

# Smart Specialisation Strategy in Region Västra Götaland with a specific focus on aerospace

CleanSky2, 2015-09-11,  
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# The regions's smart specialisation areas

VG2020 is our regional smart specialisation strategy. It contains 5 plus 6 areas with dedicated R&D programs.

## FiveClusters

FIVE CLUSTERS IN WEST SWEDEN WITH STRENGTH AND POTENTIAL FOR THE FUTURE



### Urban Future page 6-9



SWEDEN IS ONE of the leading countries therefore a role model internationally most attractive regions of the country grown more population-wise in the

### The Marine Environment and the Maritime Sector



THE SEA IS one of West Sweden's core environment goes way back. Herring fisheries are some examples. The maritime public and private sectors of the

### Transport Solutions page 14-17



THE TRANSPORTATION SECTOR is fast Climate researchers estimate that for emissions from road transports must recruit and focus resources and to work

### Green Chemistry and Bio Based Products page 18-21



A SUSTAINABLE DEVELOPMENT of the its flows of materials and energy. Such hard work and a team effort involving West Sweden is uniquely suited to lead so-called green chemistry.

### Life Science page 22-25



THE FIELD OF life science covers a large global level, including possible solutions for example related to an a West Sweden's public actors have commissioned former Prime Minister done to develop the life science sector

...and six areas

- Textiles/fashion/design
- Sustainable production (including advanced materials)
- Cultural and creative industries
- Food/green industries
- Renewable energy
- Information and communication technology

Aerospace is supported by both 'transport solutions' and 'production'.

# Tools/strategies for smart specialisation

- Develop regional research intensive clusters (other measures focus on entrepreneurship and SME development). Close collaboration with industry, institutes and academia.
- Collaboration with other RTD policy actors: European (e.g. Clean Sky), national (e.g. VINNOVA), national 'regional' (e.g. Tillväxtverket and its ERUF-funds), other regions (e.g. Region Östergötland), municipalities (e.g. Gothenburg).
- Use our (in the Swedish context comparably large) regional tax funds to leverage other actors initiatives.

*...in the area of aerospace we aim to...*

- contribute to sustainable aerospace development
- contribute to sustainable production processes and advanced production technology development for the aerospace sector

Source: VG 2020, Strategy for growth and development. Regional Smart Specialization Strategy. (translated from Swedish version).

# Historic regional support of aeronautics cluster

- **Innovatum Science Park** – Innovation platform. Founded by Volvo Aero (now GKN) and Region Västra Götaland et al in late 1990s. One of six "regional" Science Parks. Funded by Region Västra Götaland since start. Advanced production technology has been a main focus area.
- **Technology Development Centre (PTC)** – Innovation platform. Founded in 2008, hosted by Innovatum Science Park. Collaboration between Volvo Aero (GKN) and production research groups at University West. Co-funded by Region Västra Götaland.
- **Aeronautics projects at PTC**- InSide, HotLabs, ColdLabs, Prosam, MapLab, etc. Co-funded by Region Västra Götaland, Vinnova, Swedish Agency for Economic and Regional Growth (Tillväxtverket) through European funds, and the Swedish agency, the Knowledge Foundation.
  - **Ex. Prosam** - research group collaboration between University West and Chalmers University of Technology and region Västra Götaland. Main focus is production technology for aerospace engine components
  - **Ex. MapLab** – Joint European regional fund (Tillväxtverket) and Region Västra Götaland funding of scientific instruments and professors. Main focus is production of aerospace engine components
- **LIGHTer Arena** – Regional funding of a 'regional node' for SME cluster development, which is linked to the national arena.
- **Advanced materials** research (nanomaterials research) – Innovation Lab for research intensive SME.

# Future support of aeronautics cluster

- RTD for aeronautics production technology has been one of the major areas that VGR has supported since the region was established in 1999. The region is committed to continue the support of this area
- Recent regional activity in response to CS2 discussions
  - An application for new lab infrastructure for additive production in aerospace (regional funding is combined with ERUF)
  - A unique joint research infrastructure program is discussed between academia, institutes and industry. Aerospace is the main focus area (regional funding is combined with ERUF)
  - A regional program for production is prepared (as part of our regional strategy)