

Building a international Knowledge Region –

ESS Scandinavia, Lund Sweden

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Society for Science – Science for Society

The European Spallation Source in Lund – effects on regional development*







Foto: Kennet Ruona

MEDICON VALLEY



MEDICON VALLEY Anno 1997







Elsinore



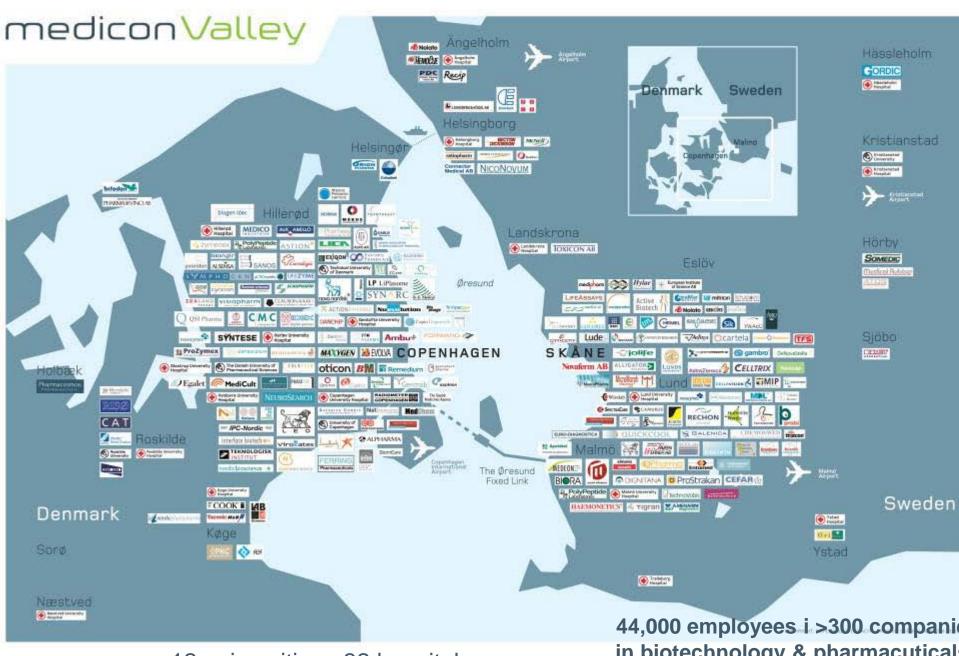
SKANE



Roskilde University

o r <100

MAERSK MEDICAL



12 universities, 32 hospitals

in biotechnology & pharmacutical +9% 2003-2007

Broad R&D

Narrow R&D

Prod Dev.

Consult.

Manufacturing

Drug discovery & development
Drug delivery
Biotech medical technology
Diagnostics
CRO

Drug production Biotech tools and supplies

Bioproduction Agricultural biotechnology

Environmental biotechnology

Food related biotechnology

Industrial biotechnology

Healthcare equipment Implantable devices AnestheticRespiratory

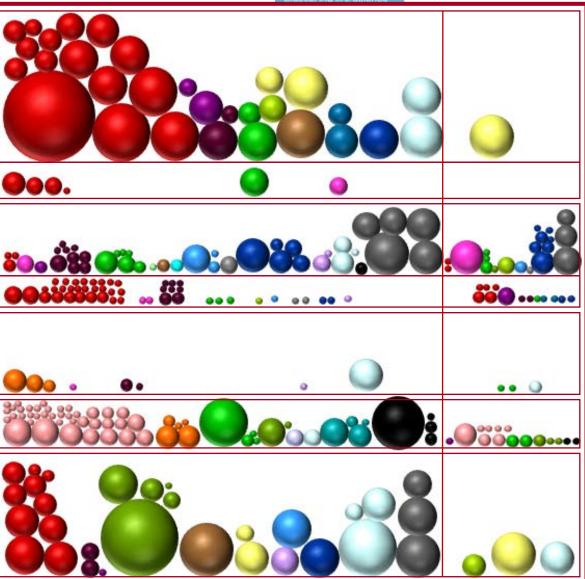
Dental device

Electro medical and imaging eq.

