

Hola !

  
**KAROLINSKA**  
*Universitetssjukhuset*

## **Health Care System of Stockholm, Sweden**

- **How it is organized**
- **Role of Karolinska Institutet and Karolinska University Hospital**
- **Future aspects**
- **Role of Innovation**

Johan Permert, Professor of Surgery  
Director of Development and Innovation  
CITO  
Karolinska University Hospital and  
Karolinska Institutet

- **Sweden**
- **Stockholm**
- **Health Care System of Stockholm**
  - **Today**
  - **Future aspects**
- **Role of Karolinska University Hospital and Karolinska Institutet**
- **Role of Innovation**





# Sweden

- 10 million inhabitants
- Number 5 in size in Europe
- "Sad and boring"
- Peace since 1809
- "Fat and happy!"
- High standard of living

# Sweden

- Iron
- Lumber
- Process industry
- Technology
- Public healthcare of high quality

# Sweden

- Stable and homogenous
- Good planning and infrastructure
- High level of education and research
- Innovations
- Political stability



# Sweden

- Major changes!



# Organisation of society and of healthcare





King Gustav II Adolf  
1594-1632



*Christina*  
Drottning til Sverige, Född d. 2. Dec.  
1626. Död d. 7. Apr. 1689.

Queen Kristina I  
1626 – 1689 (1644 - 1654)



Axel Oxenstierna  
1583 – 1654  
Chansler: 1609 - 1654

## State of Sweden

Legislation and  
national administration

Higher education  
and research

Economical  
transfers

N:

1

## County councils

Communications

Healthcare

21

## Primary councils

Schools

Social care and welfare  
-elderly and disabled

Local infrastructure  
etc.

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## State of Sweden

N:

Elected  
Tax

Legislation and  
national administration

Higher education  
and research

Economical  
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## County councils

Elected  
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Etc.

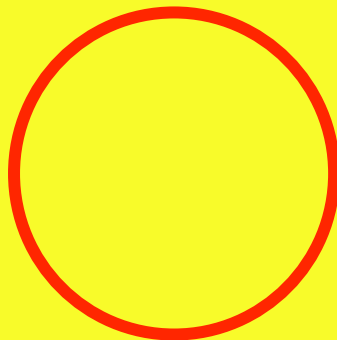
261

State

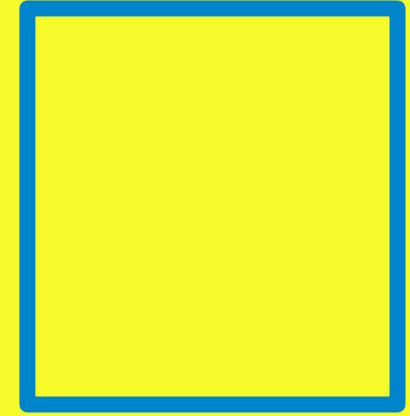
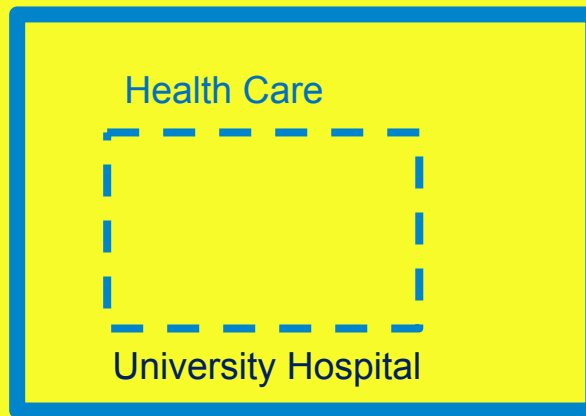
Government



