

DOUBLE ISSUE

MARCH 2 / MARCH 9, 2038



Transnational European Collaboration – EU Innovation Valleys by 2030

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EC Climate Adaptation Mission Board

Ingemar Hedenius: FREE, CURIOUS AND EASE IN AN UNCERTAIN WORLD

Fact-science-based mindset, reflective & self-aware, empathetic & culturally literate, entrepreneurial & responsible



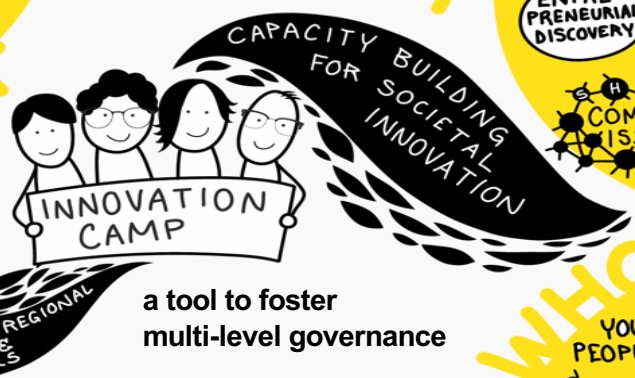
INDUSTRY

- Profound, specialist knowledge
- Content understanding
- An ability to take leadership tasks
- Excellent communication skills
- Analytical and creative skills
- An underst. of culture and values
- An ability to hit ground running

YOUNG PEOPLE

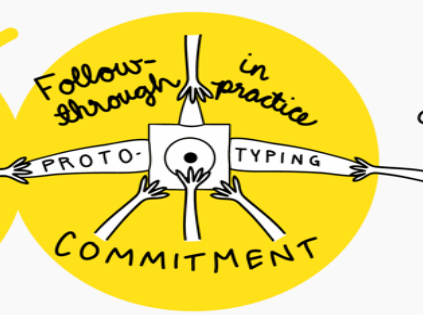
- Meaningfulness
- Appreciation
- Contributing to the better world (SDGs)
- Identity based on life-style
- Aesthetics (beauty, fashion, health, self-image)
- Compensation (know their value, have choices)





