

A man with a beard, wearing a VR headset and a plaid shirt, is smiling and pointing upwards. He is in a workshop or office environment with other people in the background. A purple diagonal graphic element is on the left side of the image.

Synergies between Horizon 2020 and ESIF in Sweden

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The Swedish Agency for Economic and Regional Growth

Our vision:

A growing number of entrepreneurs and enterprises with the ambition, capacity and courage to grow and thrive.

ESIF 2014-2020 in Sweden

899

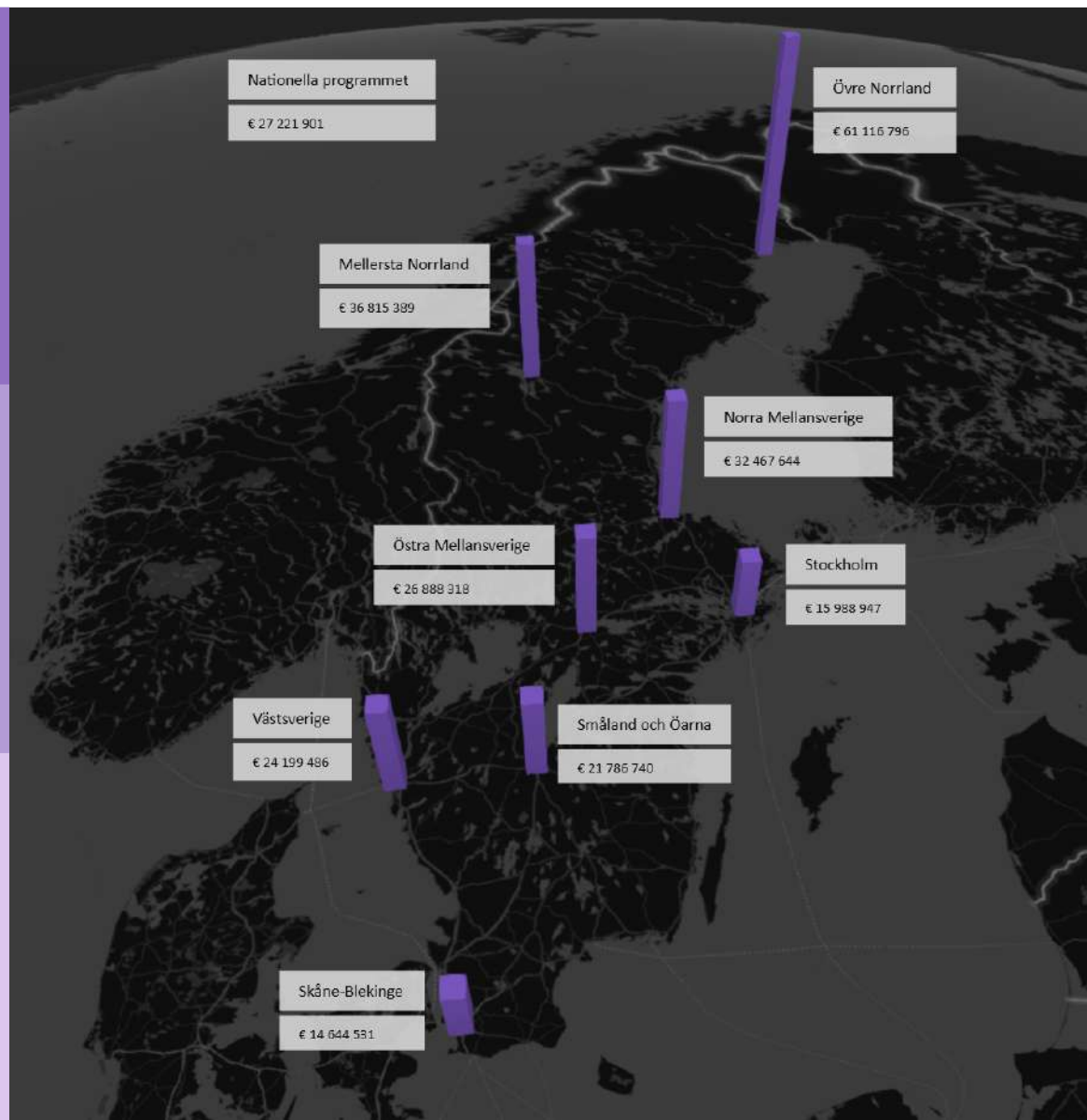
millions EURO (exkl. TA) in EU funding is budgeted to the Swedish ERDF-programs 2014-2020

261,1

millions EURO in EU funding is budgeted to R&D-projects.