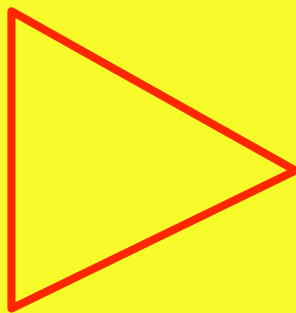
County Councils



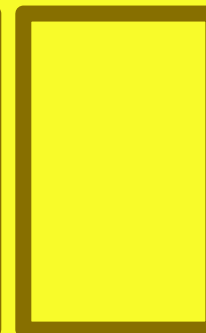
University



Primary Councils



Authourity



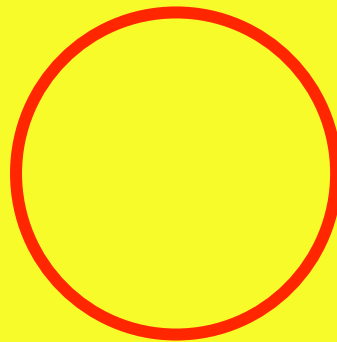


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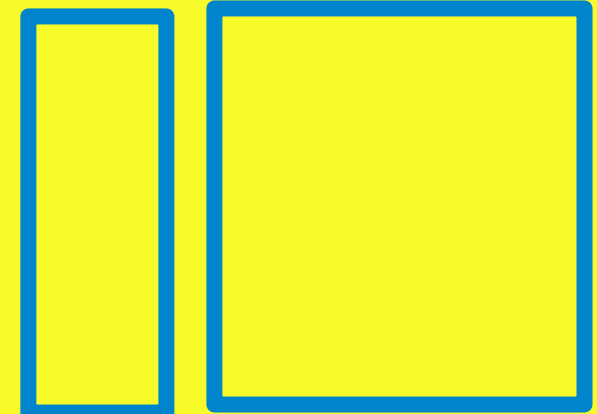
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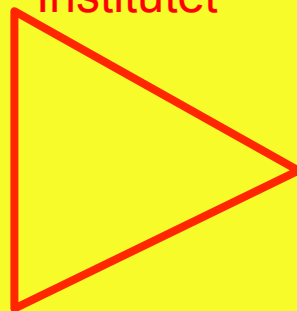
County Councils



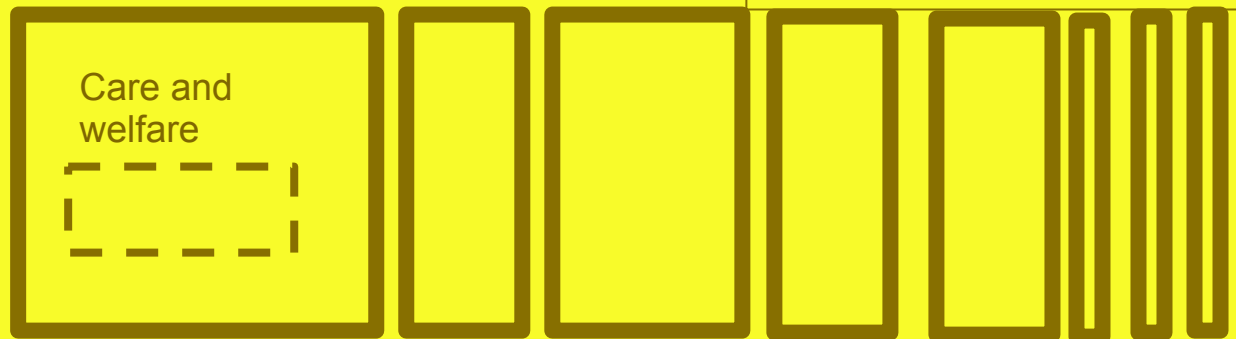
Karolinska  
Institutet



Primary Councils



Authourity







# Per Albin Hansson 1885 - 1946

Primeminister of Sweden  
1932 - 1946

” A good home for all people”

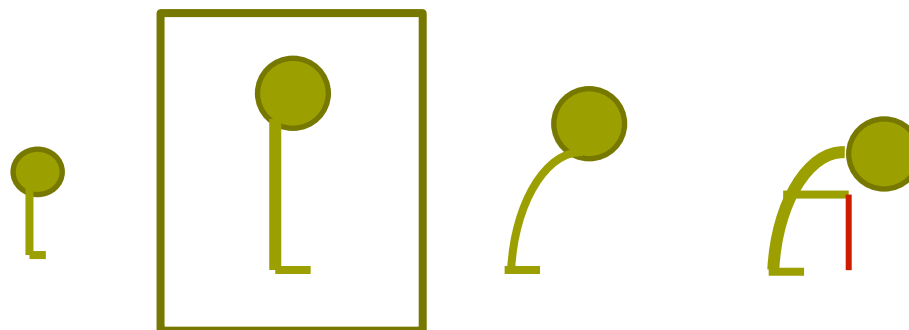




# Per Albin Hansson 1885 - 1946

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Major Changes!

