

Open Innovations Association FRUCT



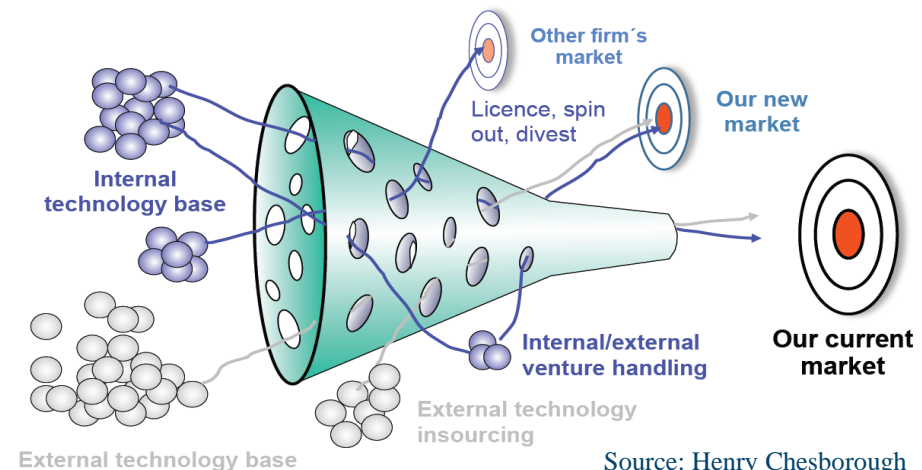
What is so Special About ICT?

- Explosive growth of information
- Unprecedented speed of innovations
- Huge investments in ICT R&D
- Life-cycle of ICT products, services and even standards is getting shorter
- Innovations is the key force to get out of crisis
- ICT fuels innovations in other industries



Why Open Innovations?

- Active management of intellectual property is more business efficient than its protection
- Protective and restrictive role of the intellectual property rights is replaced by its value as a market asset
- Main focus of Open Innovations is on commercialization and use of internal and external ideas and technologies
- Way to get critical mass of competences and resources
- Search and help incubation of external innovations and integration to core business



Source: Henry Chesborough

Management of Open Innovations



- Use open platforms for easy adoption of 3rd party technologies and creation of additional (in)direct revenue
- Look for alternative ways to commercialize innovations, e.g., on top of 3rd party platforms or by opening APIs
- Direct cooperation with suppliers, customers and even competitors
- Internet provides the platform and enabler technologies
- Use crowdsourcing to outsource a task/problem to a community rather than specific body
- Win-Win principle must be ensured

FRUCT – Incubator of Competences and Businesses

- Open Innovations Association for Russia, CIS and North Europe
 - Established in 2007, oldest open innovations association in the region
 - Framework for incubation industry-to-academia R&D cooperation
 - Join forces to create critical mass of people and competences
 - 27 member teams from Russia, Finland, Denmark and Ukraine
 - Core community >100 members, plus >1500 active followers
 - Good visibility of activities in Nordic region, India and Italy
 - Cooperation with industry and professional communities
 - FRUCT is regional sister society of IEEE ComSoc
- Members get new competences and expand professional network
 - FRUCT is a sandbox for piloting cooperation and starting new activities
 - Competence renewal and visibility to solve brain-drain from the regions
 - New opportunities for professional growth and business incubation
 - Making joint open source projects, publications and awards
 - Together developing regional ICT ecosystem



Mission of Open Innovations Association FRUCT

Build community of students, academic and industrial experts

Identify new R&D niches with world-class potential and incubate competences

Be meeting point for R&D oriented socially responsible business

Develop strategic partnership of industry and universities



Give chance to students realizing their scientific and R&D ambitions

Promote principles of Open Innovations and value of international cooperation

Activities (1/2)

Renewal of Education

- ✓ Creating new courses and M.Sc. and B.Sc. programs
- ✓ Advanced training of students in R&D projects
- ✓ Invited lectures given by industrial experts

Best Practices

- ✓ Support of exchange courses and lectures
- ✓ Support of students exchange programs
- ✓ Involvement to industrial internship programs

Technical Trainings

- ✓ Series of trainings that can be delivered to any place in FRUCT countries
- ✓ Training materials available online at FRUCT sites (e.g. lecture materials)

Activities (2/2)

Incubation of Young Professionals

- ✓ FRUCT conferences
- ✓ Organization own and partnering with the best summer/winter schools
- ✓ Agreements with conferences / journals
- ✓ Top students can get industrial support, e.g. publication and travel grants, stipends, etc.
- ✓ Trainings on scientific writing, legal issues, management, etc.

