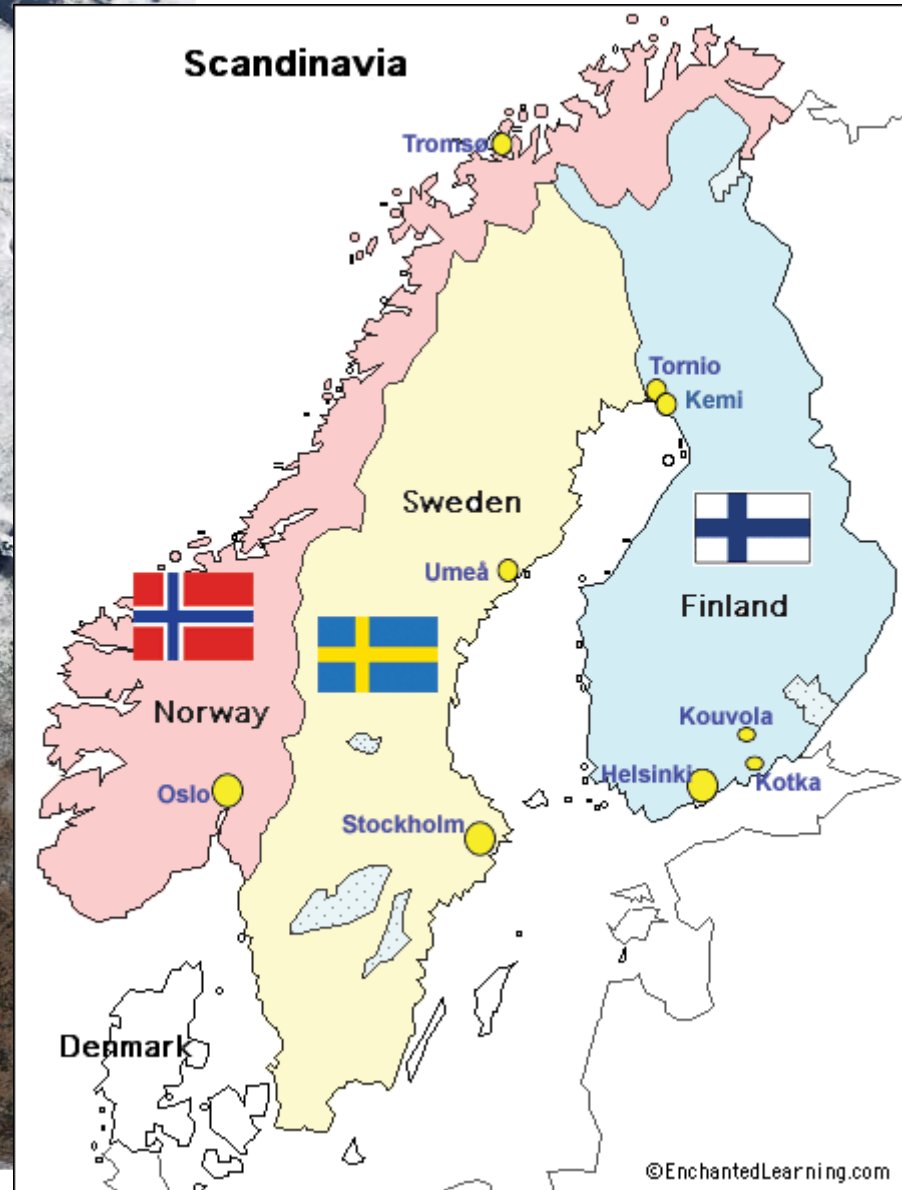
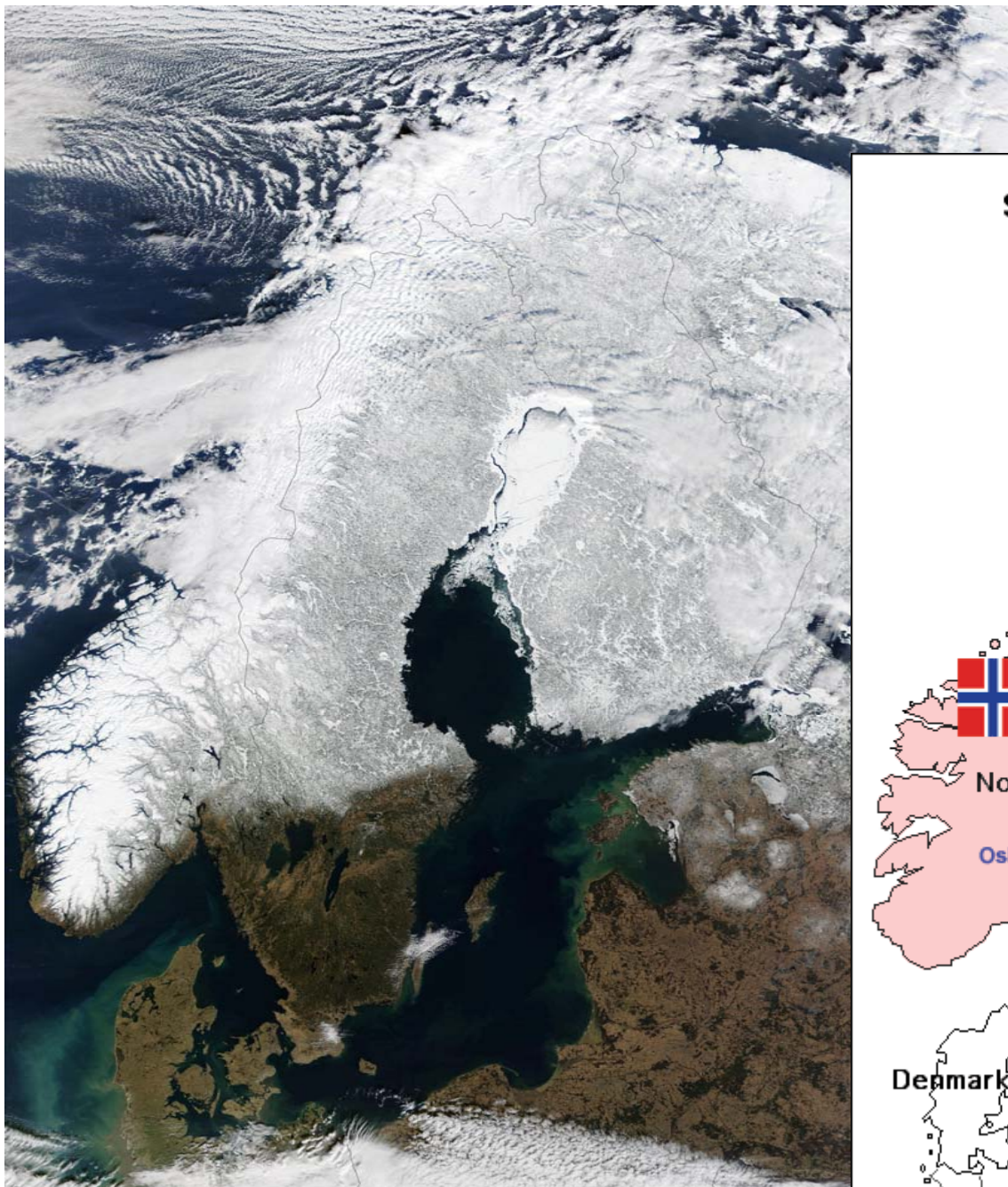