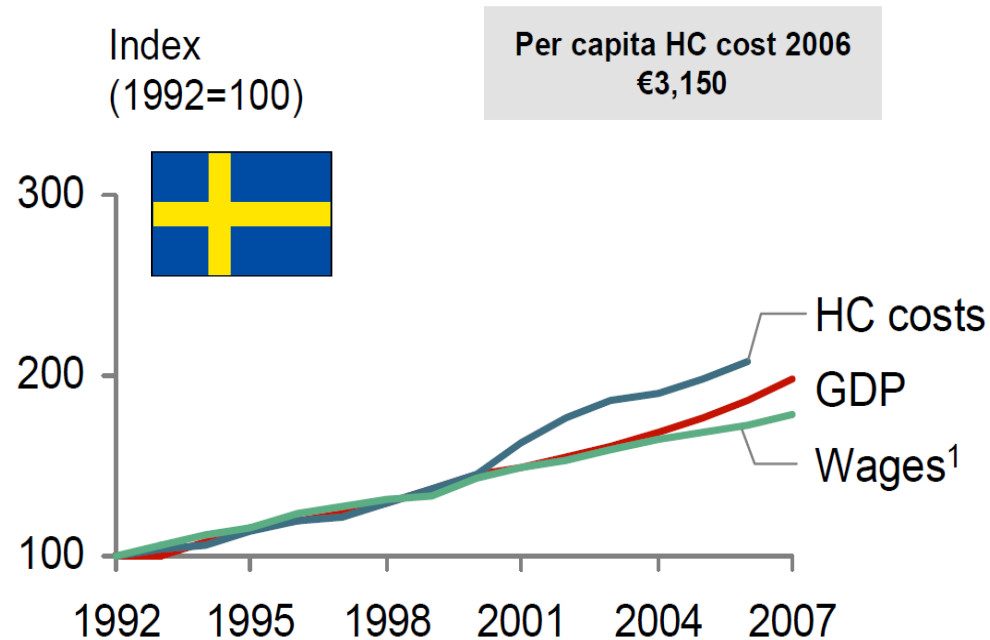
## Differences in culture and conflicts of interests

