



TALLINNA
TEHNIKAÜLIKOOL

Lessons learnt from commercialization of University IPR from Estonia and its impact on entrepreneurship and industry

Siemon Smid
13 September 2013

Siemon Smid – Innovation & technology

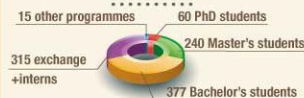


BreakingResearch



QUALITY EDUCATION IN EUROPE! STUDY IN TALLINN TECH!

2012/2013 International Students – 1007



TOP 3 Master Study programmes by International Students

- 1: Cyber Security
- 2: International Business Administration
- 3: International Relations and European Studies

OUTGOING EXCHANGE



2009-2012 INCOMING INTERNATIONAL STUDENTS BY FACULTY



4. Mechanical Engineering 49 students, 5. Civil Engineering 39 students, 6. Chemical and Materials Technology 14 students, 7. Science 10 students

"Studying in the Master's of Cybersecurity program at Tallinn Tech served as a gateway to Estonia. The country known as the 'birthplace of Skype' will soon be known as the birthplace of an ever growing list of companies from this thriving Start Up ecosystem aiming to take over the world! With a cozy campus, knowledgeable faculty, vibrant student life, modest living expenses, snowy winters, white summer nights, I find it hard to believe that more Americans and other international students don't take advantage of studying at Tallinn Tech!"

Chris Raastad



SILICON VALLEY

Tallinn Tech's best students can have a valuable experience in Silicon Valley during an intensive training programme. It is an exciting chance for the ambitious Tallinn Tech's start-up teams to gain knowledge from companies like: Facebook, Google, Microsoft etc.



Tallinn Tech's Internationalisation road map

2014
Tallinn Tech in Brazil

NEW Study programmes in English

e-Governance Technologies and Services
Technology of Wood and Plastic

MEKTORY

Interdisciplinary intellectual and tangible innovation center that actively engages companies, entrepreneurs, students and faculties in project implementation.
www.ttu.ee/projects/mektory-ee/



INTERNATIONAL TRAINING PROGRAMMES

(English Language and Nordic Culture Summer School and European Innovation Academy+ English Prep Year)



Have you ever had an idea of changing the World? Building up your own business? Achieving your dream? A change-maker don't have time to waste – Get inspired in European Innovation Academy www.innovationacademy.com

Estonia: **BEST PLACE TO STAY**
(ESN Survey 2010)

Estonia: **BEST STUDENT SERVICES**
(iGraduate 2009)

Estonia was the best-performing economy 2011
(www.europevoice.com)

European Union IT Agency hosted by Estonia

Europe's hottest start-up capitals: **TALLINN**
(by Wired Magazine)



Estonia - the first in the World to open a nationwide electric vehicle fast-charging network

"It was the best choice to go to Tallinn for my Erasmus. Great experiences, great spot for travelling & new lasting friendships."

Nina Kullmann

"One of the best decisions I've EVER made: learning, expanding the horizon and socializing in an awesome atmosphere!"

Christian Lozano Solis

"Tallinn Tech has offered me the best experiences of my study life. Moving from West Africa up to Estonia and then to America as part of my studies is not just an adventure for me but also a lifetime experience. Chase your dreams!"

Godswill Ayobamide Chimie Nwadi, Nigeria

Estonia: Home of NATO Cooperative Cyber Defence Centre of Excellence

Estonia No. 1 in the World in internet freedom

Global to Digital city – Tallinn

Estonia: ranked 1st worldwide in air quality (World Health Organization 2011)

Estonia: Birthplace of Skype!

2013
Tallinn Tech in India

"Tallinn Tech has offered me the best experiences of my study life. The academics here, unlike in my previous experiences, have been very flexible and try to consider the needs of the students. If you also choose to study here in Tallinn Tech, I am sure it would be the best experience for you too!"

Shubam MG

2015
Tallinn Tech in South Korea

"I have had loads of great memories during my Master studies in Tallinn Tech. I feel very lucky that I have been admitted to one of the best universities in Estonia- Tallinn Tech. I enjoy studying here and I am planning to apply all of the studied knowledge in my future career!"

