



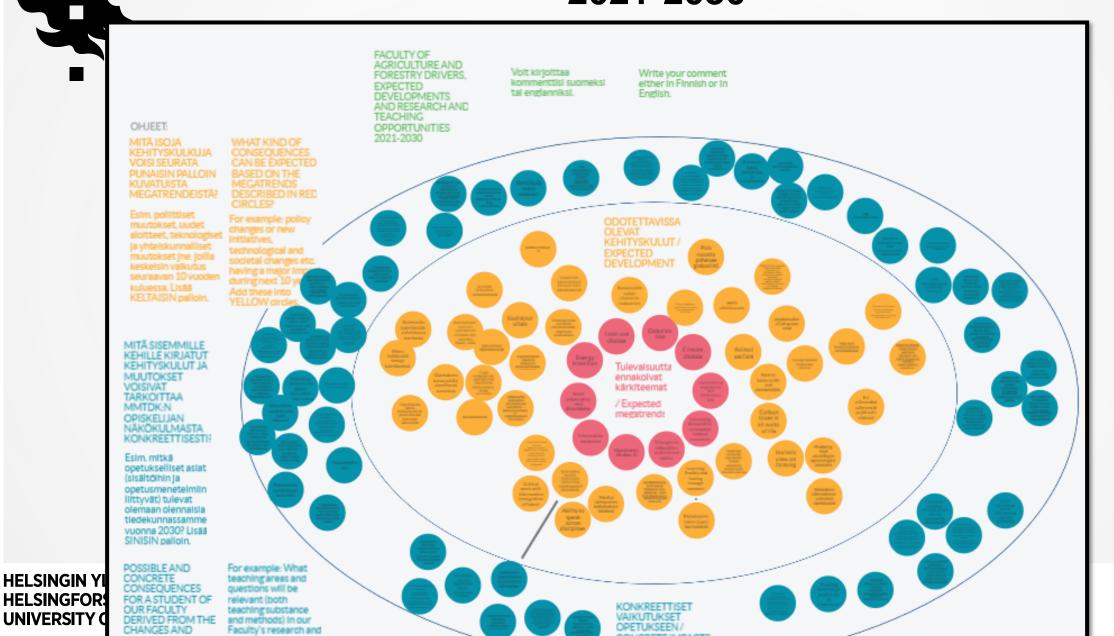
## **DRIVER #1**

## Pressure and feedback from students

Help for practical business. Advice on how to unleash your creative madness. Not just theory, but working keys for the budding entrepreneur.

Practical and participatory teaching, not forgetting opportunities for cooperation with businesses!

## DEVELOPMENTS AND RESEARCH AND TEACHING OPPORTUNITIE 2021-2030





## INTERDISCIPLINARITY AND CONNECTIONS TO WORKING LIFE

In working life, problems are solved by multidisciplinary teams of experts students need skills to communicate with people from different disciplines.

Interdisciplinary activities and stakeholder cooperation

could see the benefits

Diversity of teaching methods

Ability to speak across disciplines! More teaching to prepare for working life!

Cooperation and projects with companies; our faculty has great potential and expertise

of bringing working life and studying closer together. Could internships play a bigger role during your studies?







Curriculum development planning with teachers: need for strengthening connection to industry

flexible co-operation with companies and research institutes

Designing larger modules not by disciplines but by cross-cutting challenges



## **EXTERNAL DRIVERS**

Competion between universities

Student employability as a national university funding criteria

Increasing projects, cooperation and accordingly external funding from industry





	Entrepreneurship and innovations 15 credits  Mandatory courses	Scope (ECTS cr.)
	Leading innovations in practice	3
19	Me as a change maker	2
	Select 10 credits from the following	
	Industrial engineering and commercialization	5
2	Consumers, services and innovations	5
9	Customer-oriented new product development in the food industry	5
	Entrepreneurship and society	5
	Business logics and economic indicators	5
3	Strategic management and foresight	5





To yearly grow 3-7 student groups and their ideas towards innovations supporting them to act as dynamic makers in VFDF community and food innovation ecosystem.





## Viikki Food Design Factory

Food Innovation education and incubator fo future change makers

Food Innovation platform and pre-incubator for future startups

# module in Bachelor programmes 20232026 Entrepreneurship and innovations 15 credits Entrepreneurship and innovations 15 credits Mandatory courses Leading innovations in practice Me as a change maker Select 10 credits from the following Industrial engineering and commercialization Consumers, services and innovations Customer-criented new product development in the food industry entrepreneurship and society 6

Entrepreneurship and Innovations study

### **PRE-GERMINATOR**

Innovation education entity & startup course

### **GERMINATOR**

Mentors-in-residence & labs for promising future ideas & entrepreneurs

Viikki FOOD DESIGN FACTORY

THEMATIC RESEARCH
COLLABORATIONS
FOR FOOD SYSTEM
TRANSFORMATION

Collaborative R&D&I projects

#### **INCUBATOR SERVICES**

guiding to the next phases

Accelerators

Vantors

RESEARCH & DEVELOPMENT PROJECTS

Project concepts

ммм

Business Finland



### **VFDF Pre-Germinator**

A programme for educating and coaching to enable, develop and crystallise students' ideas to food system solution