PACS in Denmark

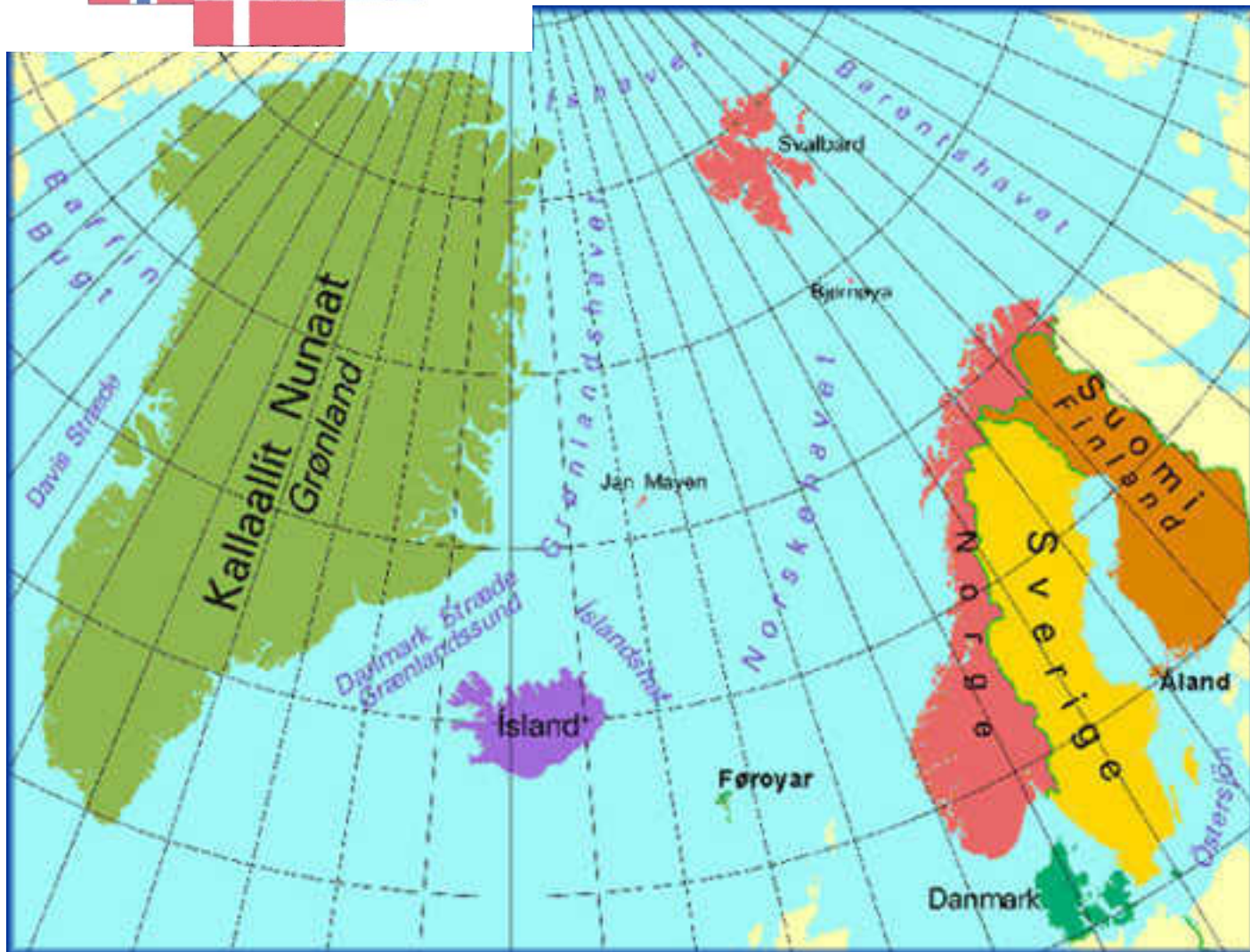
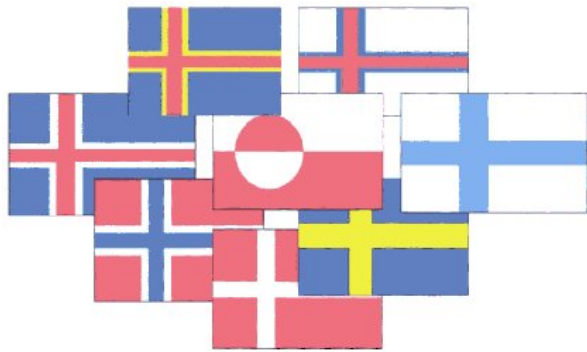
