

Collaboration

VIDA – Value-added Innovation in Food Chains

Morten Kildahl Sorensen
Chief Project Manager, CLEAN
mks@cleancluster.dk

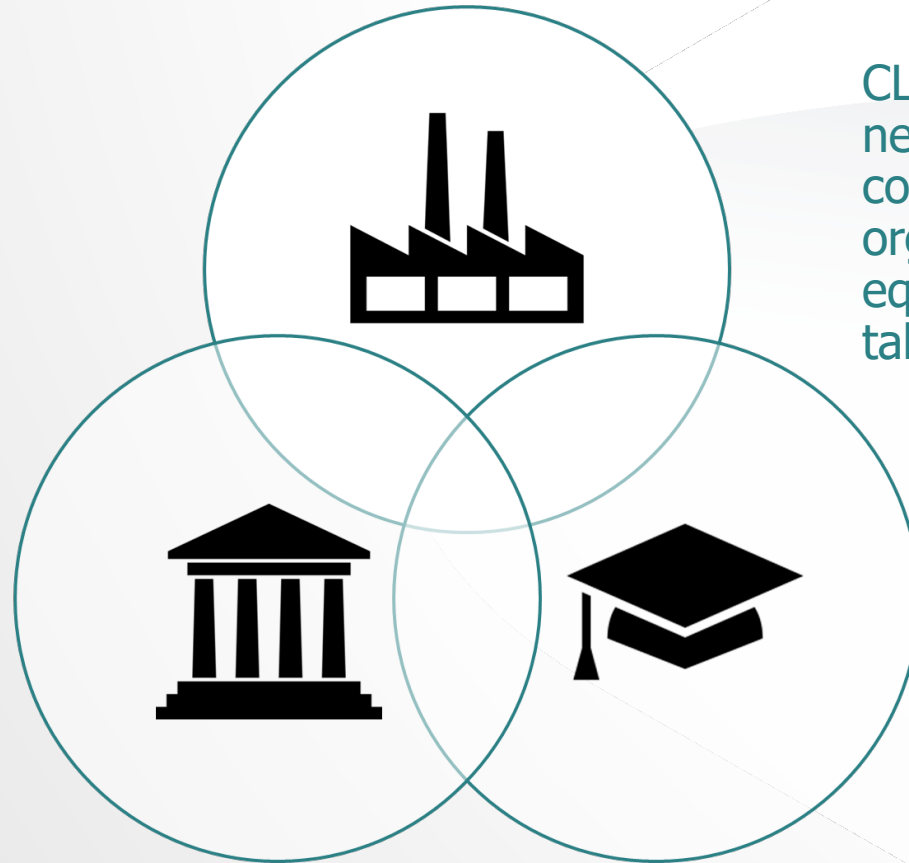
Milano, 05. marzo 2019



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INNOVATING GREEN SOLUTIONS

CLEAN

- Public authorities = “problem owner”, purchasing power, demand
- Research institutions = cutting edge knowledge, innovation, and new ideas
- Private companies = ability to commercialize and scale new solutions



CLEAN is a politically and technologically neutral platform, where Danish and foreign companies, knowledge institutions, organizations and authorities meet on equal ground, exchange knowledge and take part in new innovative projects.

ABOUT CLEAN

Innovating Green Solutions



Smart city



Smart Energy



Environmental
technologies



Export



Innovative tenders



International collaboration
with other cleantech
clusters





CLEAN
connect

We **connect** people and organizations in beneficially mutual partnerships

CLEAN
develop

We **develop** new concrete initiatives

CLEAN
implement

We **implement** ideas as solutions to increase jobs and growth in Denmark

CLEAN Dashboard

- charts and statistics

49
PROJEKTER



Samlet projektbudget

677,8 M

CLEANs projektbudget

157,4 M

23
PIPELINE



Samlet pipelinebudget

508 M

CLEANs pipelinebudget

70,9 M

173
MEDLEMMER



Kernemedlemmer

27

Almindelige medlemmer

146



DELTAGERE

1000+ Deltagere

50+

Netværksaktiviteter

100+ Deltagere

15+

Arbejdsgrupper

124 Deltagere

9

Virksomhedsforløb

133 Deltagere

41

Innovationsprojekter

41 Deltagere

9

Eksportprojekter

CITY SOLUTIONS PLATFORM

Supporting early engagement between cities and the private sector to accelerate the deployment of innovative climate solutions.

www.solutionsforcities.com

www.c40.org/programmes/city_solutions

90
CITIES
WORLDWIDE



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INNOVATING GREEN SOLUTIONS

C40
CITIES
CLIMATE LEADERSHIP GROUP



CLEANS INNOVATION MODEL PLASTIC

<https://www.cleancuster.dk/project/innomodel-plast/>

"With this tender we want a higher quality in recycling than we see today. We want to work towards the circular economy where plastic is a resource in line with new raw materials".