Support of Professional IT & ICT Communities

- ✓ Creating and maintaining infrastructure for networking
- ✓ Organize developer seminars, conferences, workshops, contests, etc.
- ✓ Building professional social network, help finding post-doc and job opportunities
- ✓ Create friendly ecosystems around member companies
- ✓ Promotion of industry-relevant technologies and positive PR in media

Consortia for Publicly Funded Projects in ICT

- ✓ Finding right partners, building trust and culture of preparing applications



Web Resources



Main R&D Infrastructure

www.fruct.org
forum.fruct.org
fruct.org/trainings
wiki.fruct.org
e-werest.org

News and social network

facebook.com/OpenInnovations
vk.com/OpenInnovations
social.fruct.org

Support of Professional Communities

qt.e-werest.org
rusmart.e-werest.org
mhealth.e-werest.org
meego.e-werest.org

Regional Infrastructure

yar.fruct.org
osll.fruct.org
oss.fruct.org
wl.fruct.org



Accomplishments and Achievements

- **Delivered 56 public domain R&D projects**
- **Contribute to 3 Russia-Finland cross-border M.Sc. programs**
- **Organized 26 conference/seminars & 53 technology trainings**
- **Published >100 scientific papers, >200 news reports in Russia**
- **Won 4 Russian Mobile VAS Awards (1/2011, 2/2010, 1/2009)**
- **Help managing four professional communities in Russia**



- **Prepared and launched 6 new university courses**
- **Work of FRUCT labs was recognized by top officials**
- **FRUCT graduates are very welcome in the industry**
- **Organized R&D 12 contests in Russia, Finland, India**
- **Activities in Russia, Finland, India, Ukraine, Italy**
- **Won 3 EU-Russia CBC plus a few National grants**



Erasmus Mundus NordSecMob Program

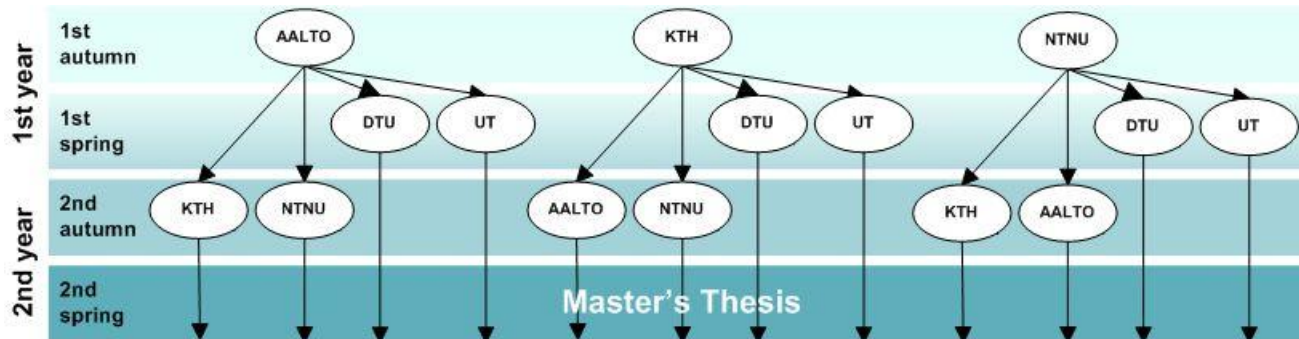
<http://nordsecmob.tkk.fi>

- ❖ Aalto University School of Science (coordinator)
Espoo, Finland
 - ❖ The Royal Institute of Technology KTH,
Stockholm, Sweden
 - ❖ The Norwegian University of Science and
Technology NTNU, Trondheim, Norway
 - ❖ The Technical University of Denmark DTU,
Lyngby, Denmark
 - ❖ University of Tartu UT, Tartu, Estonia
- Grants for students:
 - **Deadline for students - 30.11.2012**
 - Available positions for visiting Professors:
 - Services and security in mobile environments / AALTO
 - Language based technology / DTU
 - Cryptology / UT and NTNU





Students Mobility



The 120 ECTS credit points will be divided into two blocks:

- 1-2 semesters of teaching (30-60 ECTS) will be provided by home university
- 1-2 semesters of teaching (30-60 ECTS) will be provided by host university

Double degree: All students graduate with M.Sc. degree or equivalent from both their home university and a M.Sc. degree or equivalent from their host university.



A high quality Bachelor's degree (a minimum of 180 ECTS) in Engineering (Computer Science or Information Technology) or equivalent studies

Admission to the programme is granted on a competitive basis: the applicants are assessed on the basis of their previous academic record

An excellent command of English language is required: TOEFL minimum score 580/92 or higher, IELTS score 6.5 or higher

- **Category A** scholarships (non-EU/EEA nationals):
can be awarded to students selected by the consortium who are not residents nor have carried out their main activity (studies, work, etc.) for more than a total of 12 months over the last five years in the EU/EEA countries (by the end of February 2012)
 - contribution to travel 8000 €
 - monthly allowance 1000 €/month x 24 = 24000 €
 - programme fee contribution up to maximum of 8000 €/year



Scholar opportunities

Erasmus Mundus scholar is an academic and/or professional of outstanding experience who carries out teaching or research assignments and scholarly work in the institutions participating in the NordSecMob programme. Erasmus Mundus scholarships allow non-European scholars to perform the tasks defined by the consortium.

