

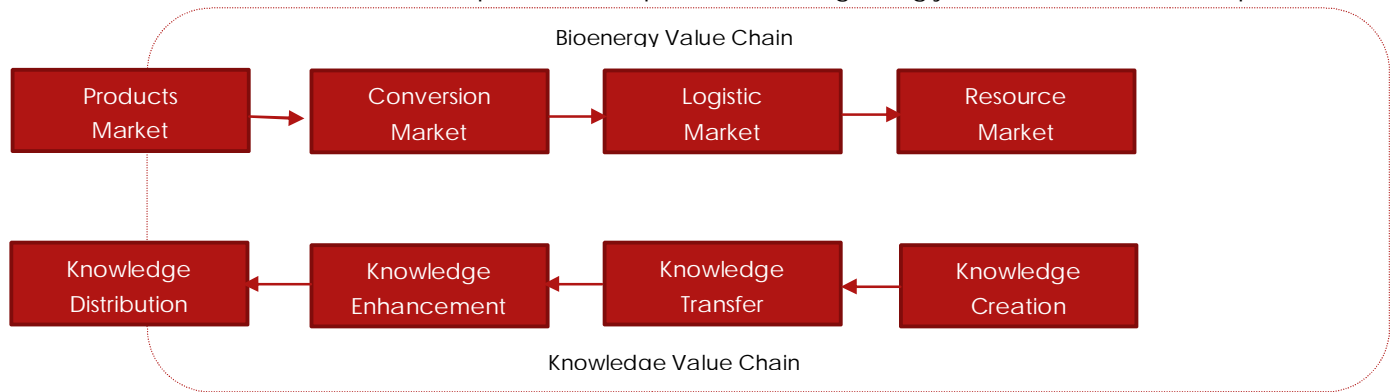
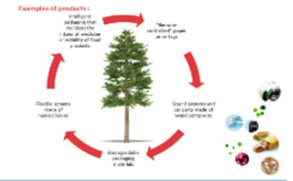
BioAcademy Finland and North Karelia Summer University offer

# International Summer School in Finland, Europe from "6<sup>th</sup> – 19<sup>th</sup> June 2016" on

## Renewable biomass based energy technologies and green economy

A modern Triple-Helix-Learning Ecosystem that brings together academicians, decision makers and industrial innovators to provide a holistic understanding, innovative ideas and advanced concepts on "Renewable energy technologies and green economy". The training underlines student centered and problem orientated solutions, includes international exposure and experience, leading strongly to innovations and entrepreneur skills.

Wood will serve many functions in the future



### Application deadline:

- 5<sup>th</sup> April 2016

### Target degree students:

- Bachelor, MSc, PhD

### More info:

[www.bioacademy.fi](http://www.bioacademy.fi)

### Topics

1. Global energy biomass innovation
2. New concepts of renewable energy technologies and business
3. Hybrid solutions & conversion technologies
4. Biomass based CHP generation
5. Resource planning & management
6. Optimization modeling
7. Biomass market and policies
8. Environmental sustainability
9. Innovations & knowledge transfer



BioAcademy is located in Finland, in the middle of pure nature, in European capital of forestry – city of Joensuu – where the ecosystem for bioeconomy learning is really concretized! Headquarters of European Forest Institute (EFI), John Deere company producing forest machinery to all over the world, University of Eastern Finland, Forest research institute, Fortum power company producing biodiesel, Enocell pulp factory with bioeconomy innovations and much more are forming a real living lab of new sustainable economy. Students in summer school can have a lifetime experience of canoeing, berry picking, fishing, beach sports and outdoor recreation.