Yangyang Shao

2012/2013 International Students



Ca 30 study programmes in English

2 international Master study programmes in English in each faculty



www.facebook.com/TallinnTech

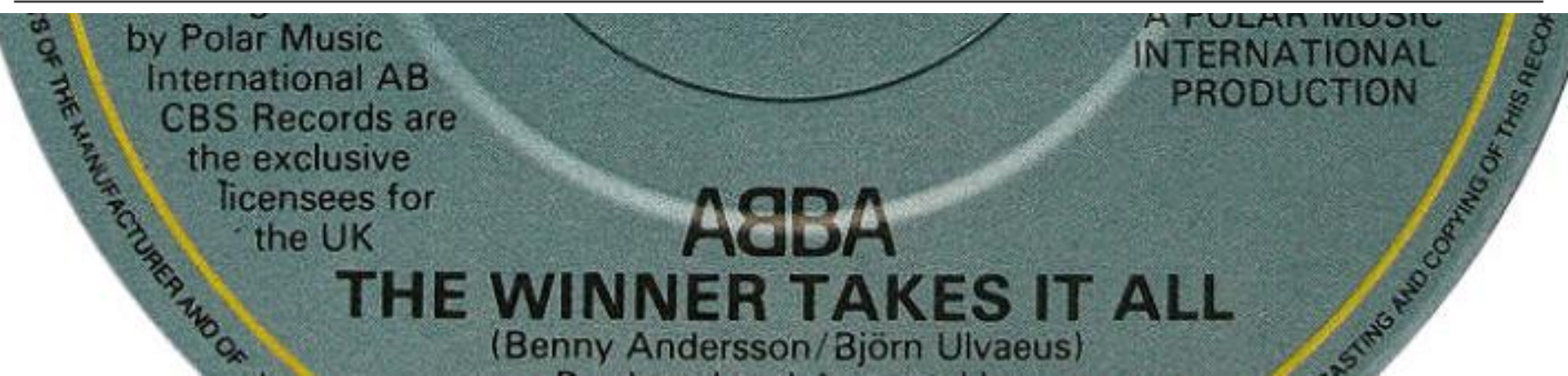
www.ttu.ee

Students
International Students
Focus countries



Licensing income-1970–1995 for three US universities

University	1970	1975	1980	1985	1990	1995
University of California						
Gross income (1992\$ × 10 ³)	1140.4	1470.7	2113.9	3914.3	13240.4	58556.0
Share of top 5 inventions	79	73	51	47	55	66
Stanford University						
Gross income (1992\$ × 10 ³)	180.4	842.6	1084.4	4890.9	14757.5	35833.1
Share of top 5 inventions		69	86	69	76	85
Columbia University						
Gross Income (1992\$ × 10 ³)				542	6903.5	31790.3
Share of top 5 inventions				99	92	94