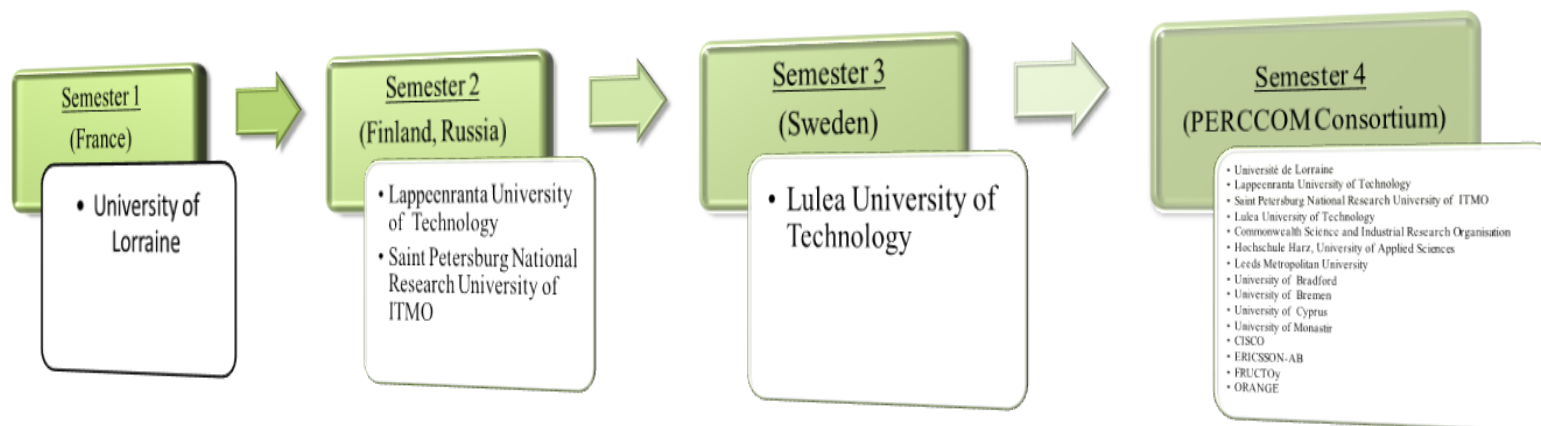
- Non-European nationals who are not nationals of the EU/EEA states or candidate countries for accession to the EU (nor may he/she will have carried out his/her main activity for more than a total of 12 months over the last 5 years in these countries). The amount of scholarship for the scholars is 1200€/week for a maximum duration of 3 months per scholar (up to a maximum of 14 400€).
- Criteria of NordSecMob consortium
 - ✓ a PhD in Computer Science
 - ✓ teaching and research experience in some of the areas described as the research area of the scholar
 - ✓ a good command of English

Erasmus Mundus Master Courses starting September 2013

Pervasive Computing and Communications for sustainable development (PERCCOM)



Educating ICT professionals with high expertise in networking, computing and programming, capable to design, develop, deploy and maintain both communication architectures and pervasive computing systems for sustainable development



Non-EU student Scholarships :

- Contribution to travel, installation and any other type of costs: 4000 € per year
- Full coverage of the EM PERCCOM participation costs: 4000 € per semester
- Monthly allowance: 1000 € per month

EU student Scholarships:

- Full coverage of the EM PERCCOM participation costs: 2000 € per semester
- Monthly allowance: 500 € per month

Web: www.perccom.eu

Twitter: @perccom

Inquiries: eric.rondeau@univ-lorraine.fr

Deadline for application : January 10th 2013

Call for Participation in 13th FRUCT Conference



- Will be held in Petrozavodsk, Russia on April 22-26, 2013
- Over 100 participants from Finland, Russia, Norway, India, etc.
- Deadline for Papers, Abstracts and Demos is February 25, 2013
- Materials are published in FRUCT proceedings (ISSN 2305-7254)
- First 2 days (April 22-23) are reserved for technological trainings
- Selected papers will be sent for publication in IEEE Xplore base
- Conference and all trainings are free of charge for participants
- Top ranked invited speakers from Industry and Academia
- All details can be found at <http://fruct.org/conference13>



Contact Information

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<http://vkontakte.ru/OpenInnovations>

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