- consolidation and integration:

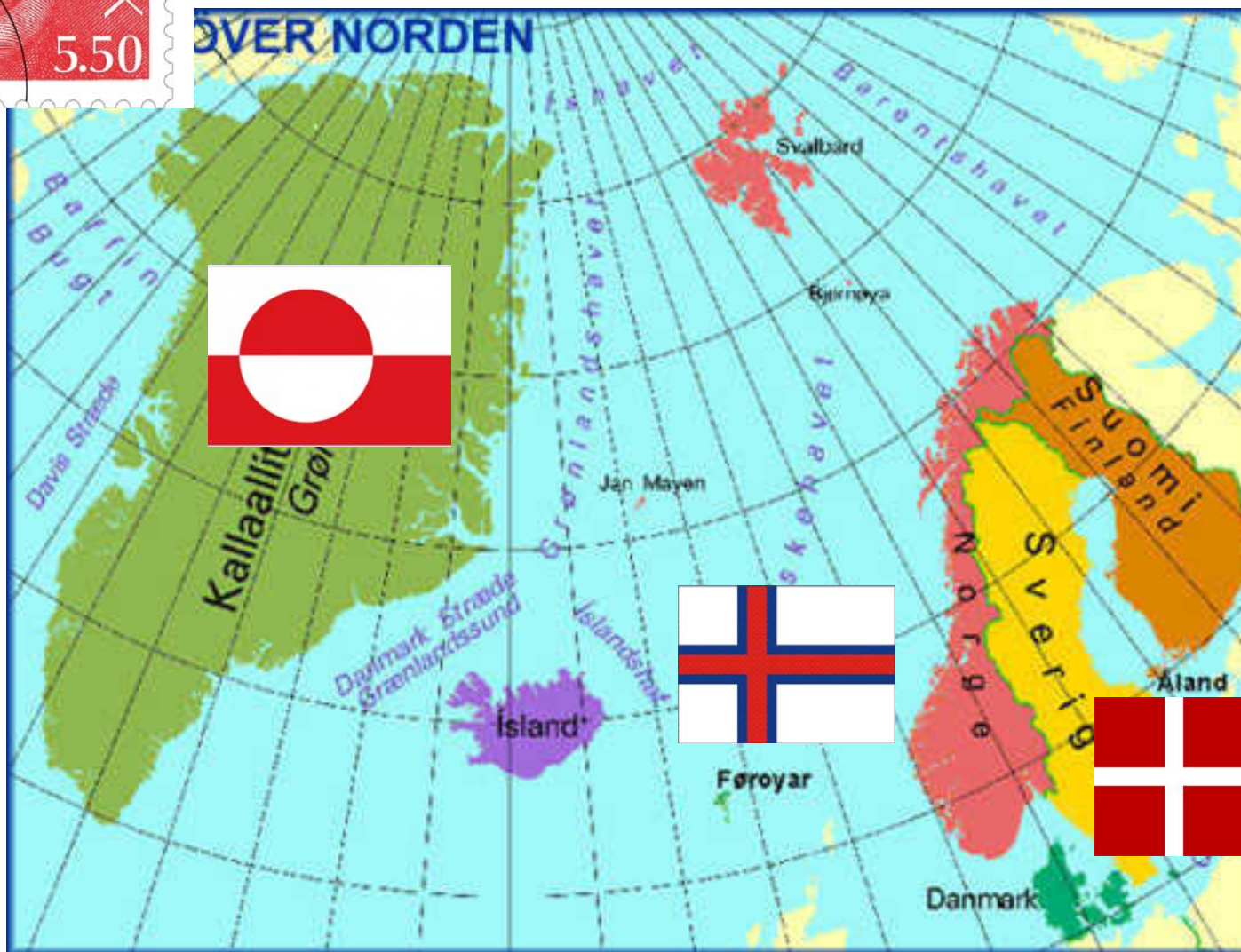
Streaming technology –
the future of teleradiology ?