FOR WHOM: Students with an idea of a change-making solution

WHAT: a bottom-up innovation programme including laboratories for experimentation and testing, support for focusing,

roadmapping, productisation, sector understanding and networking

#### **CORE ACTIVITIES:**

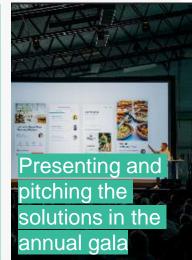


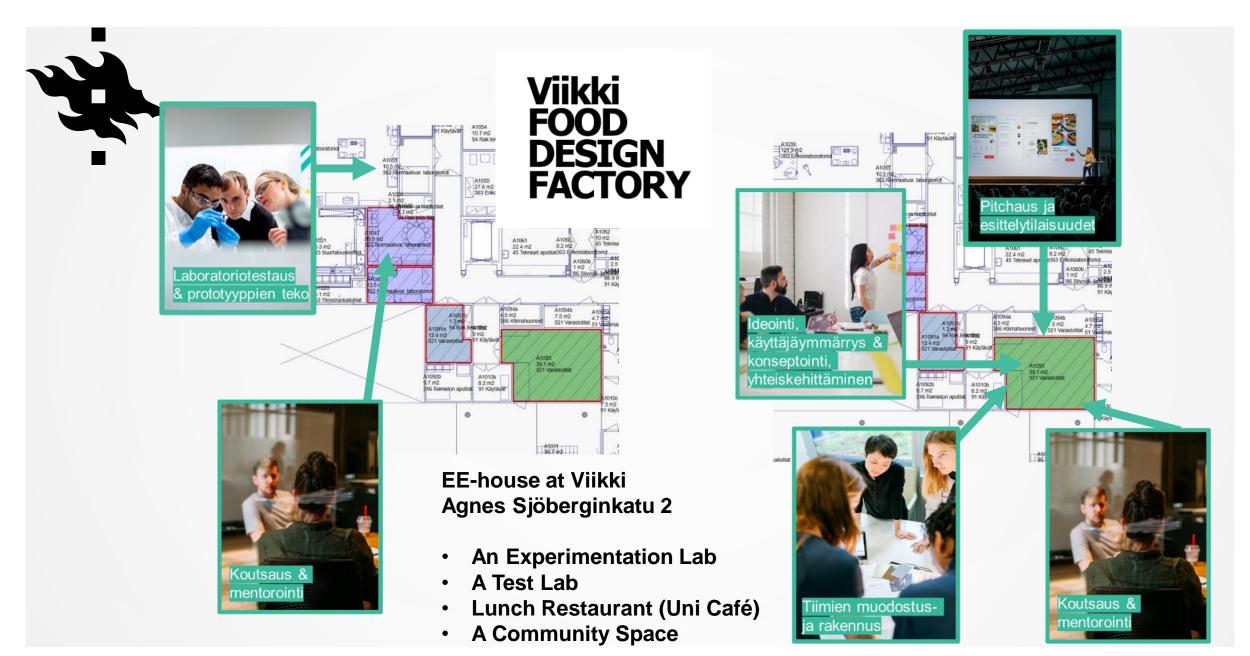










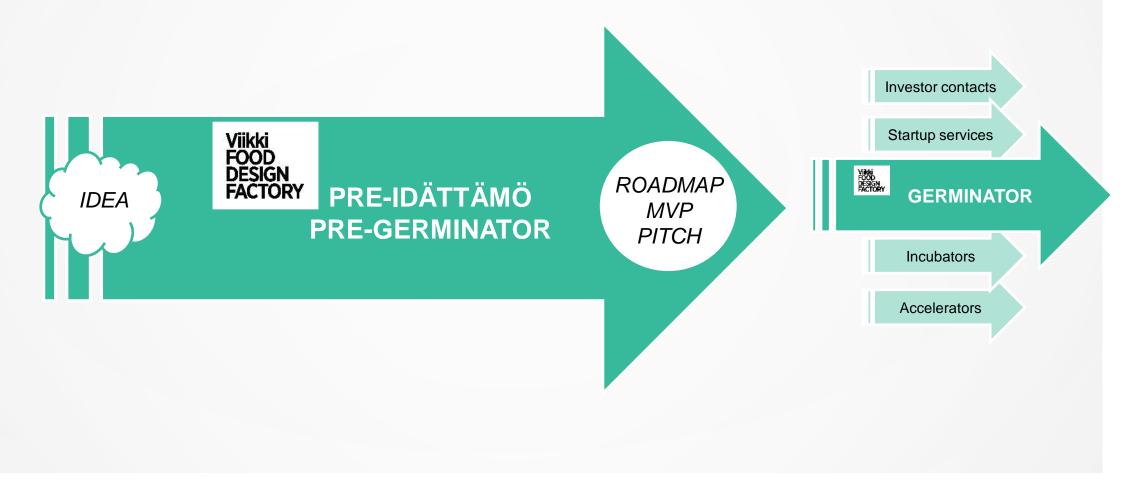






## PRE-GERMINATOR PROGRAMME 2022–2023

A programme for educating and coaching to enable, develop and crystallise **students' ideas** to food system solutions.





