

Visual Sweden

- A knowledge hub for R&D -

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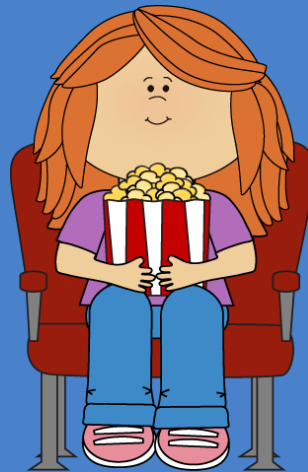


Linköping University

Visual Sweden

- A knowledge hub for R&D -

Let's start with a movie!



THE MAIN INGREDIENTS

A coordinated innovation system

East Sweden Business Region

Smart specialisation strategy

Private public partnerships

Interdisciplinary research

LiU Visualization & Simulation

Living labs and demo environments

Clusters, Science centres,

Open Innovation Arenas

All gathered in a coherent arena - Visual Sweden



East Sweden Region



- Half of Sweden's population and 30% of its industrial production within a radius of 200 km
- 13 municipalities
- One University
- About 40 000 companies
SAAB, Ericsson, Siemens, Toyota ...

Our Strength



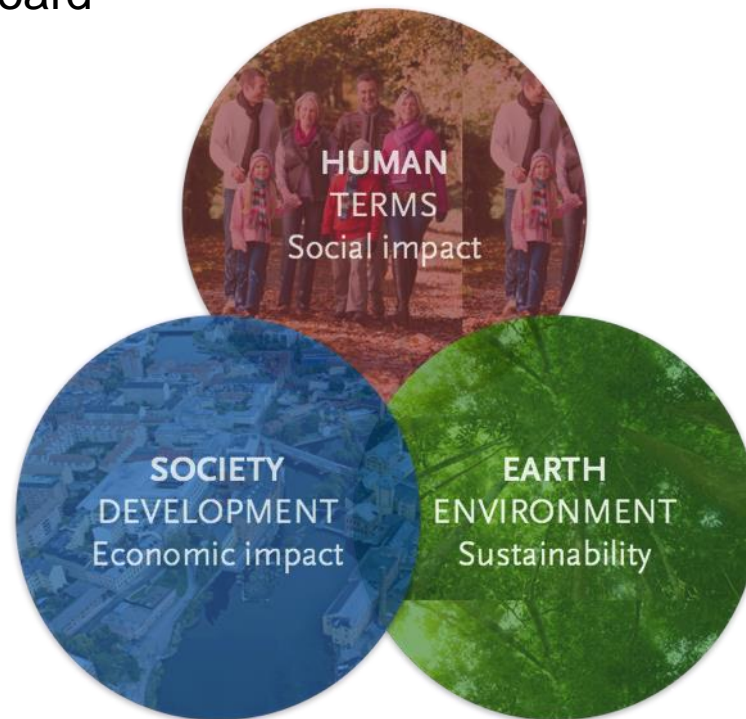
East Sweden Business Region
a coordinated regional platform for
innovation, growth and development

- A Regional Development Program
- A Regional Innovation Strategy
- A Smart Specialization Strategy

University Research and
Innovation strategy aliened!

Collaborative actors of ESBR

- East Sweden Regional Council (**coordinator**)
- Linköping University (**coordinator**)
- The County Administrative Board
- The Chamber of Commerce
- East Sweden Seed Capital
- Business Organisations
- 13 Municipalities
- ALMI/INVEST
- Science Parks
- Incubators
- Clusters



Business Region

Platform structure

Regional development co-ordination and support

Growth- and innovation strategies (RDP, RIS, S3)

**Business
Development**

Innovation

**Investment
Promotion**

Talent Attraction

Place Management and Marketing

Strategic project management

Smart Specialisation Areas

Thematic specialization areas

- ❖ **Effective Logistics**
- ❖ **New industrial materials**
- ❖ **Internet of things**
- ❖ **Visualization and Simulation**
 - Visualization of complex data, processes and interactions through virtual models, medical imaging, simulation as well as visual, interactive media and games

