Engineering, departments: Software Systems, Signal Processing, Electrical Energy engineering, Computer Systems and Communications Engineering.)
  - University of Tampere (UTA) – School of Information Sciences.
  - Tampere University of Applied Sciences (TAMK) – training programmes: Business Information Systems, Media Programme, Information Technology.
- Head responsible: TUT Faculty of Faculty of Computing and Electrical Engineering, Pirjo Kuhanen.
- Financing: European Regional Development Fund, self-financing.
- Start date: 1.10.2011, end date: 1.10.2012.
- Target groups: Universities of Tampere: Technical University of Tampere, University of Tampere and Tampere Polytechnic; Demola of New Factory, companies.

# Key persons

- Responsible person: Pirjo Kuhanen (TUT)
- Steering group:
  - Roope Raisamo (UTA), chairman
  - Toni Pippola (TAMK), vice-chairman
  - Pirjo Kuhanen (TUT)
  - Jukka P Saarinen (Nokia PLC)
  - Ville Kairamo (Hermia Oy)
  - Also, Mia Kangasniemi of Council of Tampere Region participates in the meetings of the steering group as a representative of the union
- Project manager: Matti Vuori
- Coordinators of educational institutions:
  - TUT: Matti Vuori
  - UTA: Timo Poranen
  - TAMK: Toni Pippola

# Need for the project



- There is already a number of study modules in now in the universities of the Tampere region, in which it is possible to carry out innovation projects in cooperation with the companies in the Demola environment (see [www.demola.fi](http://www.demola.fi)).
  - Need to harmonise the course offering.
  - Need to create clarity by forming less, but bigger study entities.
- Need to develop cooperation between the educational institutions to improve coordination and to spread good practices.
- Commitment and resources to the operation must be created.

# Demola in a nutshell

- System in which the companies order demos of the new ideas from the student groups in order to weigh their usefulness as products or services
  - Technical or even social ideas.
- Every year two project rounds, in spring and autumn.
- About 150 students participate per round.
- International students strongly along.
- Demola provides training workshops in product development and the product business.
- Students usually enrol on courses in educational institutions, on which a teacher directs their learning and which may have additional teaching.
- Web site [www.demola.fi](http://www.demola.fi)).
- Demola operates within New Factory, an “innovation factory” ” <http://uusitehdas.fi/> innovation factory .