## Fee structure

(Includes study fees, inland transportation, study materials and internet connection, meals, organized leisure time activities)

1. Tuition fee : 1320 €  
(Lecture materials, inland travel, field visits, and software tools)
2. Accommodation : 270 €  
(Shared rooms with kitchen facilities, fully furnished, Wi-Fi)
3. Food and others (incl study materials) : 280 €
4. International travel and Visa : student's arrangement

### BioAcademy SUMMER SCHOOLS

The BioAcademy Summer Schools are two weeks to 3 months academic modules with experiential, reflective peer learning in the middle of an ecosystem for innovations! Summer School provide an insight to the real life challenges and problem solving - transforming classroom theories to understanding and real life innovations!

BioAcademy offerers for motivated University students and graduates an internationally relevant, research-based teaching to gain an in-depth understanding of today's hot topics in green business, bioeconomy, forests and technology.

Best regards from Finland! Yours sincerely,



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## Finland's success will be determined by competitiveness and its ability to change

FACTS ABOUT FINLAND – land of innovations, education and pure nature:

- **Education system is the** best in the World, Finland ranks at the top in education and skills (see OECD data:



<http://www.oecdbetterlifeindex.org/countries/finland/> )

- Ranked at the top in the latest Happiness Equality Index Europe 2015 (Happiness research institute, <http://www.happinessresearchinstitute.com/> )
- According to the World Audit study, Finland is the least corrupt and most democratic country in the world as of 2012.
- The 1st and 2nd position at the World Economic Forum's Global Competitiveness Report and Growth Competitiveness Index (Ranking in 2006).

- Ranked *first on the Environmental Sustainability Index* of Yale and
- Ranked first for technological achievement by the United Nations Program.

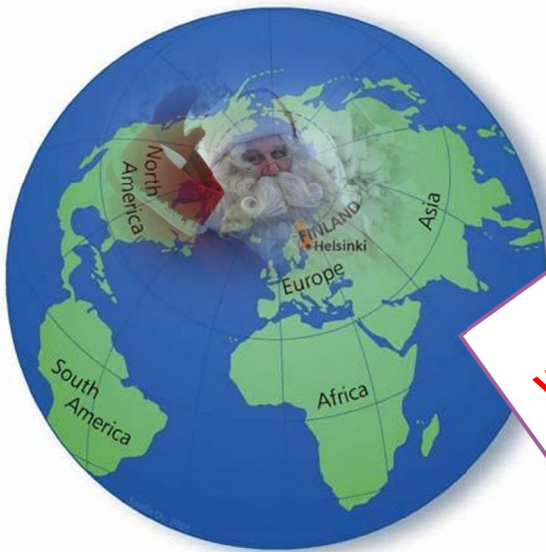


Columbia University.  
Development

## WHAT ELSE IS FINLAND?

- The most densely forested country in the European Union
- Amongst the top 12 biggest forest industry companies three are based in Finland
- Nokia Corporation (a Finnish company) was the world's largest manufacturer of mobile telephones from 1998 to 2012, with a global market share of over 35% between 2006 and 2009
- Wood based fibre, construction and energy solutions are strongly pushed by research, development and training
- The new biodiesel and pyrolysis oil producers have started commercial production in 2015
- Chinese biodiesel company Kaidi has published a plan dealing with a billion euros investment in Northern Finland
- More than 50% of total energy consumption of North Karelia is based on wood
- More than 60% of space heating of the city of Joensuu is based on wood, mainly CHP concept based district heating
- There are numerous well-known bioeconomy institutions in Joensuu: University of Eastern Finland, European Forest Institute, Karelia University of Applied Sciences, Forest Unit of the Finnish Nature Resources Institute (LUKE)
- Finns live close to nature:  $\frac{3}{4}$  of Finns regularly go to forests for recreation, collecting berries and mushrooms, skiing...
- Santa Claus (known in Finland as Joulupukki ) officially resides in the heart of forest region in a house built right on top of the Arctic circle, near the northern town of Rovaniemi





**Welcome to explore, experience,  
learn, and innovate from theory to  
real life solutions!**

**INNOVATIONS BORN FROM EXPERIENCES**

[www.bioacademy.fi](http://www.bioacademy.fi)