Ophthalmic devices Surgical instruments

CRO medtech
IT and training
Audiologic devices



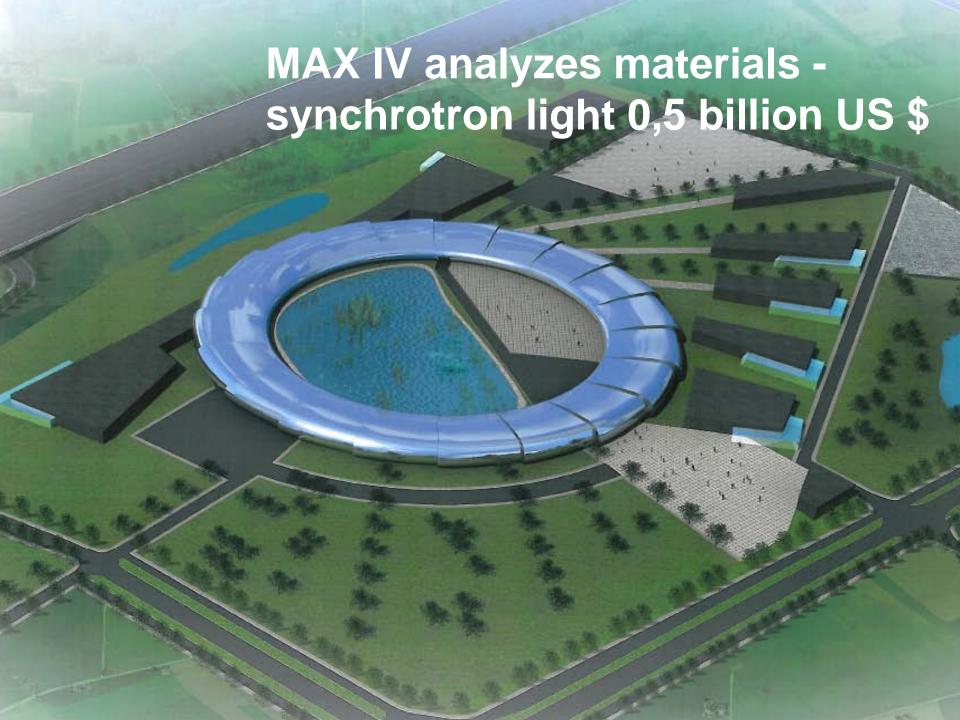


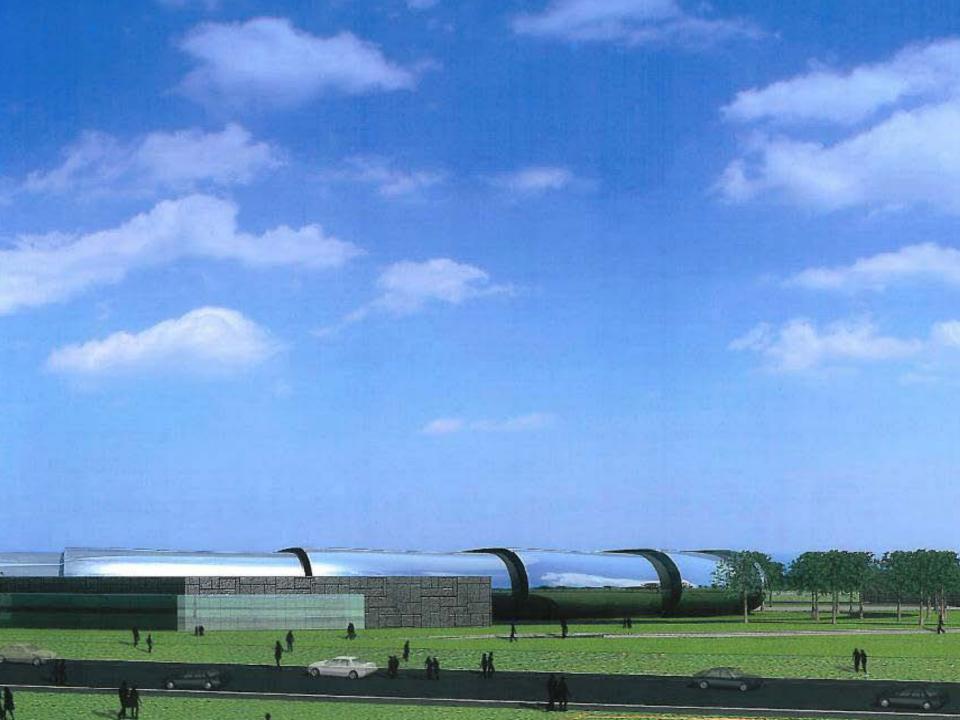


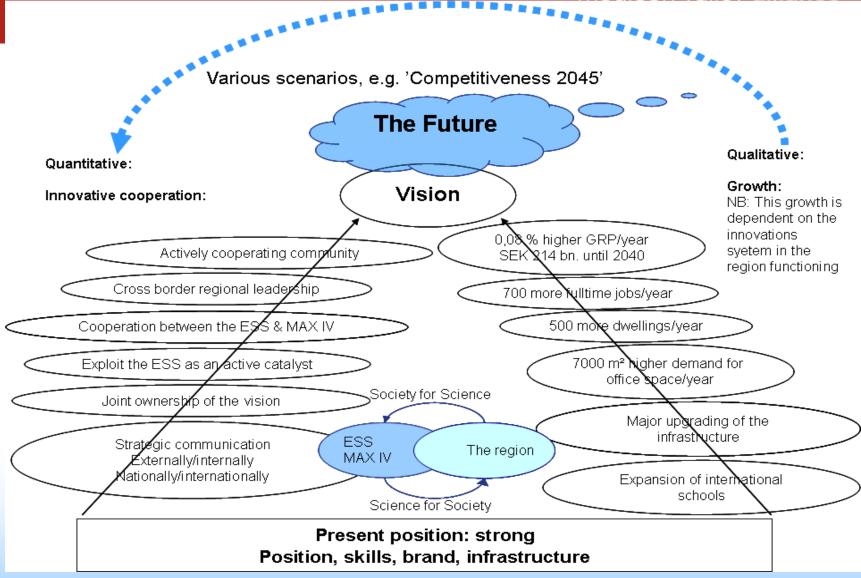
Skåne/Sweden

Sjælland/Denmark

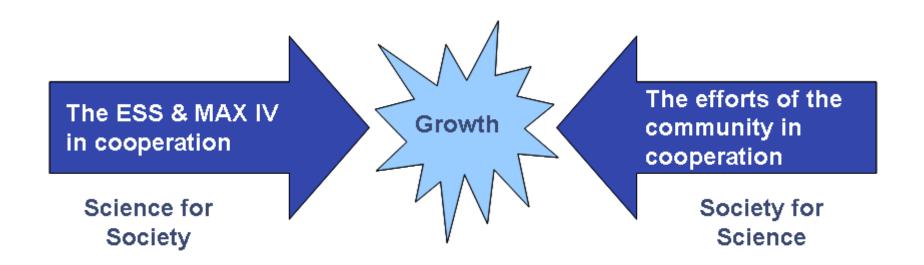






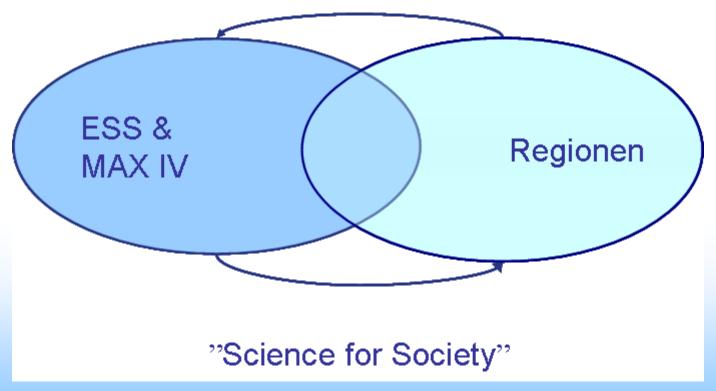


The Strategic Balance Act

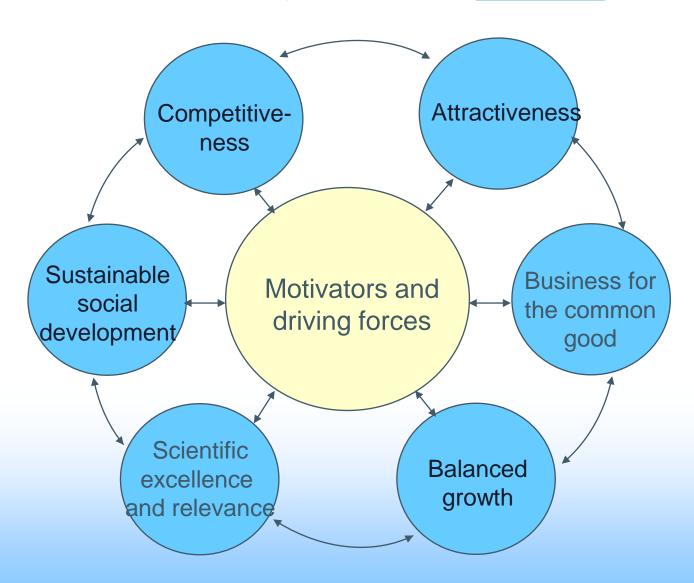


Mutual benefits listering life science

"Society for Science"



Strategic Intent Clustering life science



Clustering life science

- An international "Landmark of Science, Technology and Sustainable Development" in Lund, "MA-Skåne", Öresund, Sweden, Scandinavia → competitive edge for the EU.