a tool to foster multi-level governance

REGIONAL & CROSS REGIONAL COLLABORATION & NETWORKS



3-YEAR

CROSS REGIONAL ENGAGEMENT PROCESS

CAPACITY BUILDING FOR REGIONAL INNOVATION & RIS3 IMPLEMENTATION

SMART-UP BSR: BALTIC SEA REGION

LEARN HANDSON

INNOVATION CAMPS

BUILD SOLUTIONS

DYNAMIC

policy & decision-making

CIRCULAR

ECONOMY

BSR RIS3

DIGITALISATION IN

SMART CITY

ENTREPRENEURIAL

BSR 2040

SMART & SUSTAINABLE

ENGAGING

CLIMATE CHANGE

BSR BOTTOM-UP INNOVATION & PROCESS EXPERIMENTATION

9 COUNTRIES

26 ASSOCIATE PARTNERS

BALTIC SEA AREA

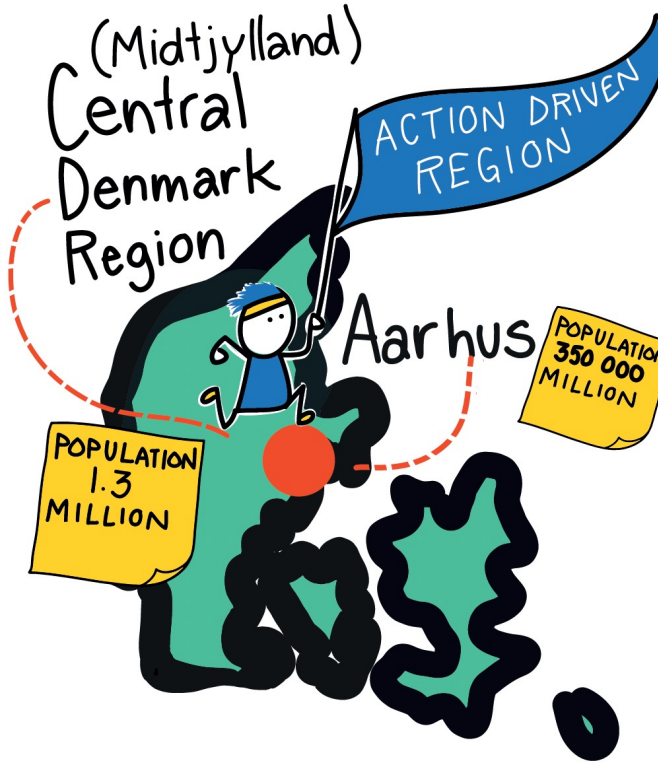
13 PARTNERS

INCL. JRC & DG REGION

EVIDENCE

RAQUEL BENMERGUI





Strategy
<ul style="list-style-type: none"> • Innovation as a key priority • The connection between regional and national priorities • Cross-cutting priorities to support regional spearheads
Actions
<ul style="list-style-type: none"> • Innovation unit in the city office • Smart City and sustainability actions related to strategy • iCapital 2018 finalist
Competitiveness
<ul style="list-style-type: none"> • Aarhus University with international standing • Digitalization & Competence of users • Sustainability and focus on green issues • Youth entrepreneurship
Competences
<ul style="list-style-type: none"> • University, knowledge institutions • Digitisation, automation • Competence of users • Creative industries and cross-cutting competences
Culture and Leadership
<ul style="list-style-type: none"> • City and Region are tightly connected • Participatory processes • Community thinking • Committed to collaboration



29 September 2021

Concrete solutions for our greatest challenges

CHALLENGES

- Climate change is an immediate threat to our **health, economy and way of life**.
- We are experiencing increased floods, hurricanes, forest fires, heatwaves and droughts.
- In the EU, the impact of climate change already costs at least **€12 billion per year**.

OPPORTUNITIES

- Be prepared for inevitable changes and extreme events;
- Share experiences and solutions;
- Prevent significant economic losses.

GOAL

Support at least 150 European regions and communities to become climate resilient by 2030

ACTIONS

- The Horizon Europe programme will provide **€368.3 million** in seed funding during the period 2021-23 to help deliver on the mission;
- Establish a **Mission Implementation Platform** to support and coordinate delivering the mission and assist participating regions;
- The mission will **start working with 60-100 regions** between 2021-23, and continue with another 50-100 regions.

Luxembourg: Publications Office of the European Union, 2021

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28 April 2022

MEET THE CITIES

OBJECTIVES OF THE EU CITIES MISSION

- 100 **climate-neutral and smart cities** by 2030
- Ensure that these cities act as **experimentation and innovation hubs** to put all European cities in a position to become climate-neutral by 2050

SELECTED CITIES

- 100 EU cities
- 12 cities from countries associated to Horizon Europe, the EU's research and innovation programme (2021-2027).



Cities from every Member State



Capital cities



Small, medium, large cities

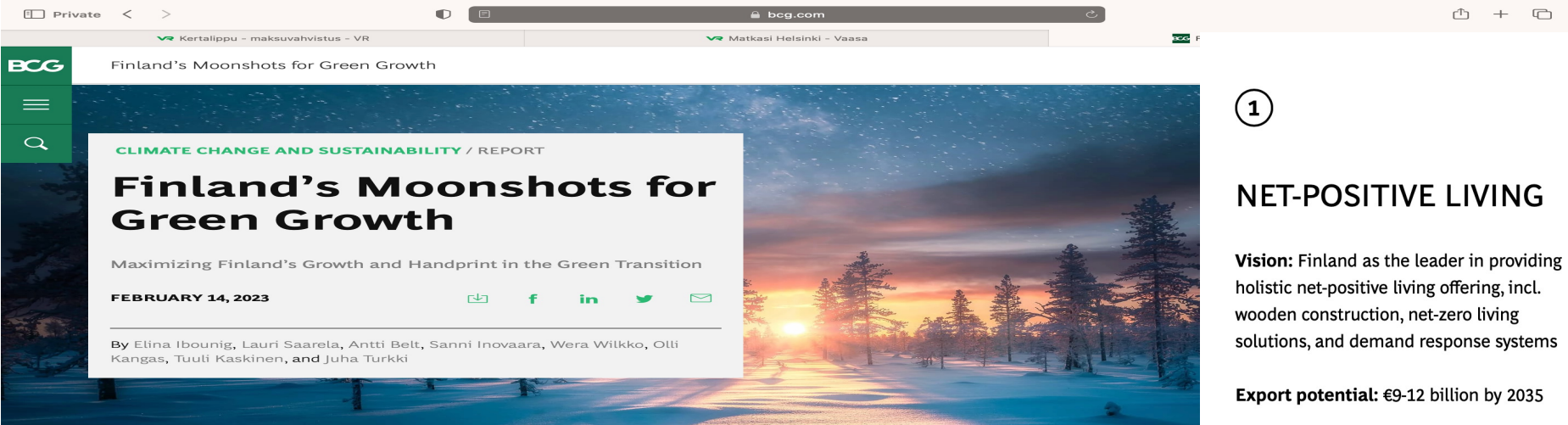


Frontrunners and less prepared cities

BENEFITS FOR CITIES

- Tailor-made advice and assistance** from the Mission Platform (managed by the **NetZeroCities** consortium)
- Unlocking additional **funding and financing opportunities** through a Mission label
- Research & innovation funding opportunities** for cities to join large innovation actions, pilot projects and demonstrations (total budget from Horizon Europe for 2021-2023 is €360 million)
- Support through a national **coordination network**
- Networking opportunities, **learning and exchange of experiences** among cities
- Support with **involving citizens in decision-making**
- High visibility** – raised political profile and **attractiveness** for investment and skilled workers