## LECTURE COURSE ME AS A CHANGE MAKER

### **WHAT:**

TWO CREDITS INNOVATION COURSE CONSISTING OF SEVEN LECTURES AND A GROUP WORK OF IDEATING.

### **WHEN:**

1ST PERIOD 2022

### **FOR WHO:**

FOR MASTER STUDENTS, FROM ALL THE FACULTIES FROM THE UNIVERSITY OF HELSINKI

### WHY:

TO LEARN INNOVATIVENESS AND GET GASOLIN FOR CREATE VALUABLE IDEAS. FOOD SYSTEM IS KEPT AS THE CONTEXT FOR A SYSTEM CHANGE INNOVATIONS.

### **GOAL:**

TO LEARN TO FIND NEEDS AND OPPORTUNITIES FOR VALUABLE IDEAS

UNDERSTAND CONCEPTS AND CONTEXTS RELATED TO INNOVATION

UNDERSTAND THE FOOD SYSTEM IN THE CONTEXT OF INNOVATION

UNDERSTAND THE BASIC CONCEPTS OF INNOVATIVE THINKING, USE BASIC METHODS RELATED TO INNOVATION FOCUSED IDEATION

TO GET REAL WORLD EXAMPLES OF PRACTICAL INNOVATION WORK

TO INSPIRATE OF ROLE MODELS





## PRE-GERMINATOR PROGRAMME 2022–2023 - STATISTICS

ME AS A CHANGE FROM IDEAS TO **DEMO GALA INNVOVATION HANDS-**MAKER LECTURE ON COURSE, FOOD-912 6 PITCHES COURSE, FOOD-911 **NETWORKING** Sep-Oct Oct-March **EVENTS** and **April** 2 cr **EXCURSIONS** 5 cr Oct-April 6 groups chosen

70 students
Of which 1/3 international
14 groups formed and pitched
Multi-disciplinary (9/11 Faculties)
8 start-ups, 1 company
1 Excursion

1 Excursion
2 External facilitators

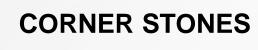
5 mentor-companies

2 DF network event

1/4 international

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UNIVERSITY OF HELSINKI

No drop-outs
1 company founded
2 planning the foundation
3 continues with the project



## **Empowerment**

Inspirational talks, examples, role models, constructing each own idea together, nurse creativeness, creating safe space, pushing them to decide, teaching dialogue and team work

## Showing

Presenting tools, environments, processes, facilities, existing ideas, existing innovation Structures and ecosystems

**HELSINGFORS UNIVERSITET** UNIVERSITY OF HELSINKI

Walking aside

Coaches in residence, teaching, guiding and sharing the experience. Finding match-mentors for each groups

→ Big ideas→ Eureka effect



## **ENABLERS**

Introduction of the position of fixed-term professor of practice at the university

Development of Viikki area as a whole (industry,university, residental area, trafic connections) by the City of Helsinki

Funding from the City of Helsinki and others

Support from university leadership

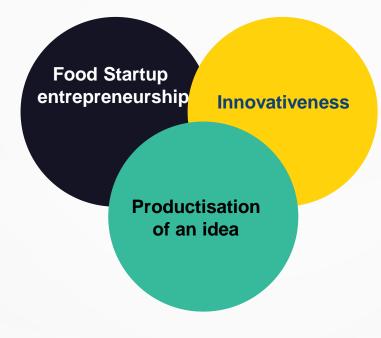


## Viikki Food Design Factory coach-in-residence

## Reetta Kivelä

**Professor of Practice, Food Innovations** 





### **Statistics**

- Doctor in Food Technology (Oat processing)
- 10 years in Food Corporations at the intreface of research and product development
- 5 years as a founder in startups

### **Core competences**

- To carry the idea to a commercial product
- Building the pilot production, organisation and company
- Innovation, IPR and product strategies



## Viikki Food Design Factory coach-in-residence



### **Statistics**

- 15 years in alcohol beverage and functional food businesses
- 5 years in consumer centric and science based innovation development
- P&L responsibilities of business with value of over 50 Mio. €
- Team lead responsibilities
- Product launches x >100
- Category responsibilities x 5
- Brand ownership and responsibilities x 12
- Member in international category development team x 3

### **Core competences**

- Innovation and business development through leading multidisciplinary teams
- Brand building
- Consumer marketing
- Co-creation methodologies for concept creation and business development
- Consumer research & insight generation
- Product concepting and management
- Project management



## **CHALLENGES/ HINDRANCES**

Key persons employed with fixed-term contracts

Pressure to grow fast and show impact in order to guarantee future funding, but education does not provide quick and changes in eg. employability or graduate satisfaction

Friction between the teaching and lab staff and VFDF operations

Connecting and coordinating activities with university-level innovation development program



### **BENEFITS**

Student engagement and enthusiasm Updated curricula Intrest by applicants Systematic industry collaboration





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