



KUOPIO WATER CLUSTER



Patryk Wójtowicz, DSc (Tech.)

Research Manager
Environmental Technology
Smart Water Group

Contact:

E: patryk.wojtowicz@savonia.fi
M: +358 44 785 5564



Eero Antikainen, MSc (Tech.)

Cluster coordinator
Head of Research, Environmental Engineering

Contact:

E: eero.antikainen@savonia.fi
M: +358 44 785 6325

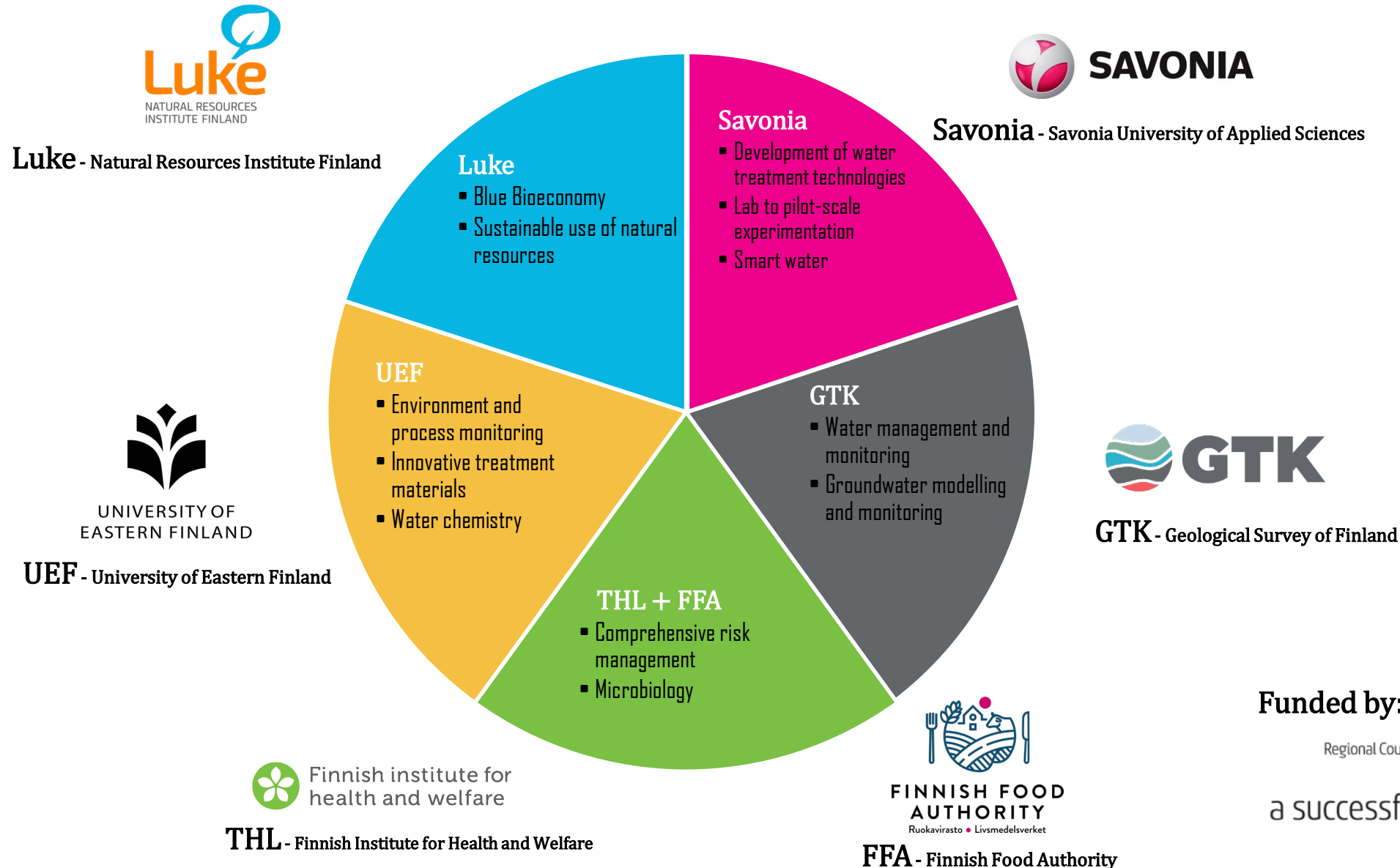


SCAN ME

Introducing Kuopio Water Cluster - solutions for water sector

Patryk Wójtowicz, Eero Antikainen

KUOPIO WATER CLUSTER - key Savilahti partnership



Funded by:

Regional Council of Pohjois-Savo
supports
a successful region



Euroopan unioni
Euroopan aluekehitysrahasto
Euroopan sosiaalirahasto

KUOPIO **WATER** CLUSTER

MAIN OBJECTIVES

- Establish a one-stop shop for water sector RDI-services in Pohjois-Savo region
- Create a water-based ecosystem
- Contribute to the creation of new business in water sector (startups, new products and services, etc.)
- Attract new businesses to the region (locomotive companies, SMEs...)
- Strengthen the position and capability of existing companies in the area of potential growth
- Promote access to the international markets

KWC – focus on product development



Processes: Development of water treatment technologies and closed water cycles



Environment: Prevention of pollution of water and groundwater, management of agricultural water and industrial water



Smart Solutions: Digitalisation in water sector

DiGiCENTERNS

THE DIGITAL INNOVATION HUB OF NORTHERN SAVO REGION

- Digitalization competence centre
- R&D in digitalisation
- Solve business problems together with customers by using means of digitalization

BUSINESS CENTER POHJOIS-SAVO

- Business services
- Startup accelerator
- Business development
- Commercialisation

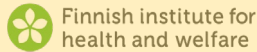
KUOPIO WATER CLUSTER

- Testing and product development
- Piloting and product demonstration
- Proof of Concept
- Development space and hardware resources
- Coordination of business cooperation

Knowledge and business
research needs



UNIVERSITY OF
EASTERN FINLAND



FINNISH FOOD
AUTHORITY
Ruokavirasto • Livsmedelsverket

- Fundamental research
- Applied research
- Innovation
- Training

Research
TRL 1 - 4

Development
TRL 5 - 8

Commercialisation
TRL 9 - 10

KUOPIO WATER CLUSTER CUSTOMER GROUPS

Solutions Providers

- **Start-ups aiming at the water sector:**
BioSD4 Oy, Preventos Informatics Oy, Aquamatrix Oy, Sulfator Oy, 3AWater Oy, Wateco Oy...
- **SMEs operating in the water sector:**
Sansox Oy, LedFuture Oy, Econet Oy...
- **Large technology suppliers (locomotive companies):**
Outotec Oy, Valmet Oy...

End Customers

- **Water-intensive industries:**
Agnico Eagle Finland Oy, Stora Enso Oy, Finnish Minerals Group Oy, Keliber Oy, Yara Finland Oy...
- **Water supply sector:**
Municipal water utilities, water cooperatives, technology suppliers...
- **Agriculture and primary production:**
more than 3400 Pohjois-Savo region agricultural entrepreneurs, Valio Oy...