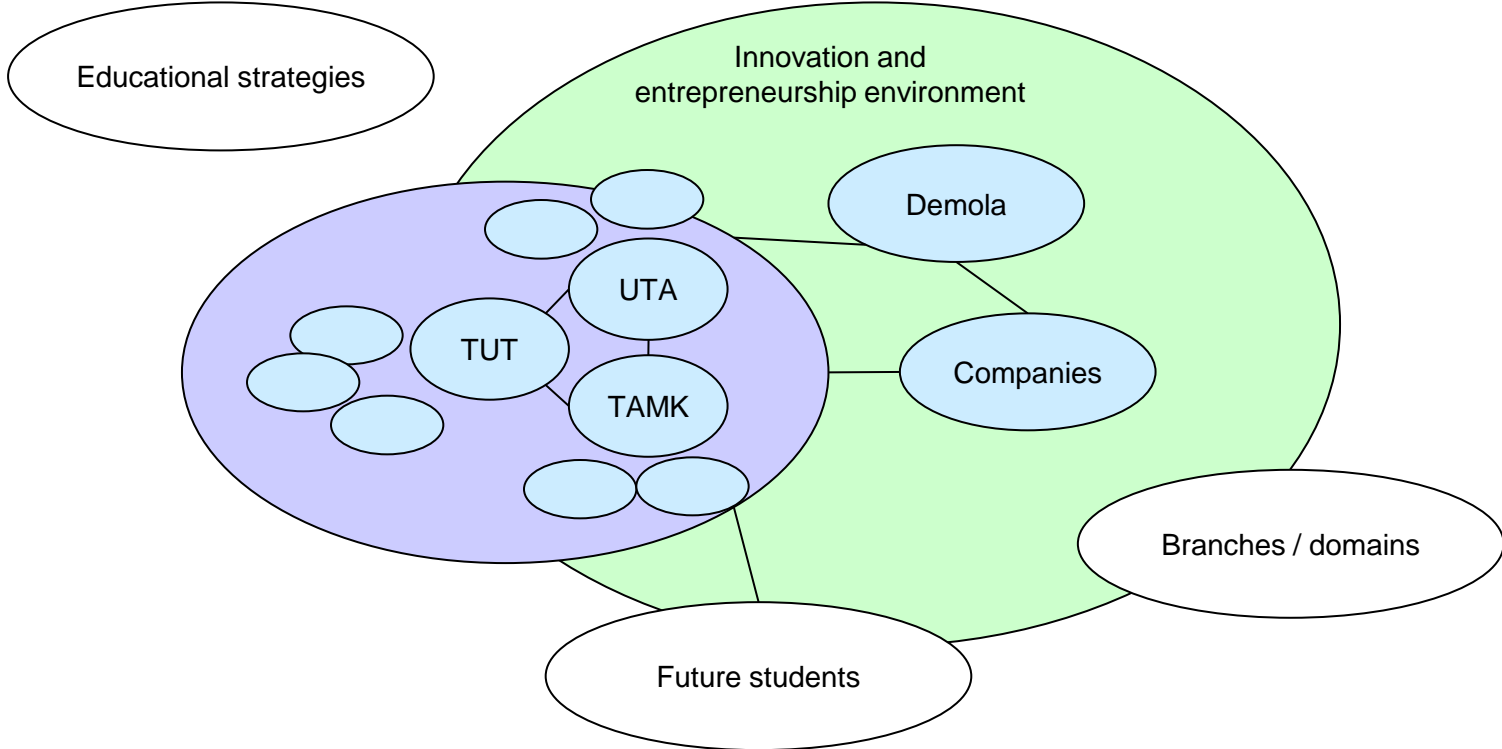
# Goals

- The objective is to develop and to pilot the operations model in the above mentioned units.
  - In these the readiness for the developing of the operations model has already been identified.
- Acquired good practices will be spread also in other units of educational institutions after the project has ended.
- Improved readiness of educational institutions.
- Development of competence for responding to similar opportunities outside of the daily operations, which may manifest in the future.
- Raising the profile of the Tampereen university consortium as a leading innovation centre in Finland and internationally.  
Supporting the image of Tampere business as an innovation intensive region nationally and internationally.

# Expected results

- A cooperation model between the researchers, staff, students and companies is created.
- The model makes possible an effective implementation of large innovation study modules in the educational institutes:
- A broad, harmonised innovation project study module
  - To students of the Faculty of Computing and Electrical Engineering of TUT
  - To students of the Discipline of Information Studies of the UTA
  - To TAMK students of Communication, Information Technology, Data Processing and Media.
- Creation of resources for the educational institutions for running the operations.
- Increased number of the students in Demola projects.
- Lure and easiness of the participation of Demola projects increase to the students and companies.

# Actor network





# Schedule and stages

Milestone	Situation	Tasks before milestone, after the previous
E1: Evaluation of the current state 11/2011	Shared understanding of the present operation – what is good, what needs improving Concrete targetss and priorities of the developing	Outline and analysis of the operation Satisfaction reports
E2: Improved operations model 01/2012	The first improved version of the operations models that has been created for the courses of the spring	Planning and implementation of improvements Harmonisation of operations models between parties Planning of the information processing systems and documentation
E3: Evaluation of the improved model 05/2012	Experiences obtained from the improvements Knowledge of what works More improvements can be planned	Satisfaction reports Analyses of the operation in various processes, interest groups
E4: Established model 09/2012	For the autumn of 2012 the second improved operations model will be brought to the courses Shared idea of the operations model to the near future	Additional improvements are made incl. the ones which there was no time to get to the previous operations model The good practices are established Practices are taken into actions
E5: Ending of the project 10/2012	Project tasks completed The final report and other outputs are ready End seminar Moving to the after-project phase	Documentation Final report End seminar

# The operation continues after the development project

- The operation is continued using created practices.
- The operation is integrated into all the units of the universities along.
- Interest exists widely, among others:
  - TUT Faculty of Business and Technology Management and Faculty of Automation, Mechanical and Materials Engineering; UTA School of Management, TUT development team of innovation teaching.
- The objective is also to utilise obtained results in the entrepreneurship and innovation activities of universities.

# Support of the project to objectives of the European Regional Development Fund 1/2

- The project clarifies and concentrates region-wide the co-operation projects between educational institutions, companies and students.
- The position of the town of Tampere as a centre of the economy which is based on an innovation and information strengthens with the growth of the volume of cooperation projects.
- The project makes possible the following actions supported on the activity TL4:
  - Birth of technological service innovations.
  - Cooperation between companies, actors of the public sector, universities and other educational institutions.

# Support of the project to objectives of the European Regional Development Fund 2/2

- The project promotes goals of activity TL2 and strengthens regional know-how activity and innovation activity and structures.
- The implementing units are tightly connected to the operation of the said arrow point clusters of the Centre of Expertise Programme (Digibusiness and JPT-OSKE).
- The goal of the project is in whole the development of co-operation, financed through activity TL2:
  - Between the innovation actors
  - Between innovation actors and companies.
  - Between development organisations and authorities.