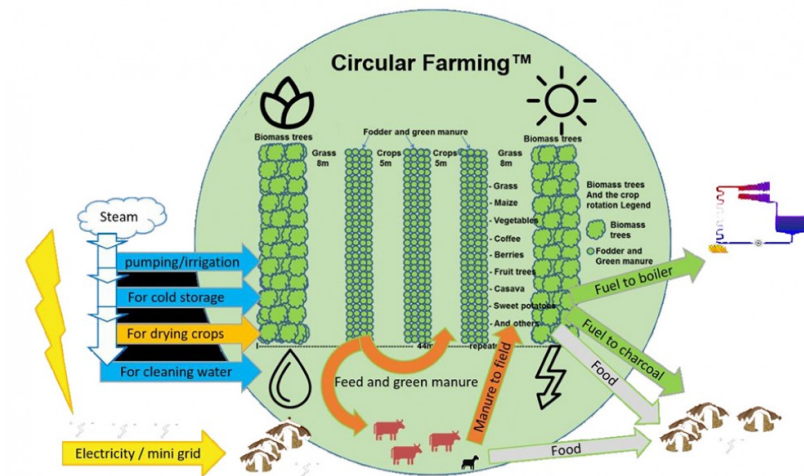
Morten Kabell

Mayor, the Technical and Environmental Administration,
City of Copenhagen

40
PARTICIPATING
MUNICIPALITIES

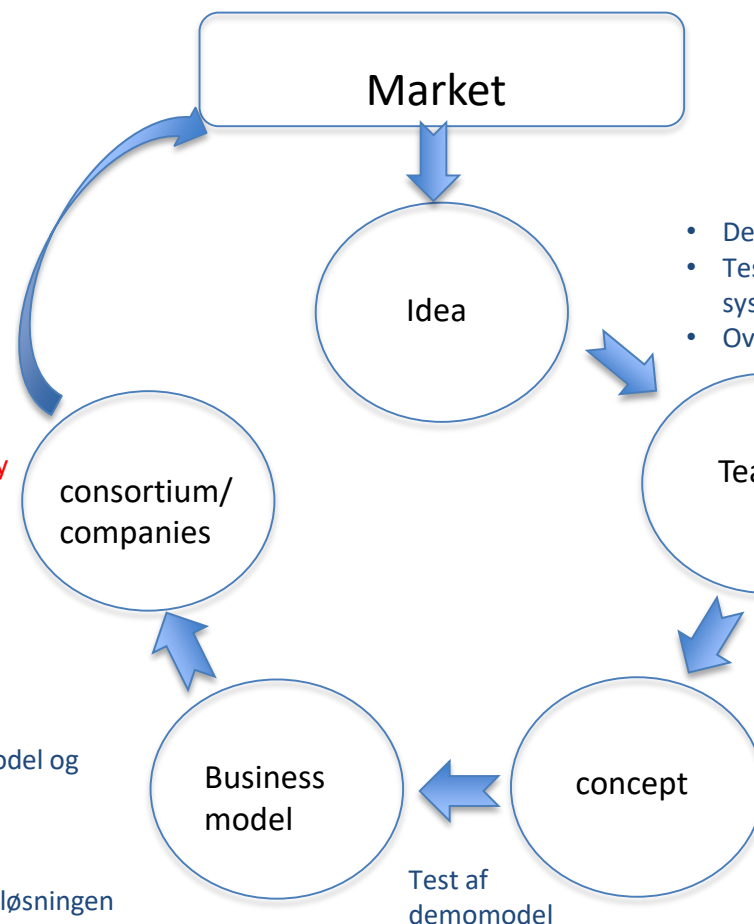


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INNOVATING GREEN SOLUTIONS



- Underskrift af Konsortieaftale/ny virksomhed
- Pitch

- Underskrift af LOI
- Vandrejournale
- Udvikling af forretningsmodel og budgetter/nøgletal
- Kunderejse
- Finansiering
- Kommunikation af systemløsningen
- Evt. test af demomodel på et eksportmarked
- Organisation og proces



- Definition af Hypotese/problem/ide
- Test af ideen hos potentielle virksomheder til systemløsning
- Overordnet markedsafdækning

- Underskrift af SE2M dokumenter
- Igangsætning af vandrejournale
- Mål/Vision/mission/strategi
- 1. udkast til BMC
- Markedsanalyse
- Konkurrentanalyse
- Dannelse af team

- IP rettigheder
- Vandrejournale
- Teknisk udvikling af systemløsning - demomodel
- 1. Udkast til POC
- Evt. nye medlemmer af teamet
- Teamudvikling