Restricting rules and regulations

Lack of integration between academia, industry and health care

Lack of quality

Accidents and mistakes



Demography

Inefficiency

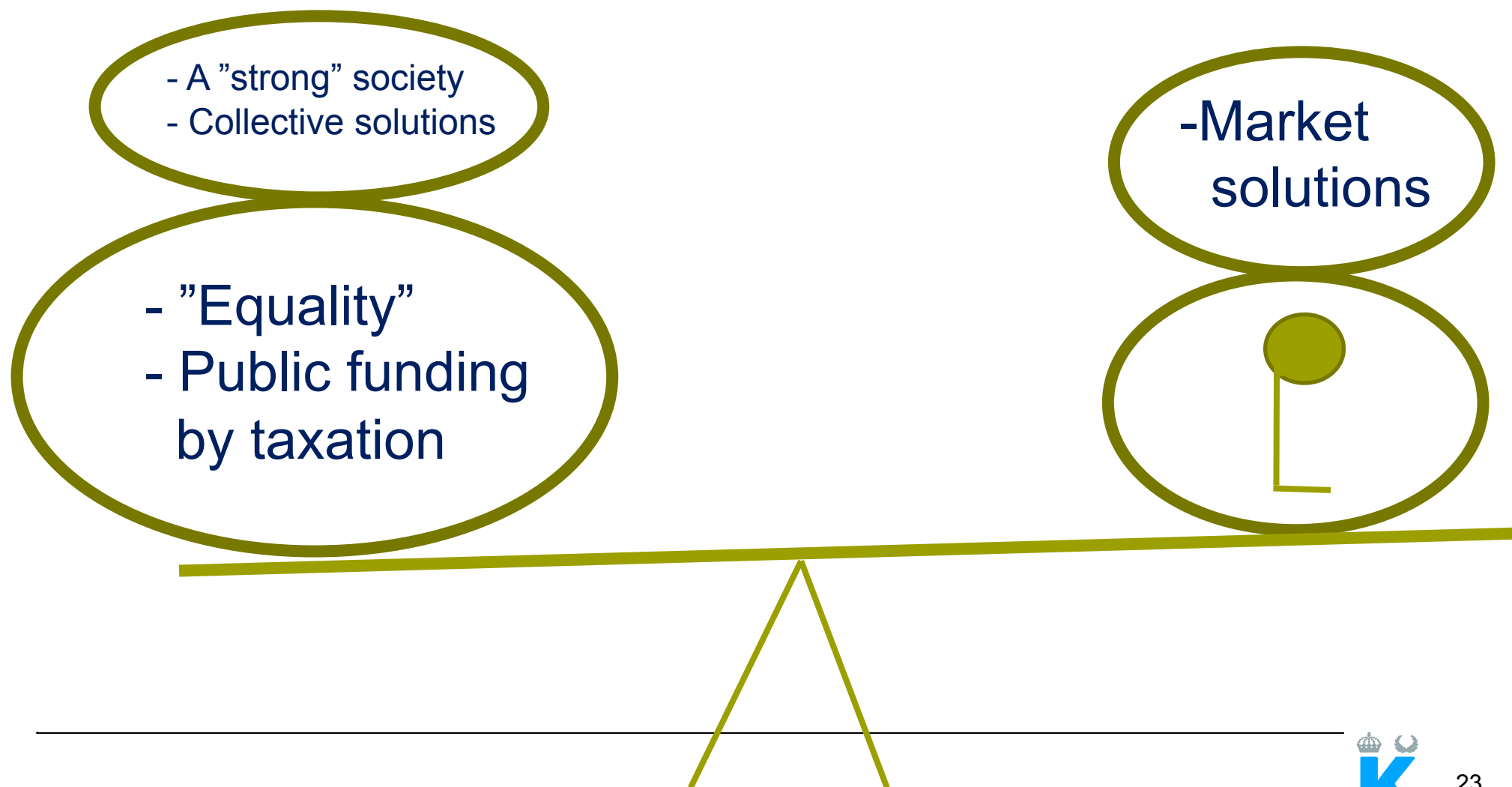
Insufficient clinical pathways

Källa: Value guided healthcare, The Boston Consulting Group, AB 2009



Fredrik Reinfeldt, primeminister (2006-) and leader of the conservative and liberal "alliance"