- A new and exciting innovations territory for the future connection/meeting where the "mould" in the territory, and its national and international bridges of knowledge (relations) will determine the success for the region through (among other things) the ESS and MAX IV.

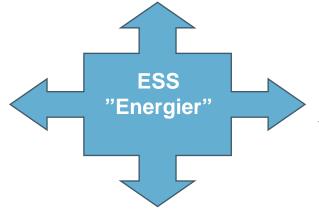
•A unique fusion of the Hi-Tech (scientific development) and Hi-Touch dimensions (the experience of the meeting between people of the people p

The ESS - An 'energy project'

Clustering life science

Technologic Energy – neutron source with multiple opportunities through an interdisciplinary approach...

Social Energy – the process, the relations and the encounter in the room



Political Energy – Embrodier on the leader shirt, develop the story about the ESS – new and exciting gossip...

Intellectual Energy – new map, new navigation points for future creation of value...



Mission

Clustering life science

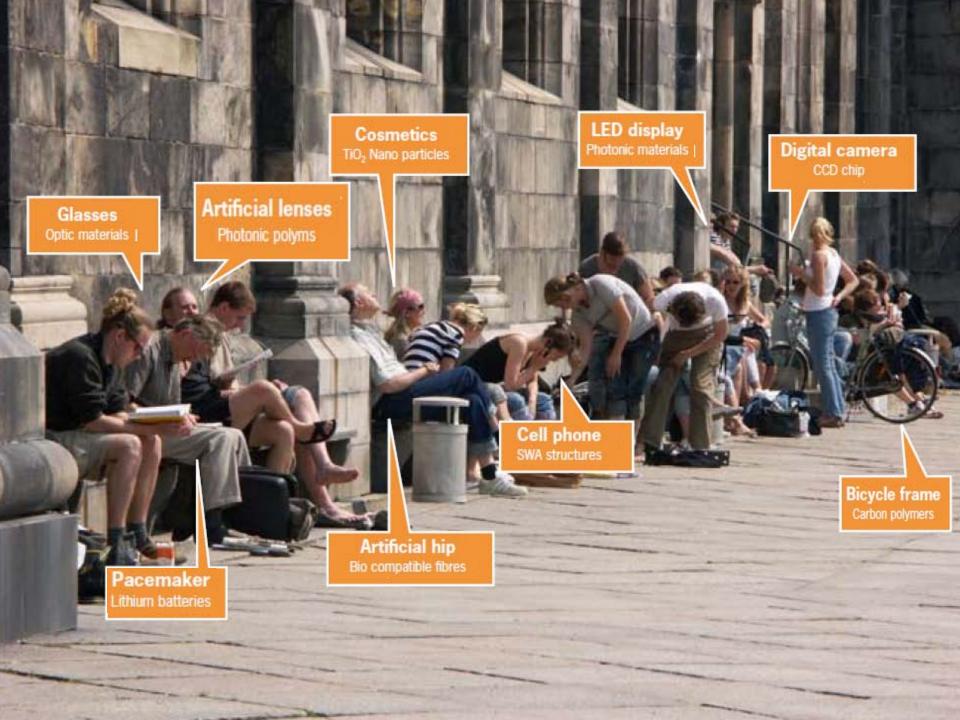
- Create a common visionary strategy for how the ESS facility can contribute to regional development, with outlooks for the years 2020 and 2040.
- Create strategic readiness for societal and industry issues of interest in advance to the ESS establishment.
- Create a new creative process together with all stakeholders for regional engagement managing the opportunities created by the ESS