Cross-cutting specialization area

- ❖ **Sustainable and resource efficient business development**





Vision

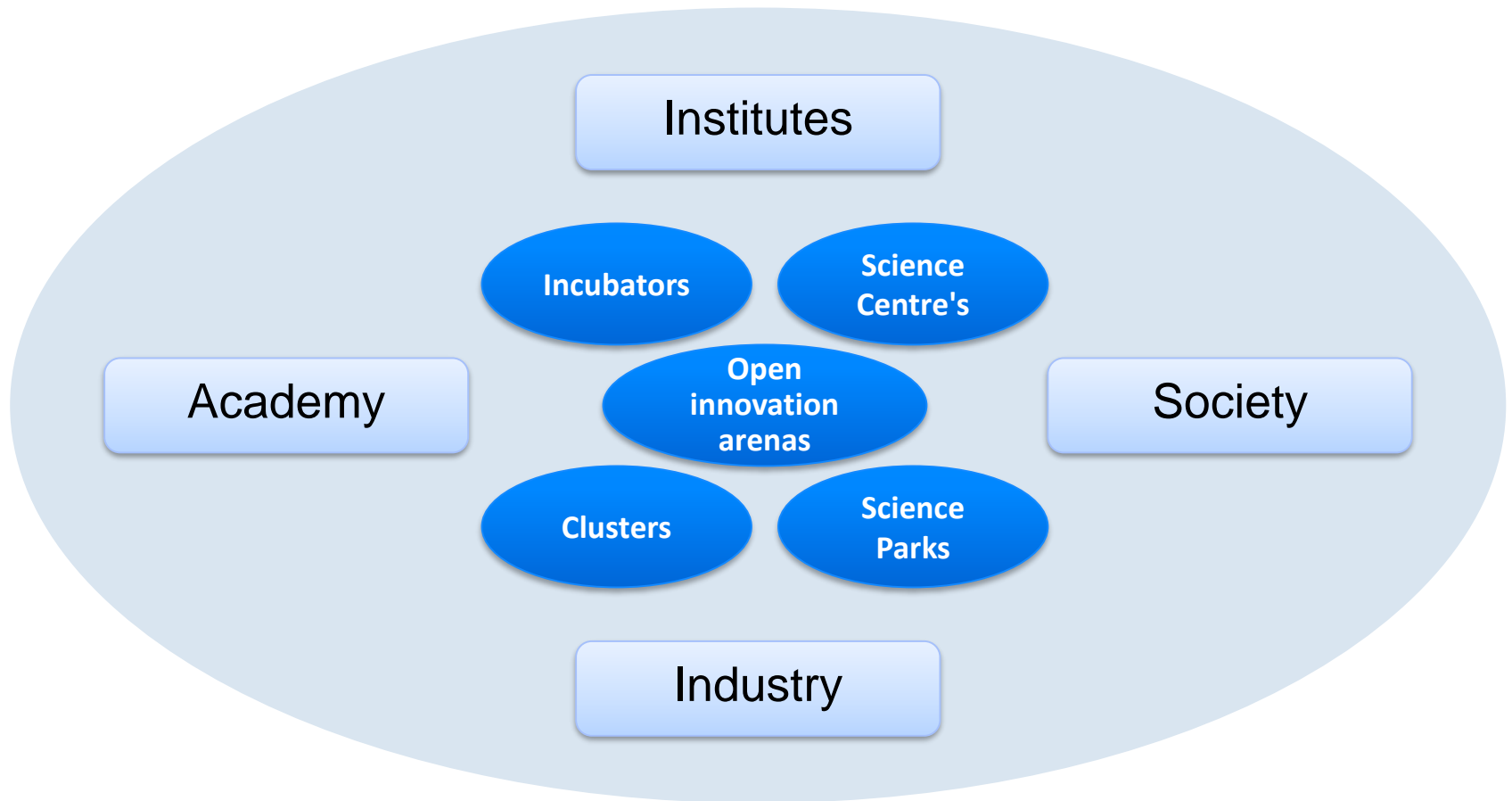
In 2030 the urban area of Linköping-Norrköping is one of Europe's most attractive innovation environments for visualisation, synthesis and analysis of visual information in all forms and applications.