Licensed technology

Probiotic bacterium for dairy industry

- 13 patents



Professor Marika Mikelsaar (picture) and Mihkel Zilmer

- License contract with Tere





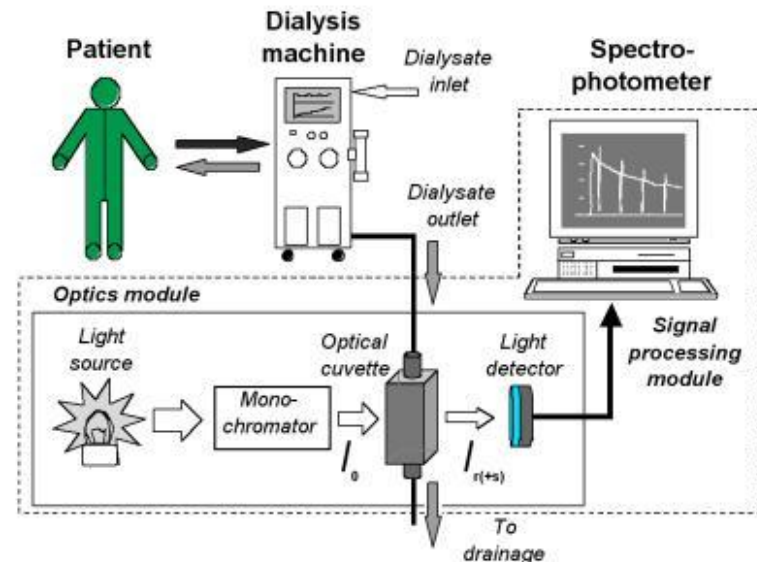
Licensed technology

Device for determining content of uremic toxins

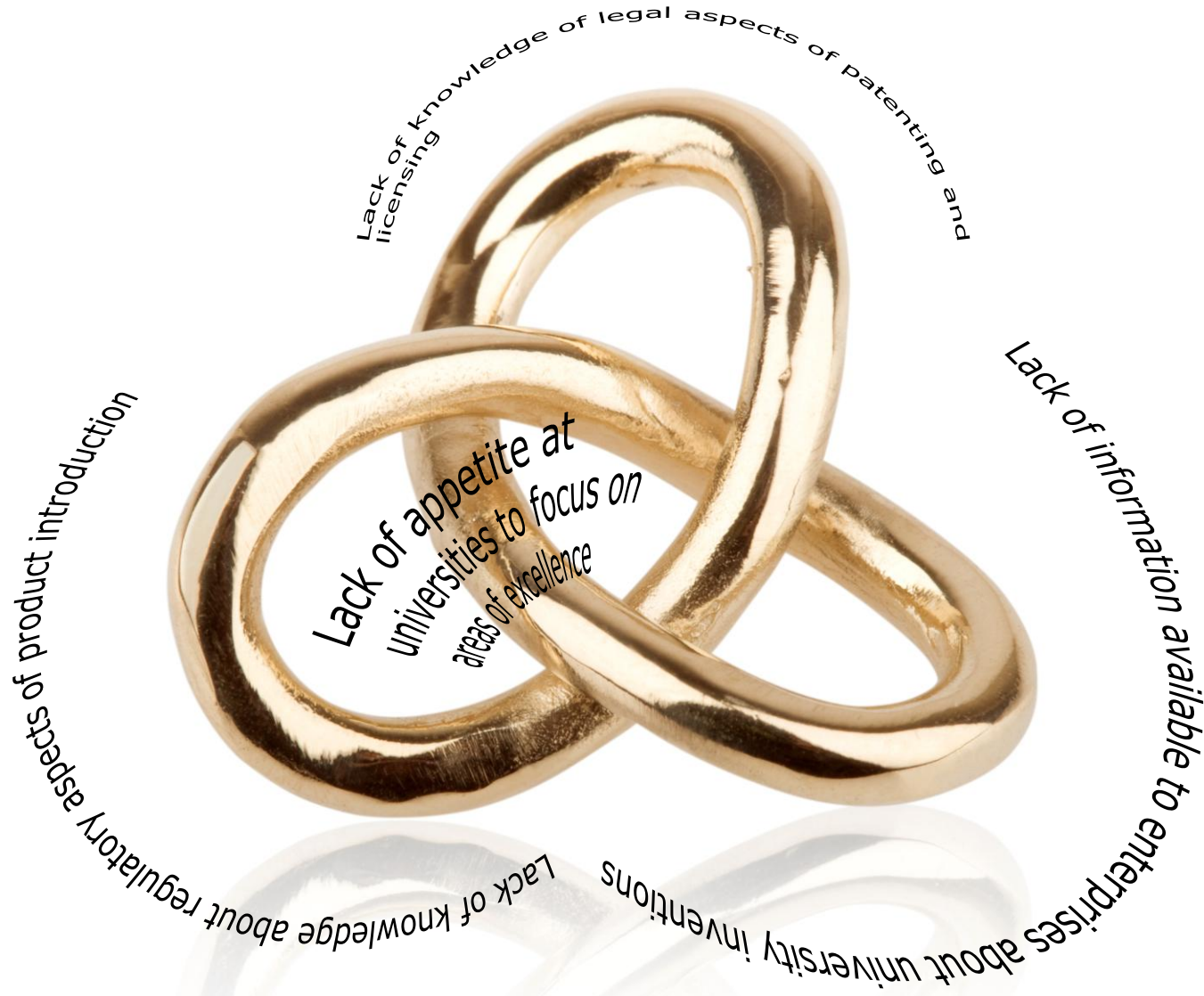
- Patent "Method for middle and protein bound uremic toxins measurements in biological fluids"



