

WP2: Innovation systems

2.1 Questionnaire survey

2.2 Study visit on innovation systems

2.3 Develop & introduce course "*Innovation systems*"

2.4 Establish innovation centers

2.1 Questionnaire survey

- Survey among universities:
 - ✓ Is there an organization in charge of innovation & entrepreneurship?
 - ✓ Any training courses on innovation & entrepreneurship?
 - ✓ Is there any systematic/organized cooperation with industry/business?
 - ✓ How many startups / technology transfers / etc started in last 3 years?
 - ✓ Any success stories (startups etc) ?
 - ✓ Main difficulties in university-industry cooperation? (*policy? regulations? time? funding? benefit? interests?*)
 - ✓ ???

2.1 Questionnaire survey

- Survey among private/public enterprises:
 - ✓ How much of your product/services/revenues is based on innovation?
 - ✓ Is there any systematic/organized cooperation with universities?
 - ✓ Any success stories in university cooperation?
 - ✓ Main difficulties in innovation-based business? (*policy & regulations? risk capital? technologies? marketing? IP rights ?*)
 - ✓ Main difficulties in university-industry cooperation? (*policy & regulations? time? funding? benefit? interests?*)
 - ✓ ???

2.1 Questionnaire survey

- Survey among students:
 - ✓ Do you get any training on entrepreneurship during university study?
 - ✓ Are you interested to learn more on innovation & entrepreneurship, such as taking 1 or 2 courses on this topics?
 - ✓ Do you need help to develop an innovative idea into a new business?
 - ✓ Are you interested/willing to be an entrepreneur and run your own business (startups), instead of working as an employee?
 - ✓ What is the main difficulty to start an innovative startup in your country?
 - ✓ ???

2.2 Study visit on innovation systems

What is an Innovation System (IS) ?

- interactions of people and institutions (universities, enterprises, central/regional government agencies)
- to facilitate the innovation process of creating, transferring and defusing new knowledge, skills, products, services and processes
- for the benefit of the community (national, regional, local)

2.2 Study visit on innovation systems

Where: Stockholm, Sweden

When: 15-25 May 2017 ???

What:

- ✓ Lectures, seminars, site visits, sightseeing
- ✓ National innovation strategy and policy
- ✓ Innovation for regional development
- ✓ Innovation clusters/ecosystems (ICT, life sciences, etc)
- ✓ Business incubators/accelerators
- ✓ Successful startups
- ✓ Innovation support: KTH Innovation Office
- ✓ Innovation education: *"Innovation systems"*,
"Entrepreneurship for engineers"

2.3 MSc course *Innovation systems*

- Define learning outcomes and syllabus (3-6 ECTS ?)
- Assign a responsible teacher(s)
- Prepare lessons
- Define/prepare course literature
- Administrative approval and scheduling
- Start in Sautumn 2018

2.4 Establishment of Innovation Centres

- **Basic infrastructure:**
 - ✓ initially 1-2 dedicated, trained, specialized staff (KTH Innovation:13)
 - ✓ necessary IT/office equipment (funds available)
 - ✓ a recognised/approved organization
 - ✓ activities to be developed and started in project year 2+3

KTH Innovation Office, 13 staff members

- 1 head (chief)
- 1 legal advisor
- 1 patent engineer
- 7 *business development coaches*:
 - ✓ 3 in ICT and media
 - ✓ 1 in Biotech
 - ✓ 1 in Health technologies
 - ✓ 1 in Energy and environmental technologies
- 3 others
- *Innovation plan within 3 hours*

2.4 Establishment of Innovation Centres

- Opening ceremony (autumn 2017?)
- Tasks/activities (**WP 5 !**):
 - ✓ Promote innovation and entrepreneurship within the university
 - ✓ Teach/coordinate those two MSc courses
 - ✓ Contact with public agencies and industry/business community
 - ✓ Provide business development services to students/teachers with the aim to commercialise knowledge/ideas/innovations
 - ✓ Organize innovation competition
 - ✓