Two parallel tracks of investigation:

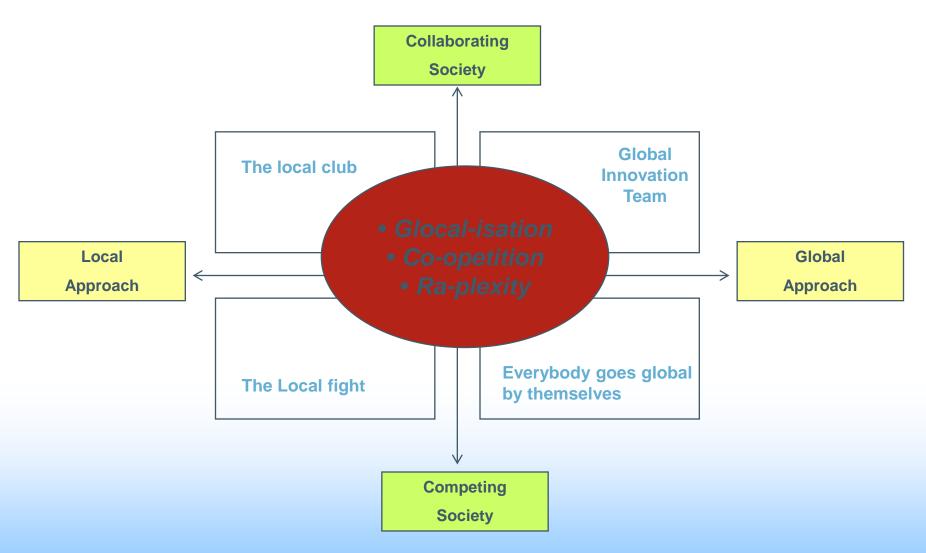
- Quantitative: producing concrete numbers of estimated growth for a number of lines of business (e.g. real estate, infrastructure, R&D, public service, tourism etc.).
- Qualitative: Generating a strategic agenda for the process forward by analysis of social mega trends, evaluation of future possibilities and restraints (SWOT), and estimation of how strategic resources will develop. In order to obtain this we have used interviews, seminaries, surveys and visits to other similar facilities around the world.

Application – the ESS and MAX IV

- Chemical processes provisions, paint, purification
- New packages and wrapping materials
- Engineering safer and better cars and aeroplanes
- Bio Tech ageing, cancer, structure of the skeleton, cellulose
- More effective medicins/drugs
- Energy less freen house gas emissions in the future hydrogen economy
- New materials
- Archaeology
- Database management och simulation