Finn Mathiesen MD
CMIO
Vejle Hospital
Denmark

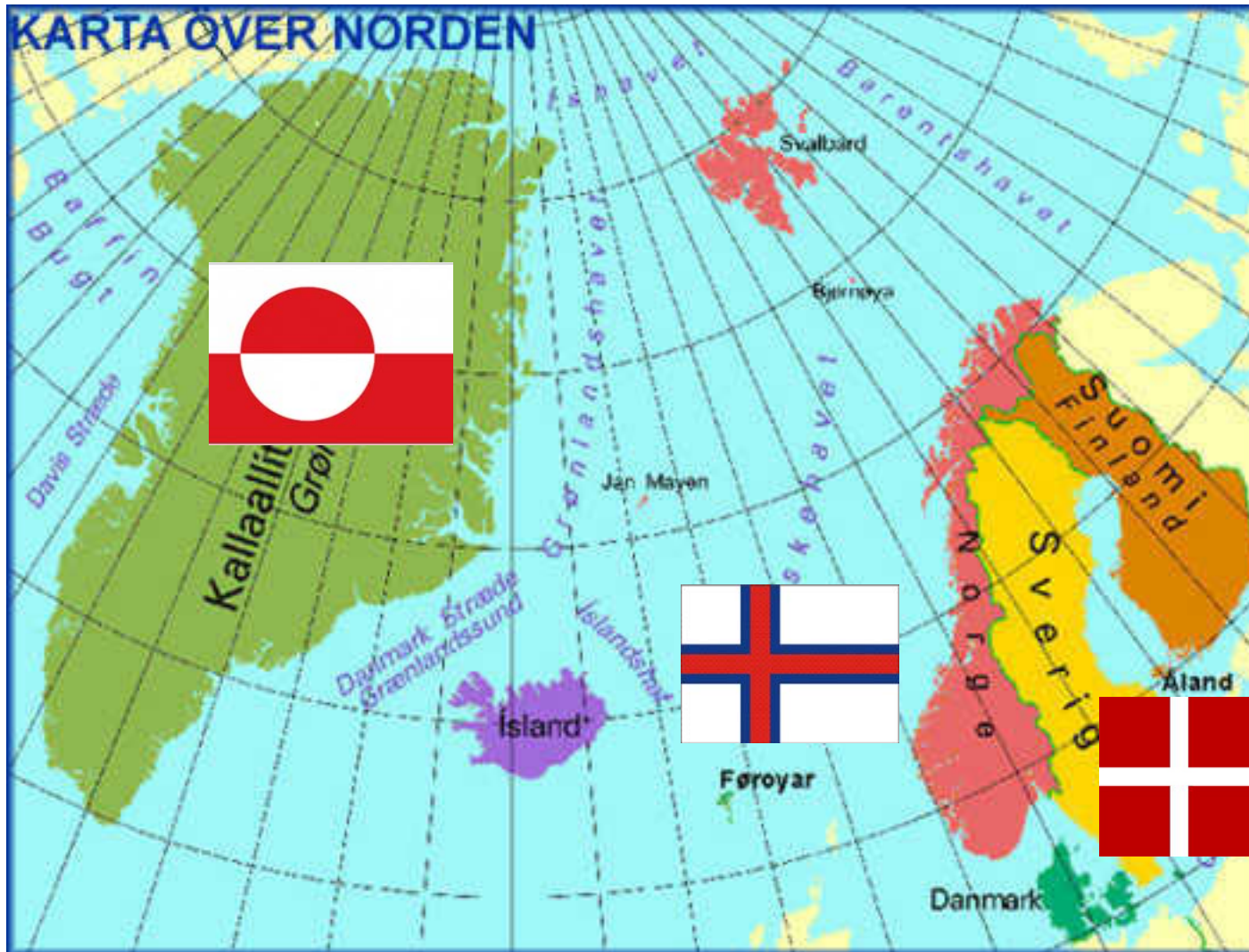








Full PACS





	X-ray	US	CT
Dronning Ingrid's Hospital Nuuk	10000	1400	1000
Ammassalik	1067		
Qasigiaanguit	565		
Aasiaat	1418		
Paamit	444		
Qeqertarsuaq	388		
Sisimiut	1116		
Ilulissat	1477		
Quqortoq	1487		
Nanortalik	1208		
Narsaq	935		
Ittoqqortoormit	328		
Maritsoq	680		
Qaanaaq	217		
Ummaannaq	495		
Upernavik	690		
Nuuk Lægeklinik	0		

Radiolink – 2 mbit

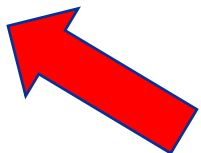
Satellite – 64 kbit



	X-ray	US	CT
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Nuuk Lægeklinik	0		