# Stockholm

2004

2013

Financed  
by tax

100%

100%

Public  
providers

97%

65 %

Commercial  
providers

3%

35 %

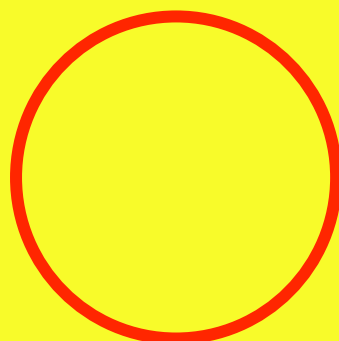


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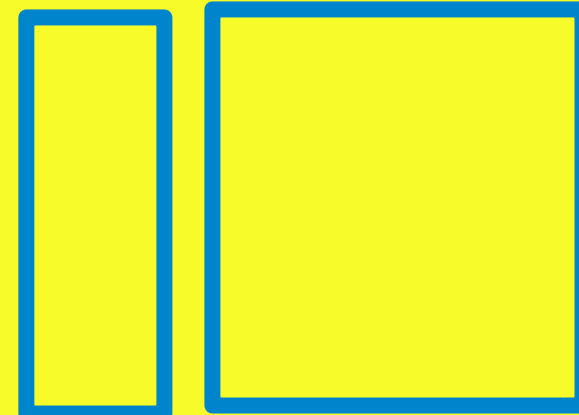
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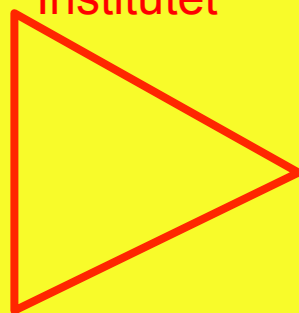
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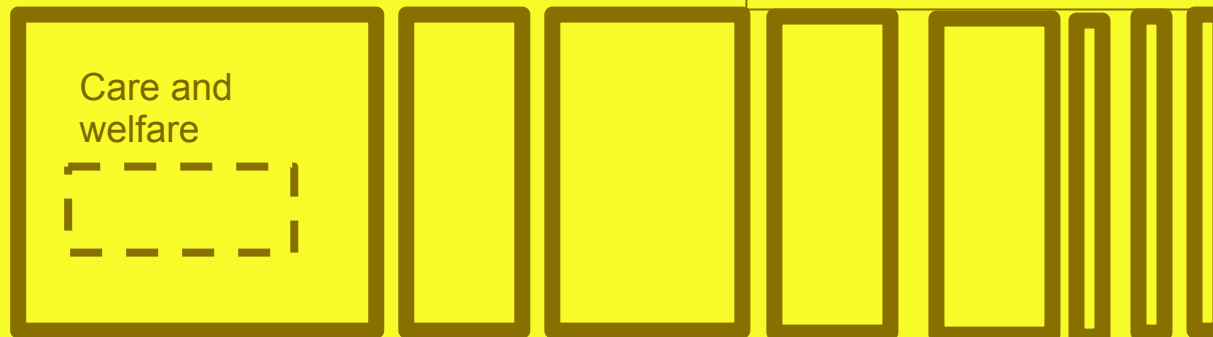
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Primary Councils



