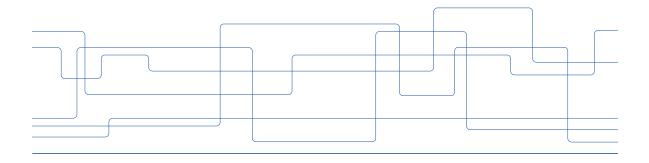


KTH Food Sustainability Network

23 January, 2020





Agenda

9.00 Welcome to KTH - Göran Finnveden & Johanna Strömgren

- KTH Food Sustainability Network Rebecka Milestad & Francisco Vilaplana
- Sweden Food Arena Marie Gidlund
- Sweden Food Tech Federico Ronca
- MatLust Helena Nordlund
- 10.15-10.45 Mingle and exhibition
- 10.45-11.45 Matchmaking
- 11.50-12.50 Lunch and mingle
- 12.50-13.00 Summary

3



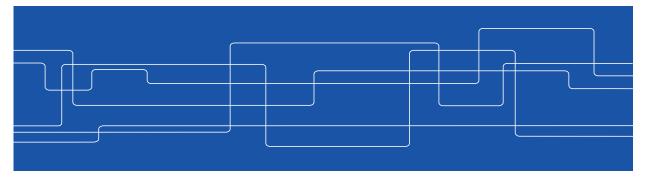


KTH Food Sustainability Network

OpenLab, KTH Campus

23 January 2020, 09.00-13.00

Rebecka Milestad and Francisco Vilaplana





KTH Food Sustainability Network

Need for a Network at KTH

- Food sustainability constitutes one of the main challenges that our society is currently facing, ensuring the food chain supply in terms of quality, security, safety, and affordability.
- Food production has a strong environmental impact on climate change, biodiversity, water and soil quality. Additionally, addressing the impact of food on nutrition and well-being is fundamental in terms of public health.
- Historically, KTH lacks educational programs in food science and technology or nutrition sciences, as they exist in other Swedish universities.
- · Scattered education and research within different schools and institutions
- KTH has excellent conditions with respect to education and research in environmental technology, sustainability, chemistry and materials science, and biotechnology, which can be directly applied to food systems and food technology.



KTH Food Sustainability

Strategies

- Establish and consolidate a common platform within food system research under a common and visible stamp "KTH Food Sustainability".
- · The research platform should integrate and expand the existing efforts at KTH:
 - > Sustainable food production and consumption,
 - Functional food products and health,
 - Logistics and digitalisation, and
 - Food security and circular processes (zero food waste).
- KTH is well-placed to contribute to research in food systems in Sweden: integrating food issues within existing research infrastructures and creating new constellations.
- Great potential synergies
- · An interdisciplinary and disciplinary focus on the entire food chain to solve societal challenges



KTH Food Sustainability

Vision:

To engage and align the education, research and outreach at KTH towards a resource efficient and fair food system encompassing the entire value chain, resulting in sustainable food systems and products with positive impact on good health and well-being.

Mission:

- Stimulating sustainable food systems in terms of production and consumption across the whole value chain.
- Reducing food waste and establishing food processes within the circular economy
- Developing functional foods with tailored properties and improved health and well-being.





On KTH.se

< Miljö och hållbar utveckling Samverkan och nätverk

Samarbeten och nätverk

Akademiska hus

Fossilfritt Sverige ISCN - International

Sustainable Campus Network IVL Svenska Miljöinstitutet

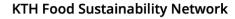
KTH Food Sustainability Network

KTH Life Cycle Network KTH Network on CDSMS

KTH Smart Sustainable Cities

NSCN - Nordic Sustainable Campus Network

SDSN Northern Europe Stockholm Environment Institute, SEI



KTH Food Sustainability Network engages and aligns the education, research and outreach at KTH towards a resource efficient and fair food system which encompasses the entire value chain, resulting in sustainable food systems and products with positive impact on good health and well-being.

The overall aim is to consolidate the network KTH Food Sustainability as a visible research, educational and outreach platform integrating the currently scattered efforts at KTH. Four areas of interest have been identified related to the current food austinability challenges: Sustainable Food Production and Consumption, Food Protection and Safety, Food Quality and Health, and Food Processes and Waste Management. The network will provide an arean for stimulating discussions, cooperation and development within KTH, and to promote external collaboration and knowledge exchange with other universities, organisations and food comparies.