1

NET-POSITIVE LIVING

Vision: Finland as the leader in providing holistic net-positive living offering, incl. wooden construction, net-zero living solutions, and demand response systems

Export potential: €9-12 billion by 2035

2

BIO-BASED PRODUCTS AND MATERIALS

Vision: Finland as the global leader in developing and supplying advanced bio-based solutions, incl. circular textile fibers, circular consumer packaging, long-lasting consumer products, and advanced lightweight biomaterials

Export potential: €10-13 billion by 2035

3

DECARBONIZATION TECHNOLOGY AND SERVICES

Vision: Finland as the forerunner in providing smart technology solutions for high-emitting industrial processes, incl. electrification, lifecycle services, and energy system optimization

Export potential: €30-32 billion by 2035

4

CIRCULAR BATTERIES AND GREEN METALS

Vision: Finland with a circular battery ecosystem, and Finland as the leading supplier of green specialty steel, and other metals in Europe (e.g., for advanced applications in automotive and aviation)

Export potential: €27-29 billion by 2035

5

GREEN HYDROGEN-ENABLED SOLUTIONS

Vision: Finland as a competitive country for producing green hydrogen-enabled solutions, incl. green steel, synthetic fuels, green ammonia-based fertilizers, and food proteins

Export potential: €10-12 billion by 2035

CRISES INNOVATION

WELLBEING SUSTAINABLE GROWTH
By 2030
Helsinki-Uusimaa carbon neutral
R&D investment 5 % of GDP
employment 80 %

GRAND SOLUTIONS
SYSTEMIC SOLUTIONS THAT DON'T EXIST YET
INTANGIBLES
TALENT
SERENDIPITY
SOCIETAL & ENTREPRENEURIAL PROBLEMS
ATTRACT + RETAIN

GREEN TRANSITION
FIT FOR 55
DRIVER ECOSYSTEMS

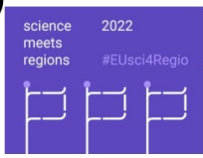
MINDSET
RISK TAKING ABILITY
ROCK BOX
OPERATING ENVIRONMENT
CHANGING RAPIDLY
RESILIENCE
TRANSFORMATION

BETTER
PUBLIC
PRIVATE
UNIVERSITY
NATIONAL CHAMPIONS
ECONOMY
COMPANY
DOES SIZE MATTER?
WHERE?
SECTORS
E-COSYSTEMS
VISIBILITY

INVEST
UNIVERSITIES
CROSS-SECTORAL
PUBLIC SECTOR
COMPANIES
ECOSYSTEMS
FOR SIGHT

PERSEVERANCE
TRUST
COOPERATION
TIME
European Commission

Uudenmaan Science Meets Regions Innovation Camp 4.5.22



Uudenmaan lito Nylands förbund

EU Innovation Valleys by 2030

Raquel Benmergui, Raakku & Co

strengthen carbon sinks

IRTAUTUMINEN FOSSILI ENERGIASTA

LAKI

FOU

SKAALAUS

NOPEA KEHITYS

liikenne

GREEN POWER

solidarity collaboration SYNERGY

CITIZENS' NEEDS

COCREATION

CITIES' SPECIFIC NEEDS

SMART CLIMATE NEUTRAL

TOGETHER

TAILOR MADE SUPPORT

unity

HOLISTIC VIEW

UUSIMAA

FAST

MOVE FORWARD

CRISIS

OPPORTUNITY

URGENCY

Cross pollination

VIIKKI INNOVATION PLATFORM

#COOONSTAGE

together

OUR INNOVATION SYSTEM IS IN ITS INITIAL STAGE OF DEVELOPMENT

CREATE ENERGY

PEOPLE

PLANET

PROFIT

POLITICS

SMART ENERGY

WILL TO TAKE ACTION

FINLAND = HAPPIEST COUNTRY

INNOVATION COMPANY VIT

CROSS POLLINATION

MOST INNOVATIVE

GLOBAL

FACT-BASED KNOWLEDGE

MEASURED

RE100

CC

GLOBAL COMPACT

INVESTMENT

VAISALA

IN HOUSE APPLIED RESEARCH

CLIMATE CHANGE MANAGEMENT STRATEGY

RIGHT DIRECTION

INNOVATIONS

BUSINESS

STABLE



Uudenmaan liitto
Nylands förbund

science meets regions 2022 #EUsci4Regio

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TIME

*THE
ASTONISHING
SAGA OF
EUROPEAN
DEMOCRACY*

EU Innovation Valleys by 2030