Prof. Ivo Fridolin

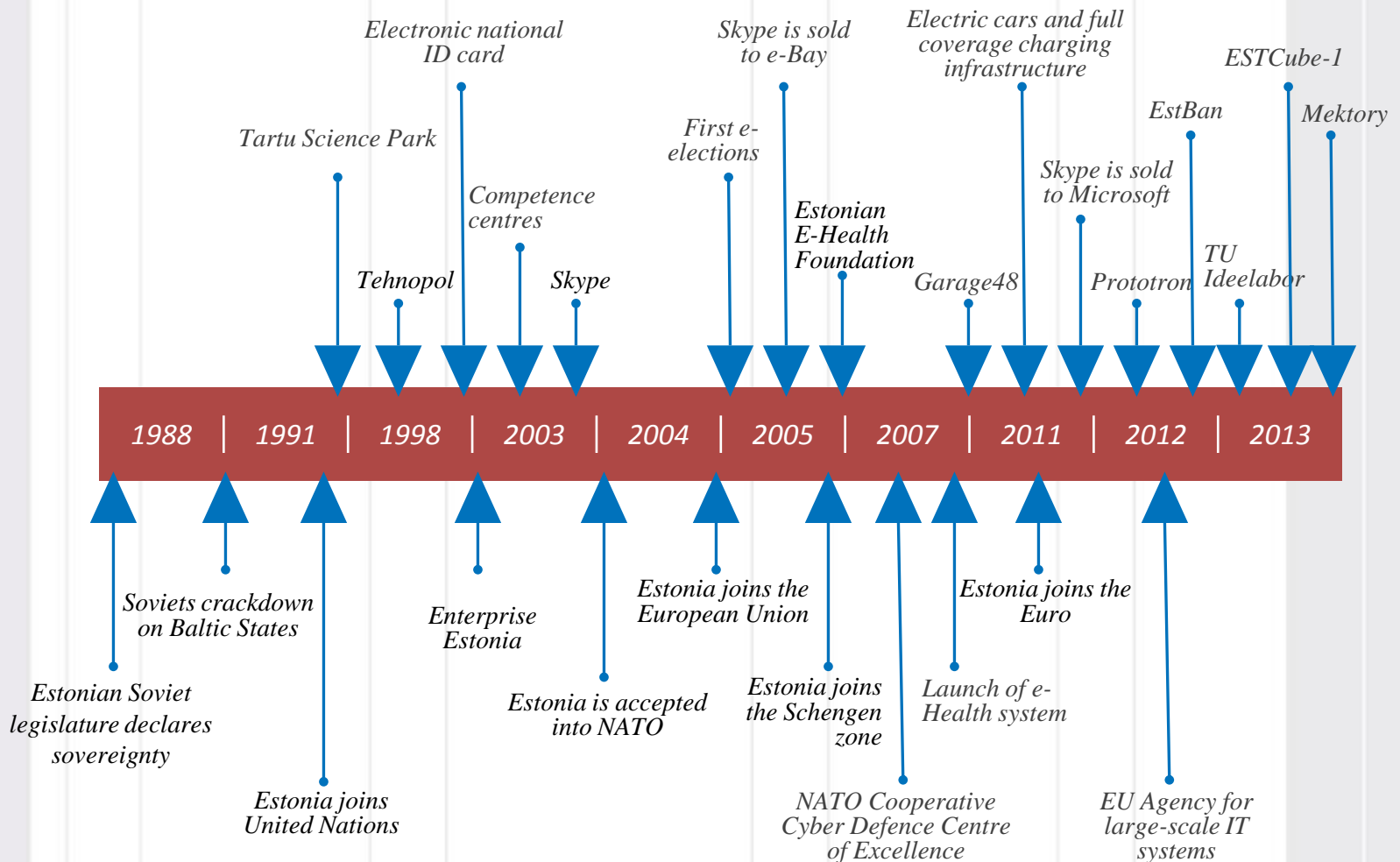


- License contract with spin-off company Optofluid Technologies



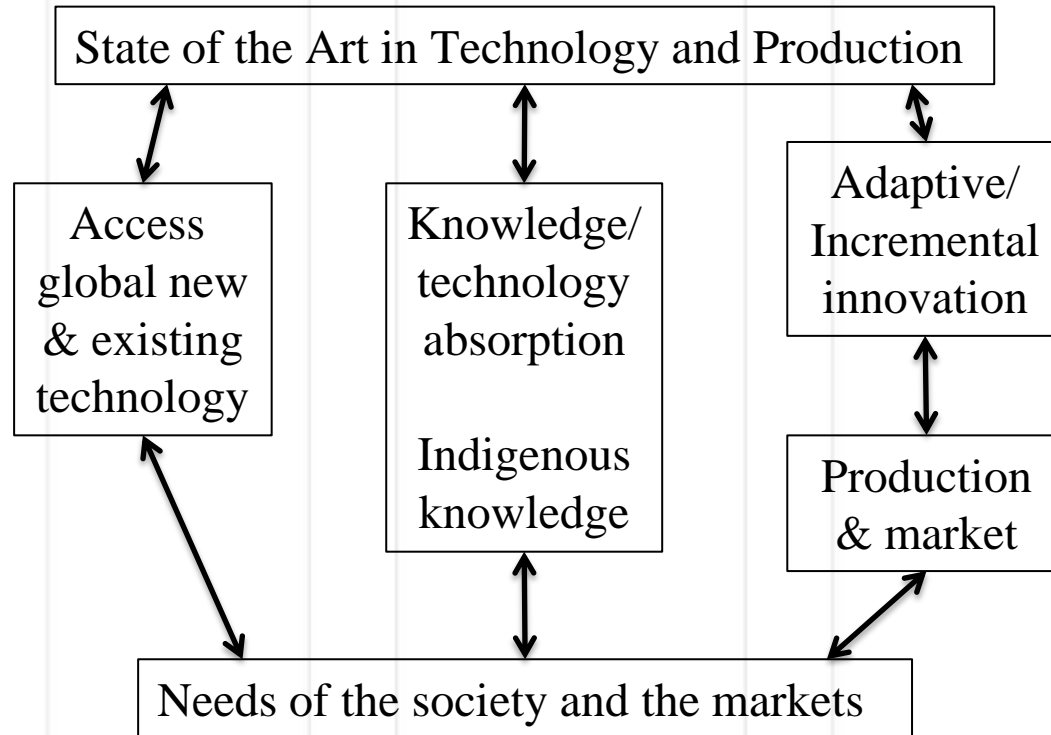


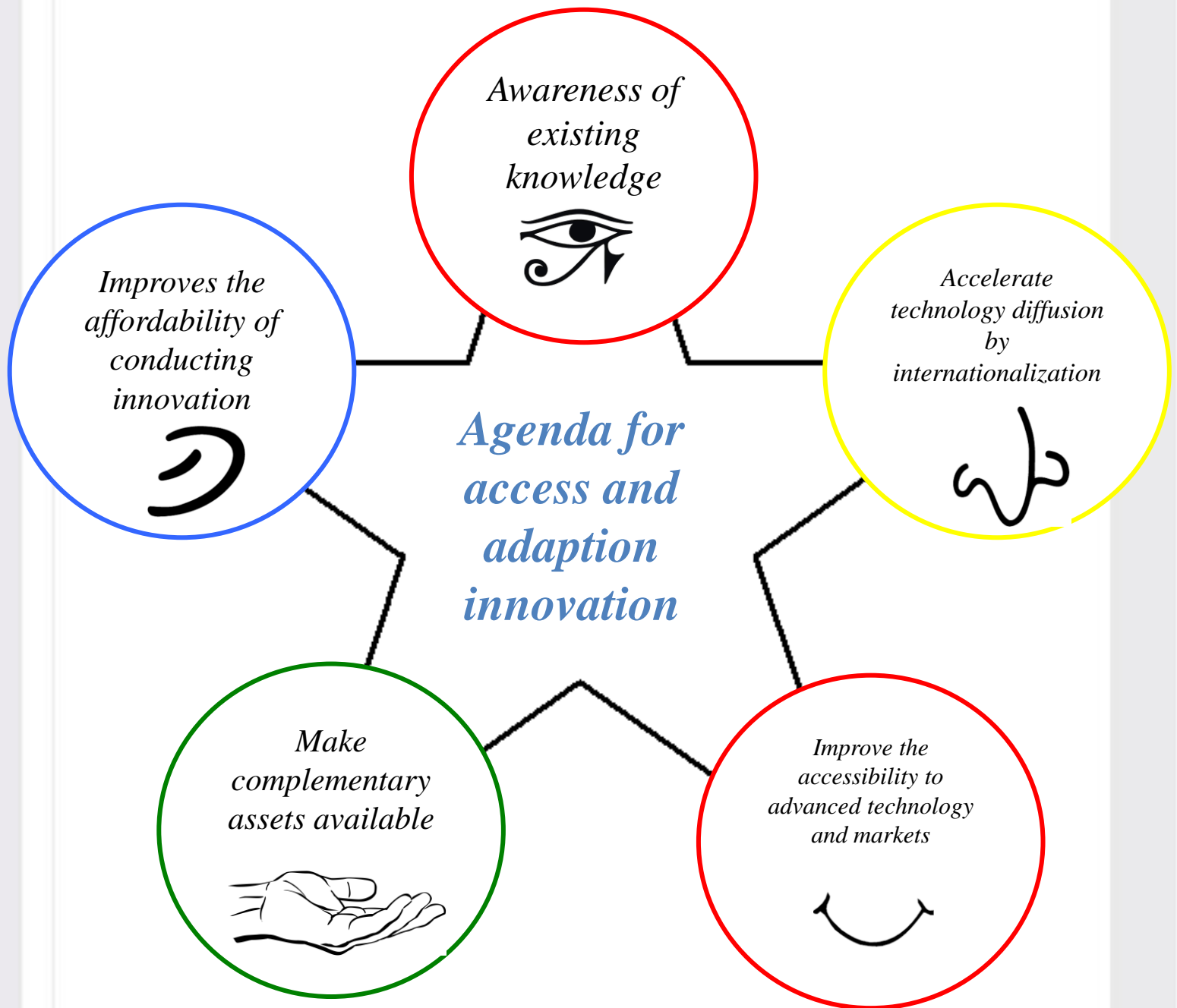