In the creative melting pot which has developed ideas and innovations attract great international attention.

An increasing number of global companies establish research and development departments in the region, well aware that this is the place for the strongest competence and the sharpest talents, as well as a flourishing environment for new businesses and unique cooperation models among university, companies, institutes and society.

The eco-system

Visual Sweden



Linköping University

Word Class Research and Teaching

- Information visualization
SciVis – Scientific Visualization Centre
- Medical visualization
Center for Medical Image Science and Visualization
- Computer graphics and image processing
Media and Information Technology (MIT)
- National Super-computer Centre



Research Institutes

National assets based in the region

- The Swedish National Road and Transport Research Institute
- Swedish Meteorological and Hydrological Institute
- LFV - Air navigation services of Sweden
- Swedish Defence Research Agency
- Swedish Geotechnical Institute
- The Interactive Institute
- Acreo Swedish ICT

Users of Visualisation

Driving applications



Science and Research Centre

Visualization centre C



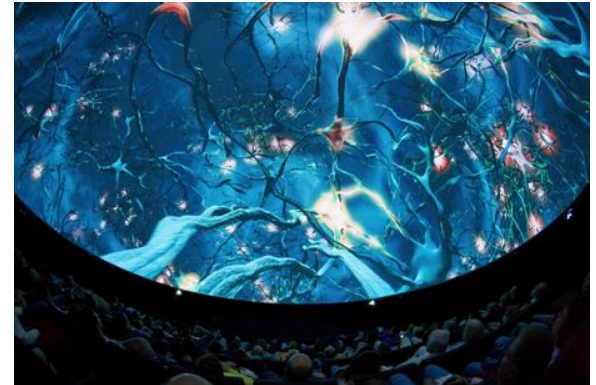
- Open innovation arena
- Interactive laboratory
- Research facilities
- Public exhibitions
- Dome teater

Consortium:

Linköping University, Interactive Institute,
Norrköpings municipality

Customers:

Siemens, British Museum, Sectra ...