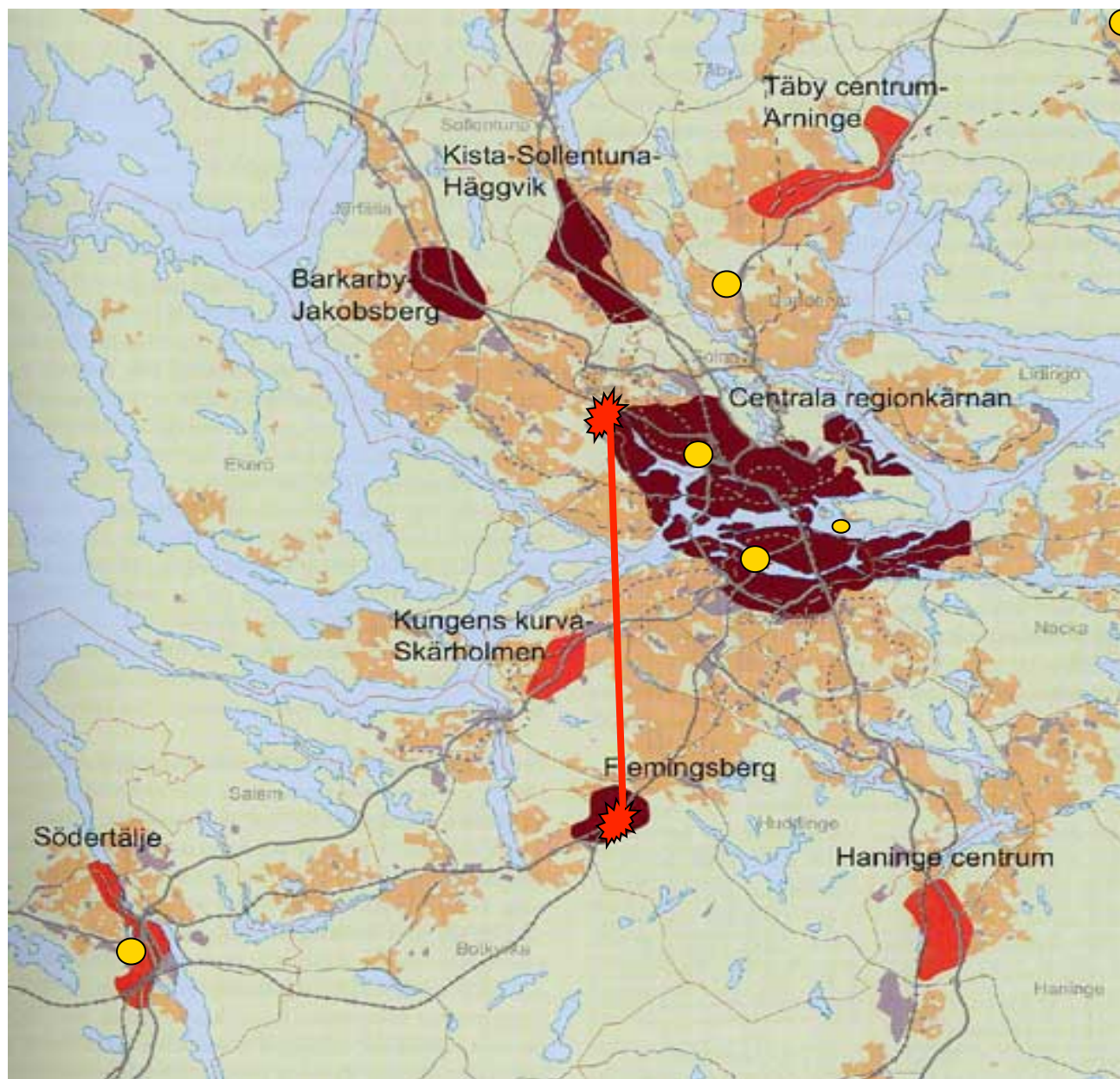
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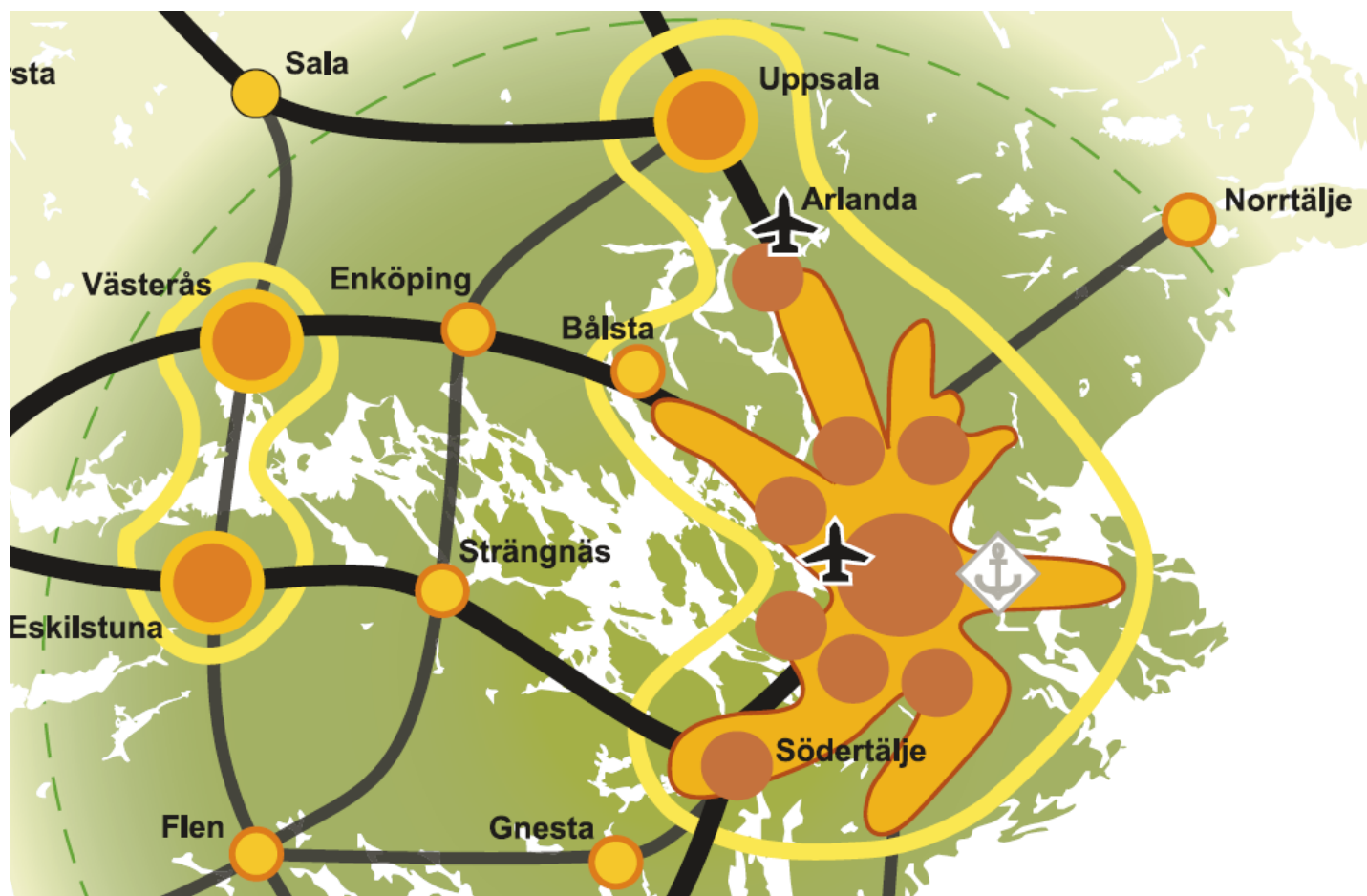