Follow this link for more information about the KTH Food Sustainability Network

Contact



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Francisco Javier Vilaplana Domingo Universitetslektor, avd. chef franvila@kth.se 087909939 Profil STRATEGISKA HÅLLBARHETSSTUDIER

GLYKOVETENSKAP

https://www.kth.se/om/miljo-hallbar-utveckling/mhunatverk/kth-food-sustainability-network-1.929605



Activities

- KTH Food Sustainability event 2019
- Matchmaking event today!
- Participation in Food Science Sweden conference 13 Nov 2019
- Report about educational programs in Europe on "Sustainable food systems"
- Participation in The European Federation of Food Science and Technology (EFFOST) 12 – 14 November 2019 (Rotterdam, Netherlands)
- Apply for funding for continuation of the network
- 1-2 more workshops during 2020
- · Suggest activities to us!



Topics for today's workshop





Overall goal

A competitive food chain where total **food production is increasing**, while at the same time achieving relevant national **environmental goals** creating growth and **employment** and contributing to **sustainable development** throughout the country.



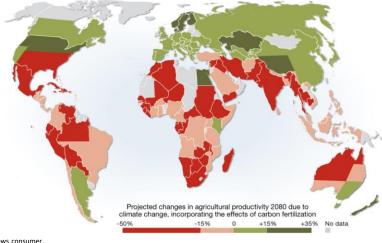


Government Offices of Sweden

Ministry of Enterprise and Innovation



Threat and possibility



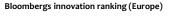
RESOURCE: Food for Tomorrows consumer. (European Technology Platform)

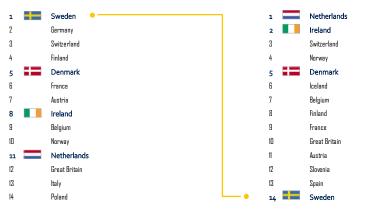




Sweden is an innovative country

- Food industry has great potential

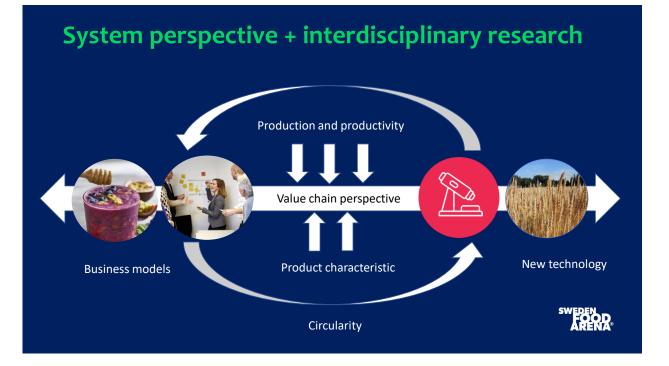






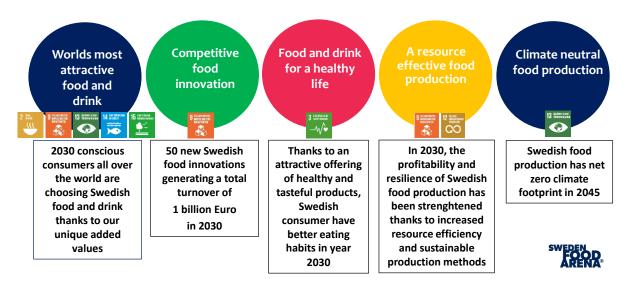


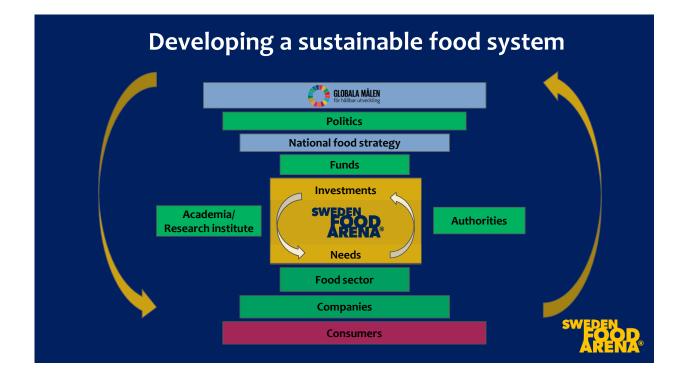
Food related innovation ranking





"Missions"







SWEDEN Føødtech

THE FOOD INDUSTRY IS ENORMOUS



THE IMPACT IS ENORMOUS



FOOD INDUSTRY'S CHALLENGES

- ✓ FEEDING A GROWING POPULATION
- LOWERING NEGATIVE EFFECTS ON ENVIRONMENT
- LESSENING INDUSTRIAL MEAT AND DAIRY CONSUMPTION
- REDUCING WASTE AMOUNTS
- IMPROVING HEALTH WORLDWIDE
- PROMOTING GLOBAL INNOVATION



FOODTECH IS AN ECOSYSTEM MADE OF ALL THE AGRI-FOOD ENTREPRENEURS AND STARTUPS (FROM PRODUCTION TO DISTRIBUTION) INNOVATING ON THE PRODUCTS, DISTRIBUTION, MARKETING OR BUSINESS MODEL.