Business and Industry

Clusters, Incubators and Sciences Parks

Mjärdevi Science Park, Linköping

Profile area Visualization, Modelling & Simulation

40 companies



Norrköpings Science Park

Interactive and Visual Media Cluster

Project Arena IVM – Open innovation

40 companies



Lead Incubator

University owned, sites in both Science Parks

30 companies



Open Innovation

Arenas and Events

Open Innovation Accelerator

Smart Specialization Areas

DEMOLA East Sweden

Sites in Linköping and Norrköping

2016: 30 projects/160 students

Events

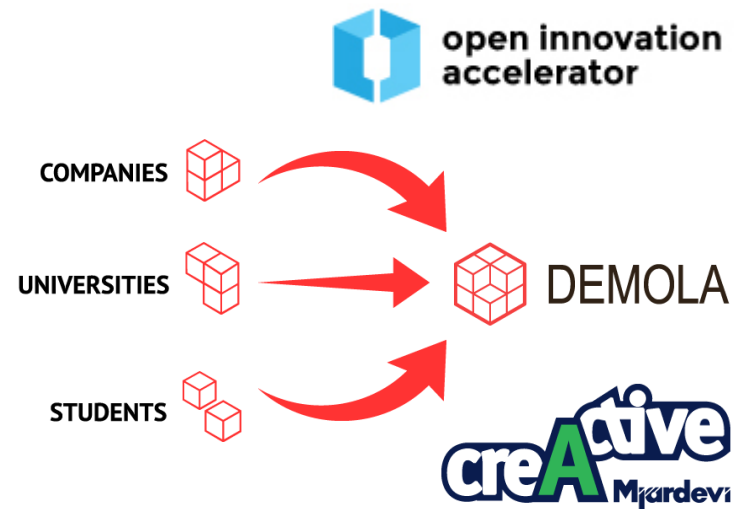
Society/Company Quest

LiU Game Awards

Summermatch

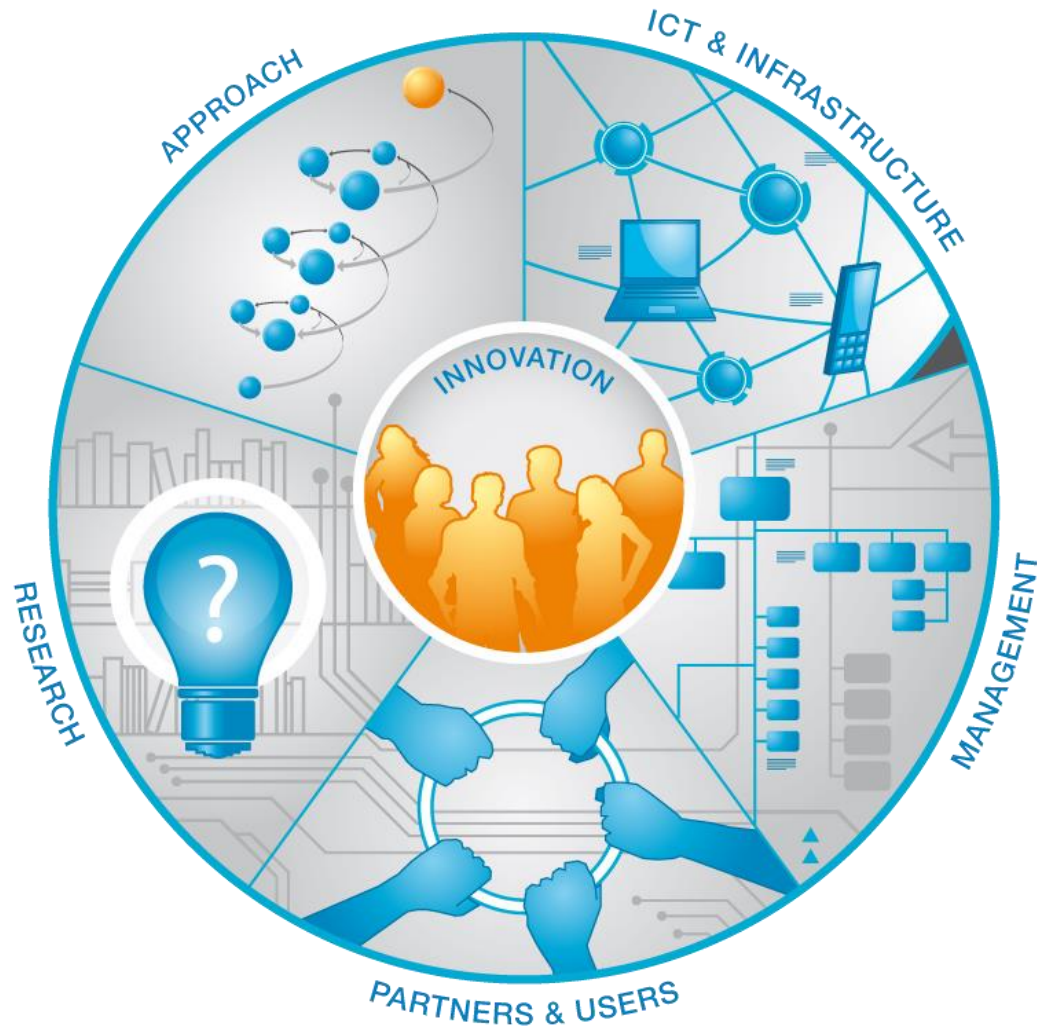
Hackaton

iDays



IT-support system
Ideas to Innovation

Turning ideas into innovation



Thank you for your attention!



Janne



Linköping University