Under hele forløbet bruges blomsten til status og til at drøfte næste step

SME FOCUS



365

MEMBERS



30

MILLION IN FUNDING



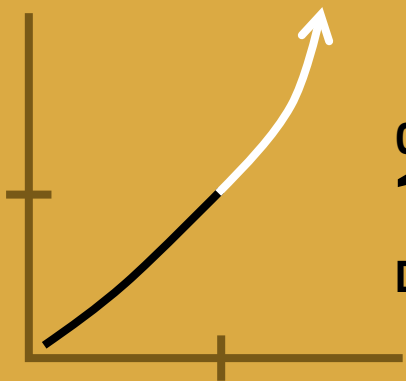
47

PROJECTS

THE FUTURE OF MOBILITY

rising to
30 Billions
DKR within few years

Car ques cost Danish society
15 Billions
DKR yearly



DEMAND DRIVEN APPROACH



VIDA aims to accelerate the implementation of new solutions (preferably key enabling technologies) in the food sector which improve the usage of water and energy with the ambition to reduce losses and consumption. VIDA has three different types of funding vouchers to support small and medium-sized enterprises (SME) seeking new resource efficient solutions.



clúster aragonés de
alimentación



wateralliance



nanoprogress
THE NANOTECHNOLOGY CLUSTER



Innovative challenges

- Denmark



Value-added Innovation in food chAins

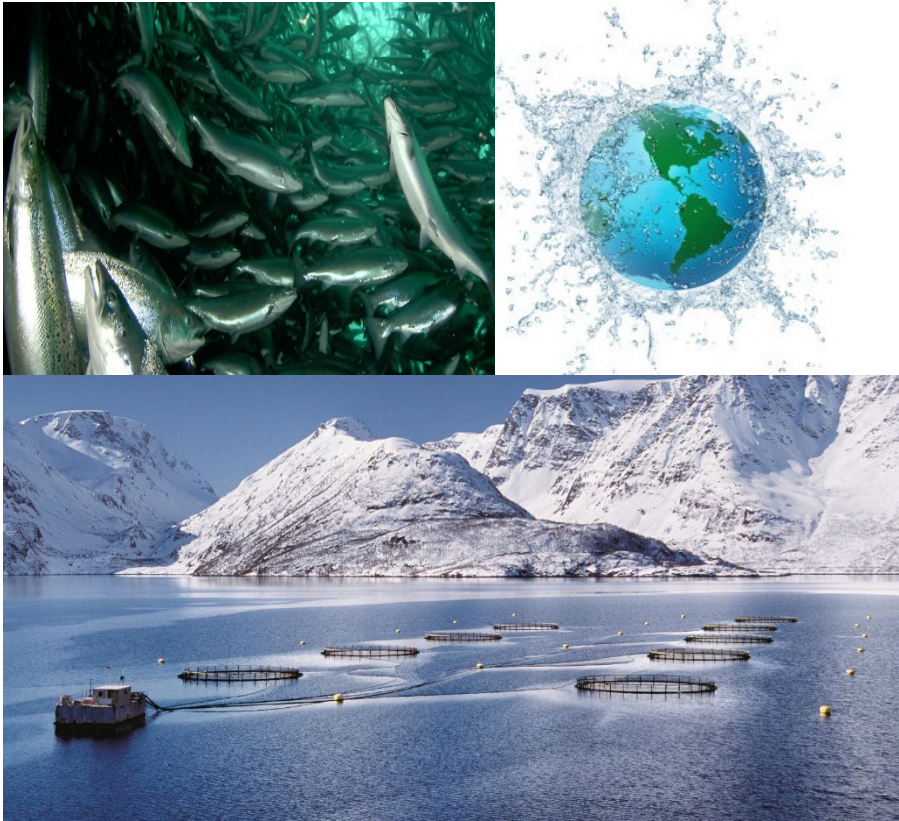


INNOVATION NETWORK FOR
ENVIRONMENTAL TECHNOLOGY



European
Commission

RAS Innovation



Denmark is on the forefront of healthy fish farming production and aquaculture using recirculating aquaculture systems (RAS) is appreciated where water exchange is limited, but virus and effluents is a problem.

How can we make tomorrows solutions even better with better fish welfare, less energy, water and better wastewater treatment in cold/warm fresh/seawater?

Aqua Circle together with Water ApS and offers facilities to this innovative challenges of implementing an innovative RAS solution.

Flexible consumption of electricity for supermarkets refrigerating plants

The Danish supermarkets use expensive resources for energy consumption in connection with refrigeration plant cooling and with the current incentive plan with spot prices, an economic potential for deploying ex. cold stores in refrigeration plants, so that electricity consumption becomes flexible (over a 24-hour period).

A 2018 pilot is organised to understand the impact on the life of compressors and other parts with fewer start and stop. Food refrigeration plants are with cooling(ca.5C) and frozen(ca.-25C) Private companies like COOP and Danfoss are involved in the pilot.



Meat processing Factory

How to make a meat processing factory energy and water sustainable?



THANK YOU FOR YOUR ATTENTION