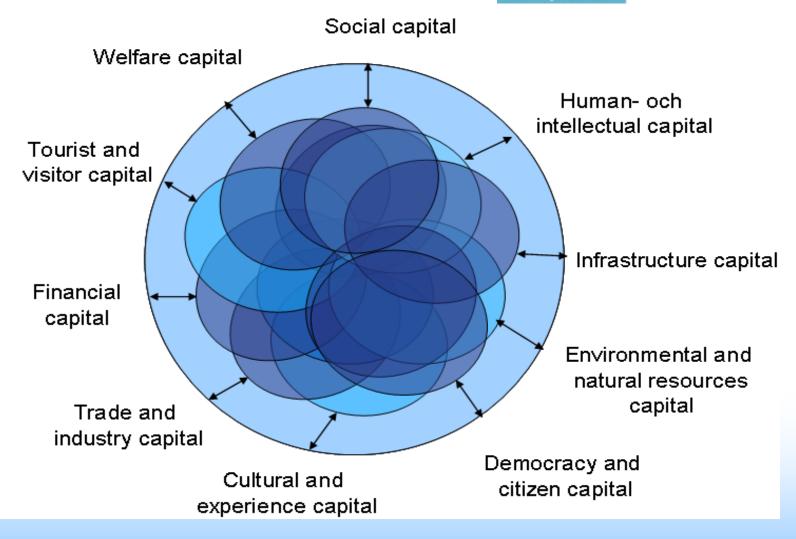


Some future scenarios

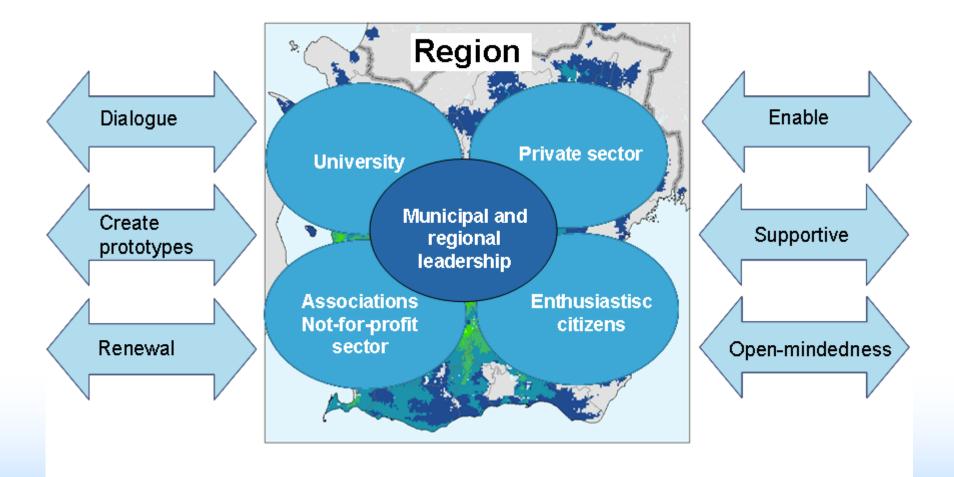


The New Capitalism...

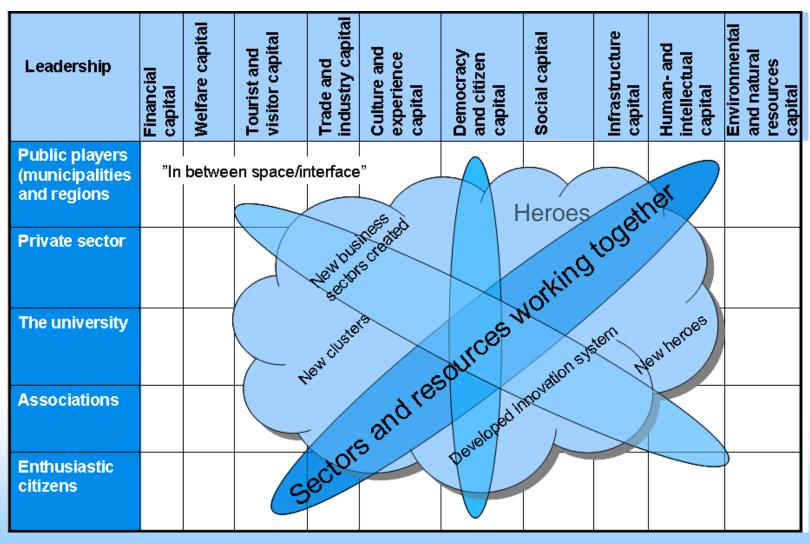
Clustering life science



Penta Helix Collaboration 2.0



The New Value Matrix



Key words for creating a world leading hub based allemalliance 'society for science' and 'science for society'

- Frequency
- Density
- Friction
- Energy
- Vision
- Passion
- Connectivity
- Attractiveness

- The new capitalism
- Penta helix collaboration
- New industries in the making
- Need for new regional knowledge Heroes in all industries
- Focus on us not me/we
- Use the innovation dynamics in the rooms and different meeting places

The ESS as a lever

medicon valley alliance

Persisten enabling of 'Society for Science'

Cross-sector cooperation

Consciously led

and managed regional development proges Strategic collaboration between the ESS & MAX/IV

Persistent realisation of 'Science for Society'