Radiolink – 2 mbit

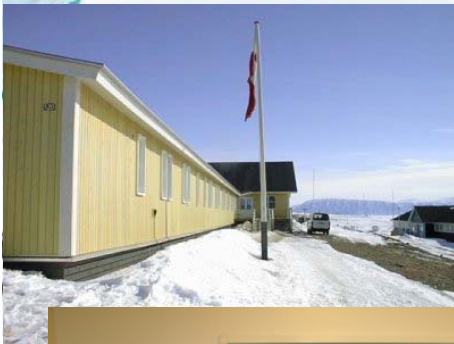
Satellite – 64 kbit







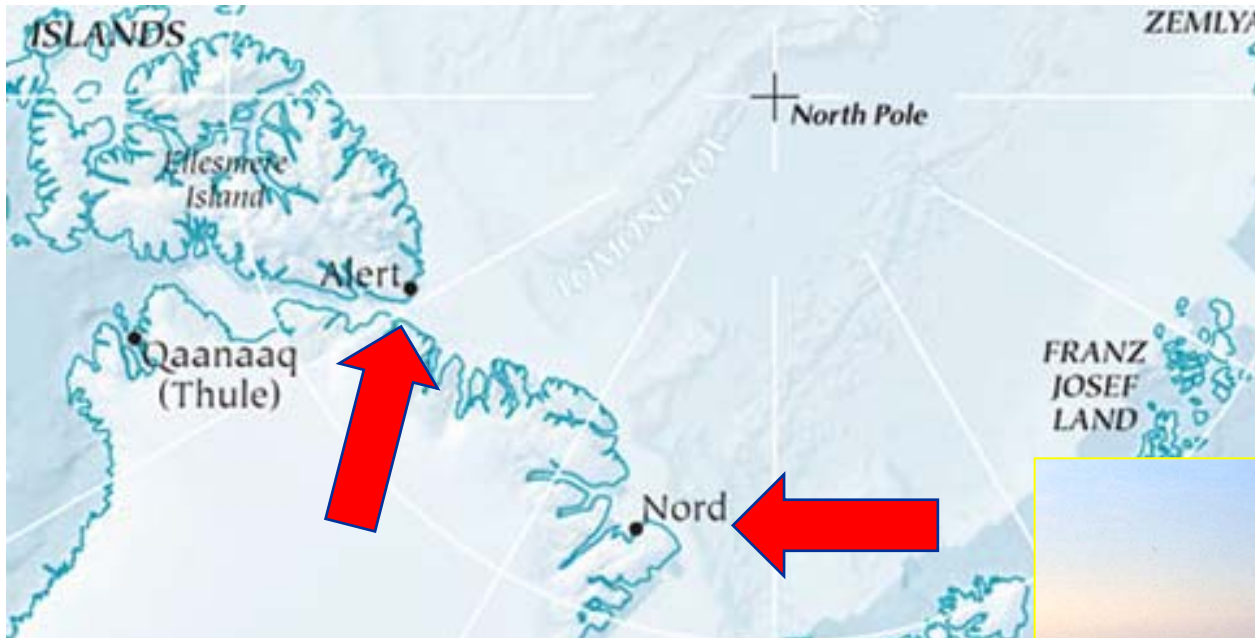