GENERATE A RADICAL CHANGE



SWEDEN FØØDTECH



We accelerate innovation for the future of food.

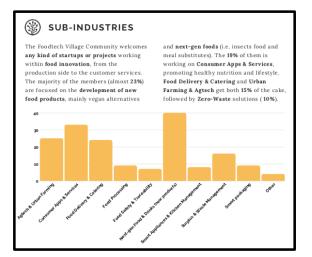
We help entrepreneurs reach their full potential, providing our corporate partners with our expertise in open innovation and emerging technologies; assisting partner VCs with their portfolio startups; promoting the Sweden Foodtech scene at home and abroad through events and conferences. We open doors - locally and around the world. Our ambition is to build the next generation food-system based on tech, data, sustainability and health.

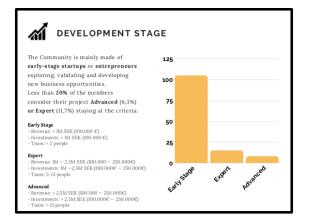


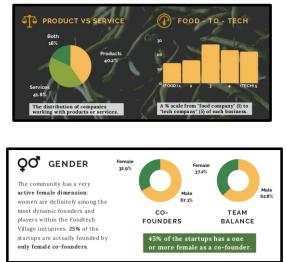
powered by Sweden Foodtech



75% of the members are based in Stockholm. The Foodtech Village countries like China, India, Russia, other members are mainly from the Nordic Countries (Finland, Norway and Iceland) and Europe including Italy, France, Austria,









Stockholm, Good Food City.

Foodtech is set to bring about the disruption of the current food esystem via technology and innovation. Places with a high degree of health-consciousness, sustainability, change-mindedness and technological maturity are set to lead the way. As one such place, Stockholm is a fantastic home to the burgeoning foodtech sector. We are fully committed to building a strong foodtech hub and supporting the City of Stockholm to become the "Good Food City".

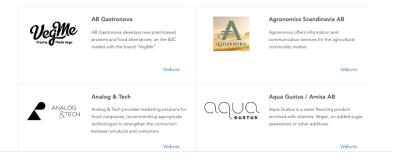




Invest Stockholm is the official investment promotion agency of Stockholm. Together with them, we have mapped and listed all the foodtech startups that are based in Stockholm. Please contact us if you would like to get more information about the **Stockholm Foodtech Ecosystem** and explore collaboration and investment opportunities.

Are you a foodtech startup in Stockholm and you are not listed yet? Please email federico@swedenfoodtech.com

Are you interested in investment and collaboration opportunities? Please email irena.lundberg@stockholm.se



Stockholm The Capital of Scandinavia

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Analog & Tech provides marketing solutions for food companies, recommending appropriate technologies to strengthen the connection between products and costumers.

Website



Aqua Gustus is a water flavoring product enriched with vitamins. Vegan, no added sugar, sweeteners or other additives.

Website



<norrsken> COOD SWEDEN FØØDTECH

blcomer Nurturing foodtech heroes

THE PARTICULAR BLOOMER WE ARE LOOKING FOR NOW

Each Bloomer is unique and one is not like the other, however, to be eligible for our Bloomer Accelerator program, all applicants need to share these traits:

(Mg)

(K)

You are a Foodtech* startup, or another tech startup, with a digital/technical solution relevant for the food system.

- (K) Your company should have a positive sustainability impact mission at your core business
- (MG) You should have reached an MVP or early PoC stage in your development
- (Mb) The solution you are working on should be applicable to the Swedish market
 - The solution should be feasible to pilot through Coop in Sweden, at some point

*Your tech solution could impact and/or involve food products, although products/CPCs should not be in the core, at least not for this first program, in order to secure synergies between our participants. Feel free to submit interest and get in contact with Coop, Norrsken and Sweden Foodtech, as we are keen to help you even if your current offering does not fit these specific program criteria. Reach out directly to hello@bloomeraccelerator.com or to any of our core team members (find each person's email in the Contacts section).