# Stockholm

- Capital since 1521
- 1.9 millions inhabitants
- Center for administration and higher education
- Growing population
- Significant economical growth
- "Small for size"

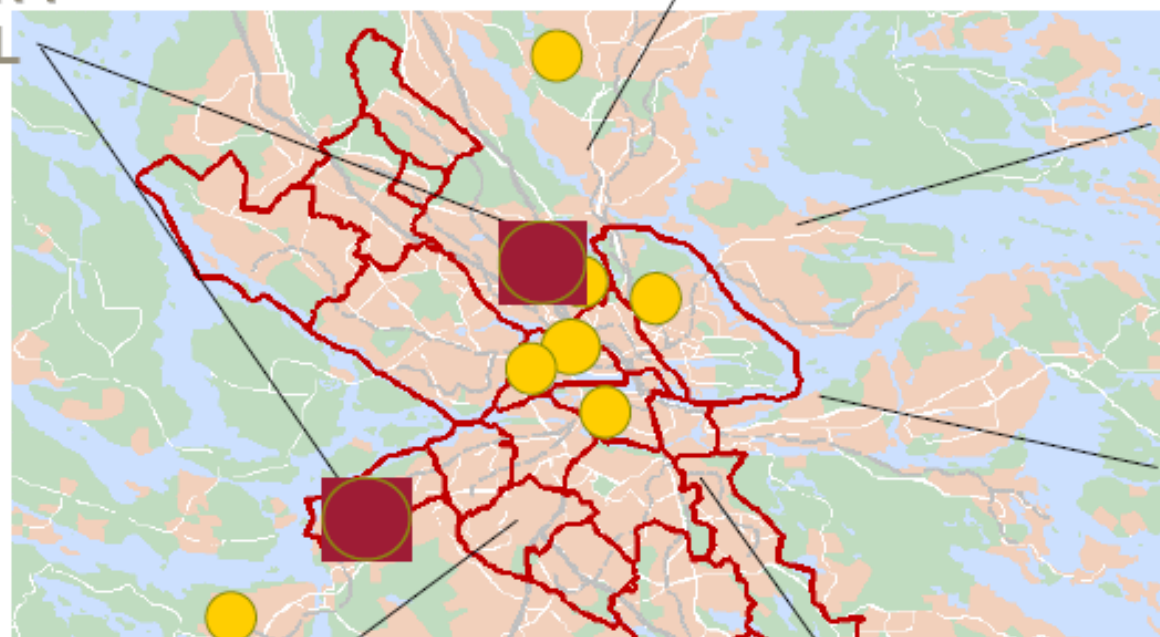
**Welcome to the "Banana-region" with the ambition and ability to create opportunities for development within Life Science and Med Tech**



# Health care in the Stockholm Region

**KAROLINSKA  
UNIVERSITY  
HOSPITAL**

1.9 million population



5,600 care  
beds

10 million  
visits to  
physicians

1,700 visits per  
physician

320 inhabitants  
per physician