78.13 N





Nord 81.36 N

933 km



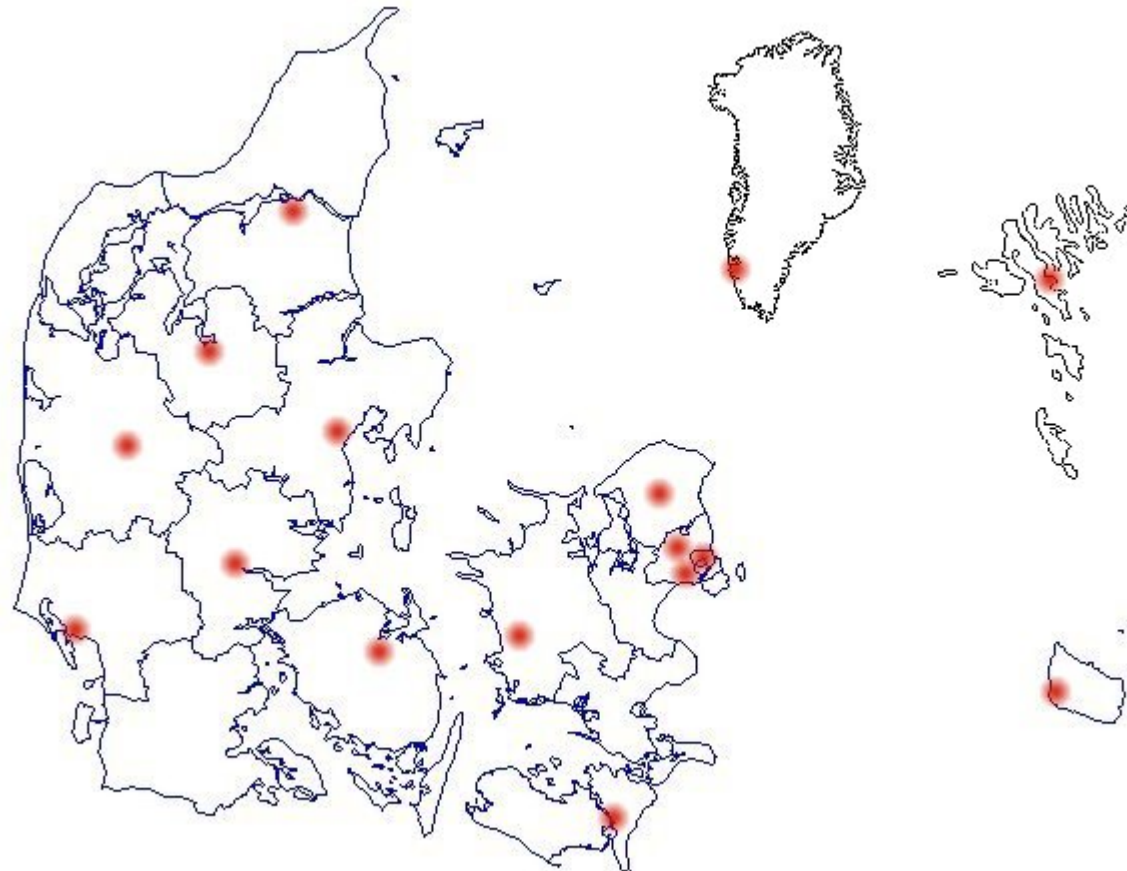
Alert 82.28 N

817 km



Nord 81.36 N

933 km