Main Estonian innovations





Access and Adaption Innovation Model



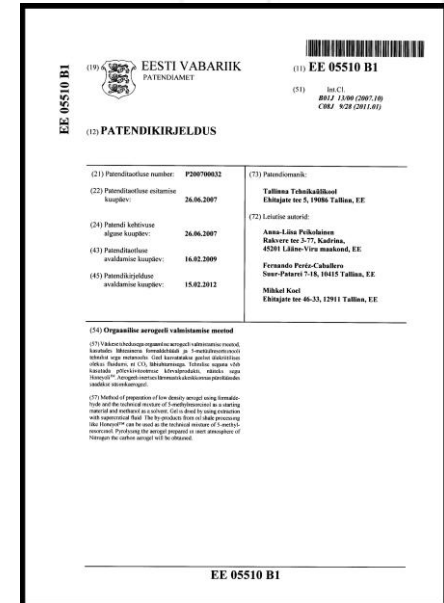
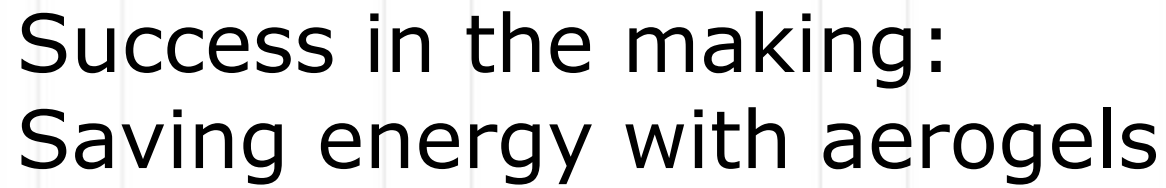






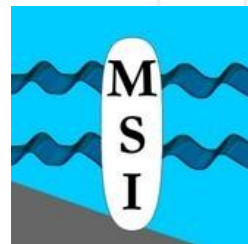
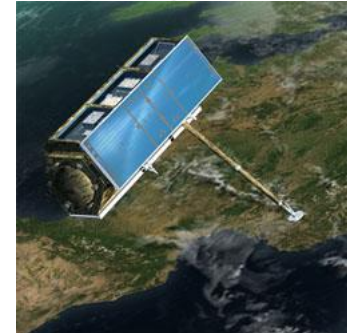
MEKTORY

MODERN ESTONIAN KNOWLEDGE TRANSFER ORGANIZATION FOR YOU





Success in the making: Combating oil spills





Thank you!



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