9

programs



Structure of research funding in Sweden

Swedish institutions that manage research programs from national and from ESIF budgets

- ▶ Swedish Agency for Economic and Regional Growth
- ▶ Vinnova - Sweden's Innovation Agency
- ▶ Swedish Energy Agency
- ▶ The Swedish Research Council
- ▶ The Swedish Research Council Formas



Mechanisms supporting H2020-ESIF synergies

- ▶ Example of Swedish governance arrangements:
 - Research and Development Network
 - Team Innovation
 - National NCP network for H2020
- ▶ National coordination of Smart specialisation



Smart specialisation in Sweden

Priority areas in Övre Norrland

- Life science and health
- Test sites for vehicles
- Sustainable energy and clean tech
- Experience economy
- Digital services

Priority areas in Norra Mellansverige

- Smart materials
- Energy efficiency
- Tourism

Priority areas in Västsverige

- Life science and health
- Sustainable transportation
- Sustainable city
- Sustainable production materials
- Green chemistry
- Green growth and tourism

Priority areas in Skåne-Blekinge

- Smart materials
- Smart and sustainable cities
- Health



Priority areas in Mellersta Norrland

- Wood
- ICT
- Sports and Health
- Tourism

Priority areas in Östra Mellansverige

- Sustainable food supply
- Life science with welfare and health
- The energy solutions of tomorrow
- Smart industry

Priority areas in Stockholm

- Sustainable city

Priority areas in Småland och Öarna

- Smart Housing – Wood, glass, IT and design
- (Tourism, Food)

We used clusters for connecting areas of strength

A minimum of three mature clusters/milieus from at least two different regions should collaborate in order to:

Stimulate border crossing cooperation between clusters or milieus in different regions

Support the development and renewal of Swedish key areas

Complement ongoing activities in the clusters with new knowledge and competence

Criteria

Selection Criteria

- ▶ **Long-term approach:** The project supports long-term development.
- ▶ **Involvement of business** The project involves and creating benefits for business
- ▶ **Collaboration** The project contributes to increased cross-border cooperation at regional, national, transnational level and/or between sectors
- ▶ **Organisational capacity** The beneficiary has the organizational capability to manage the project.

Assessment Criteria

What is the added value of the project? What should be developed? In what way represents the project a Swedish area strenght and its further development and renewal?

Which actors are involved and what are their expertise? In what way contribute the various stakeholders to the project development?

How are the actors nationally and regionally based? Are they going to cooperate with an international partner?

What is the expected result of the project?

Who are the expected co-financiers of the project? Mirrors the co-financing the participation of research, business and the public sector?

Cross-clustering projects representing Swedish areas of strength (nr 1)

Health at home

This is about to facilitate the implementation of digital solutions in the health care system and will promote higher growth in the SMEs. The clusters/project partners are: Swedish Association of Local Authorities and Regions, Umeå Stockholm Science City, STUNS in Uppsala, Center for innovation and e-health in Umeå

SVIFFT - Evolving Sweden's Future Aerospace Industry through collaboration

The purpose is to further raise the aerospace industry in Sweden as a national area of strength. The ambition is to promote higher international competitiveness among the SMEs. Clusters/Project partners: Aerospace cluster Sweden, Linköping, Region Västra Götaland, Region Östergötland, Innovatum, Trollhättan, Swerea s'Sicomp, Öjebyn, Swerea IVF in Stockholm

SWElife Hands on

Increased added value of national and regional R&I within Life science. This will ensure several growing SMEs in Swedens life science industry, through increasing private and external investments in the companies – through a special model.

Clusters/Project partners: STUNS, Uppsala, Lund University, Umeå Biotech Incubator, Linköping University Holding AB.

Cross-clustering projects representing Swedish areas of strength (nr 2)

Innovation Square

This initiative will bring companies and producers together within furniture, glass, textile, architects, the public sector and leading research actors within material and sustainable material.

Clusters: Smart Textiles, Smart Housing, Interior Cluster.

New value chains within Offshore

The purpose is to strengthen the technical development within offshore and material. This initiative has a clear approach within environment and energy.

Clusters/Project partners: Jernkontoret/Triple Steelix, The university of Mälardalen, SP, Future Positioning X, Swedish Steel Yachts.

SAMLA

This initiative will support innovation and the development process for the SMEs within the foodstuff industry through easier access to capital, knowledge and competence. The purpose is also to establish network and channels for improved cooperation between SMEs and research actors – for future competitiveness.

Cluster/Project partners: SP, Skåne Food Innovation Network, Nifa, Netport Science Park

One example of results from cross-clustering and mobilisation:

SVIFFT - Evolving Sweden's Future Aerospace Industry through collaboration



Clean Sky is the largest European research programme developing innovative, cutting-edge technology aimed at reducing CO₂, gas emissions and noise levels produced by aircraft. Funded by the EU's Horizon 2020 programme, Clean Sky contributes to strengthening European aero-industry collaboration, global leadership and competitiveness.

(<http://www.cleansky.eu/>)

Summary

- ▶ Strong focus in ESIF in Sweden on building innovation capacity
- ▶ Cross-border collaboration- and mobilisation attracts resources both from ESIF and from Horizon