PHILIPS

GE Healthcare



AGFA 

SECTRA

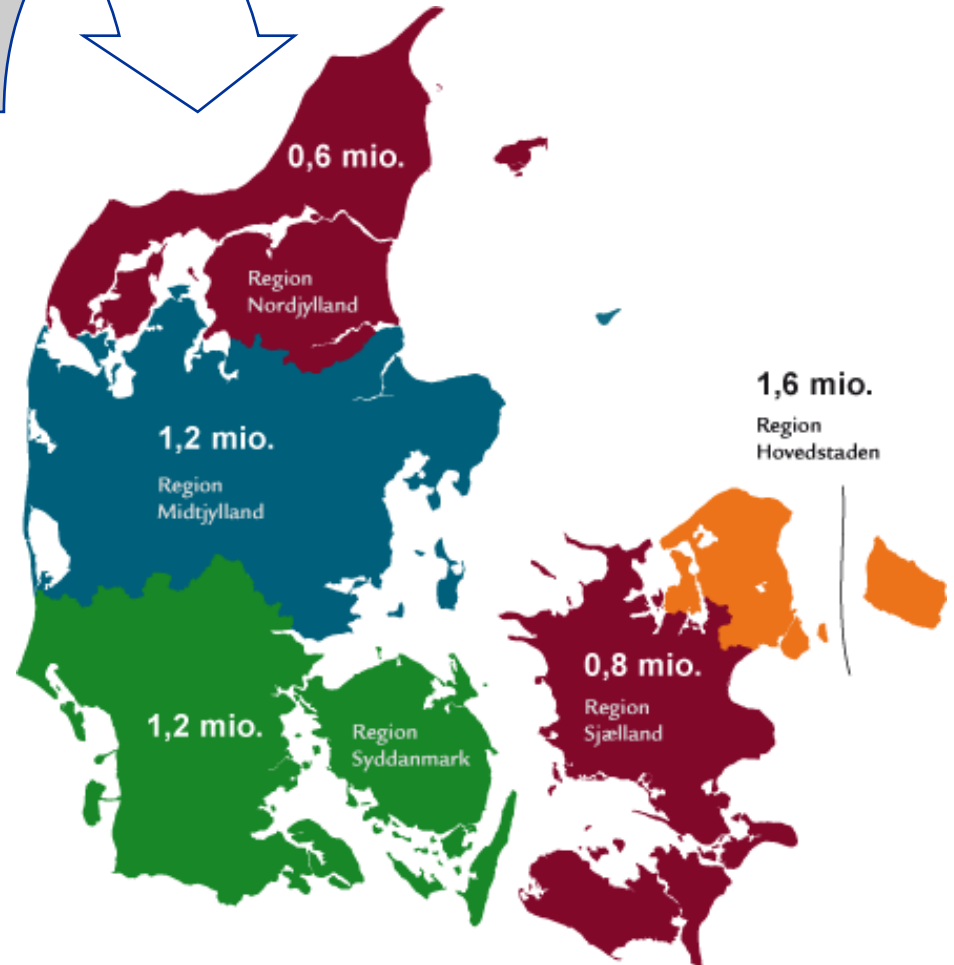
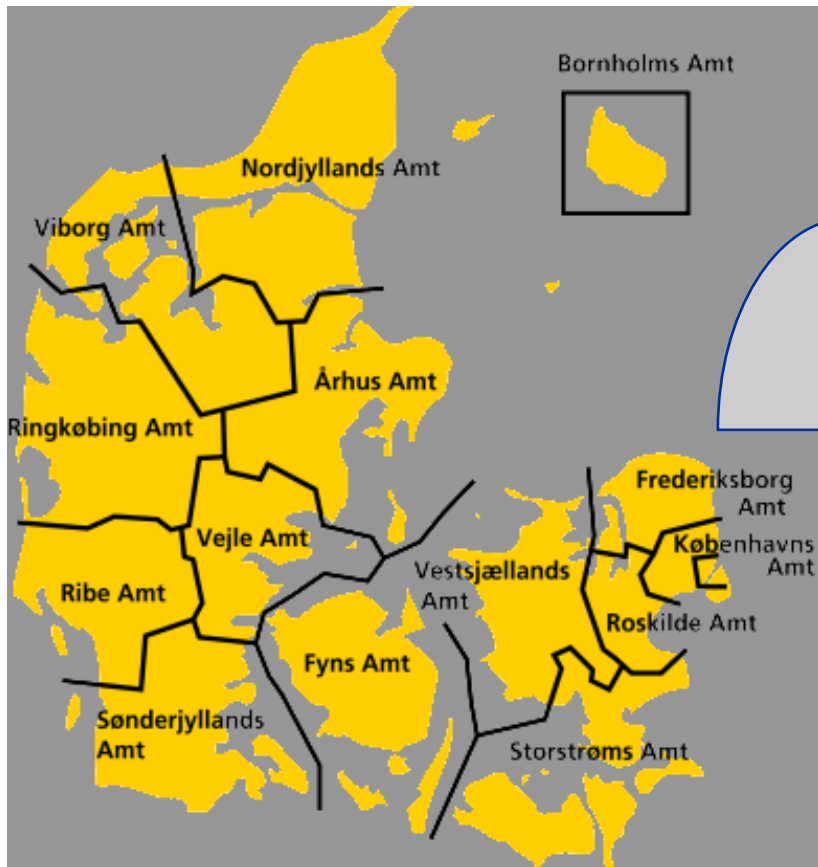
SIEMENS