Application deadline: Feb 14th

www.bloomeraccelerator.com



SWEDEN: THE FOODTECH VALLEY

- 🗸 URBAN
- INNOVATIVE
- ✓ SUSTAINABLE
- HEALT-FREAKS
- CHANGE-MINDED
- STRONG FOOD ETHICS
- ... AMAZING TECH SECTOR!

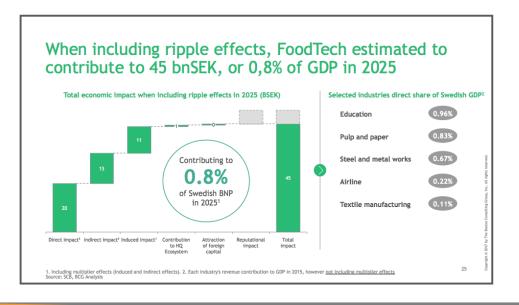






THE OPPORTUNITIES ARE ENORMOUS





AND WHAT ABOUT THE SCIENTISTS?

WE NEED MORE SCIENTISTS INTO FOOD





SWEDEN FØØDTECH

LET'S STAY IN TOUCH!

FEDERICO RONCA

FEDERICO@SWEDENFOODTECH.COM

www.swedenfoodtech.com

Södertälje municipality

A living lab for sustainable food systems

Helena Nordlund, Project Manager MatLust, Södertälje municipality

Diet for a Green Planet – criteria

- · Tasty and healthy food
- Organic products
- Less animal products, more vegetables, legumes and whole grain
- Locally produced according to season
- Reducing leftover food





Södertälje as a municipality that promote sustainable food production

- 13.000 portions = approx 15% of the total aumount of municipality citizens eat Diet for a green planet public meals every day.
- Multiple awards: White Guide junior, bl.a: Årets skolmatskommun, Årets måltidschef, Årets skolmatsrestaurang, Årets Mälardarling, Årets djurvänligaste kommun mf I.
- · 2012-14: Leader project: Södertälje Närodlat.
- 2014-15: URBACT projekt: Diet for a Green Planet, best practice transfer.
- · 2015-18: URBACT projekt: Agri-Urban, action planning project
- 2015-20: Regionalfondsprojekt(ERDF) Matlust, näringslivsprojekt för SME.
- · 2016-18: Municipal cultivation strategy
- 2018: Pollination plane
- 2018-20: Food supply strategy





(KIN)

Project MatLust 2015-2021

Objectives

- Sustainable, profitable and growing food enterprises in the Stockholm region
- Södertälje as a regional node for sustainable food at Södertälje Science Park



The food industry in the region is growing with profitable and sustainable companies





(K10) (K10)

Testbed – Public Kitchen Swedish ingredients – new products





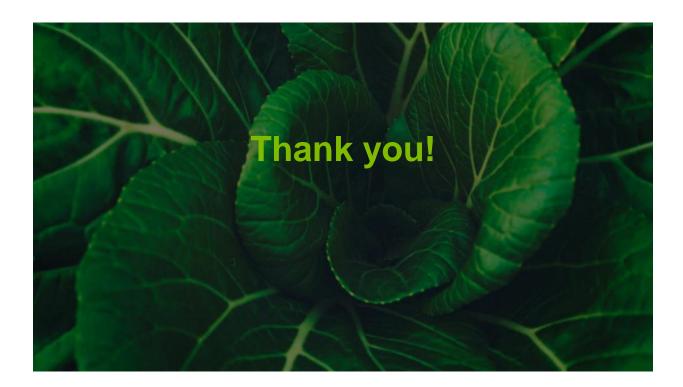
Sustainable volume targets for the municipality

Replace	Product	Target volume 2019	% increase from 2018		
Rice/bulgur	Whole barley Whole wheat , Riceoat	10 ton	+ 70%		
	Rice	20 ton	- 30%		
Chicken	Hen	10 ton	+ 80%	SODERTĂLIE SCIENCE	
tuecklir	Chicken	25 ton	- 30%		

24/01/2020

About 150 companies has participated or participate in Matlusts development program since its start in 2015/16.







Mingle and exhibition

10.15-10.45 Mingle and exhibition

The purpose of networking:

- New contacts
- New knowledge
- New innovative ideas
- Possibilities to new businesses

61



Matchmaking

10.45-11.45 Matchmaking

The themes in line with the topics you submitted before this day:

- 1. Sustainable production and consumption
- 2. Logistics
- 3. Digitalisation
- 4. Functional food products
- 5. Health
- 6. Waste
- 7. Circular processes
- 8. Food security

2020-01-24