medical

Carestream 
HEALTH


Medical Insight

nexus/ag
e-health solutions



Counties to Regions
All have multivendor
PACS

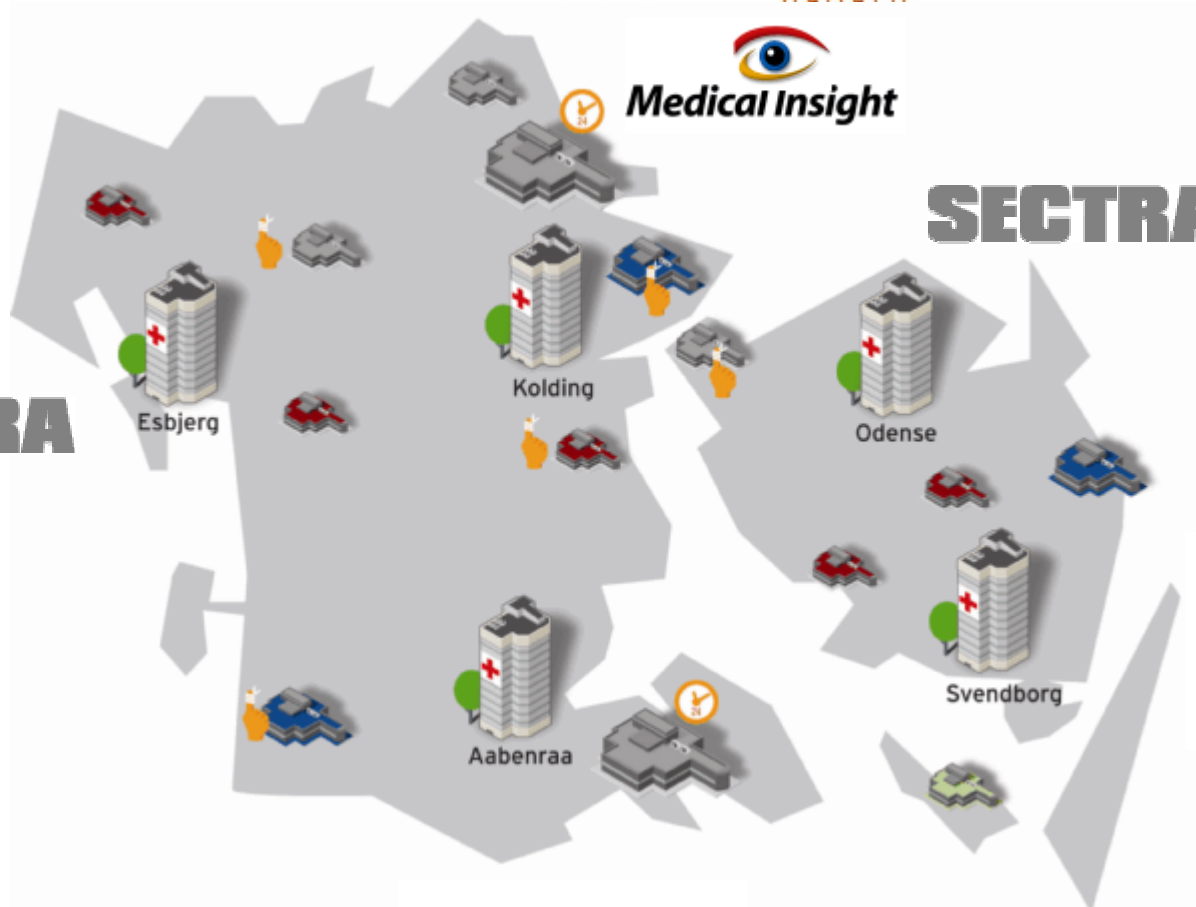
Carestream
HEALTH



Medical Insight

SECTRA

SECTRA



GE Healthcare



GE Healthcare





Before the end of 2013 each region must have:

- A regional Electronic Patient Record (EPR)
- A uniform clinical portal
- Single sign on
- Digital dictation
- A plan for implementing Speech Recognition



The Electronic Patient Record must have:

- Clinical notes
- Medicine
- Ordering
- Booking
- Patient Administration System (PAS)
- Access to pathology, microbiology and lab results
- Access to PACS images !!



Before the end of 2012:

- All PACS data must be available and exchangeable
- Between all PACS systems in Denmark

Achievable only by:

- Streaming technology
- Virtual PACS databases





National Personal Identifier CPR number



Personal Digital Login Nem ID



Computer Methods and Programs in Biomedicine 66 (2001) 87–90

Computer Methods
and Programs
in Biomedicine

www.elsevier.com/locate/cmpb

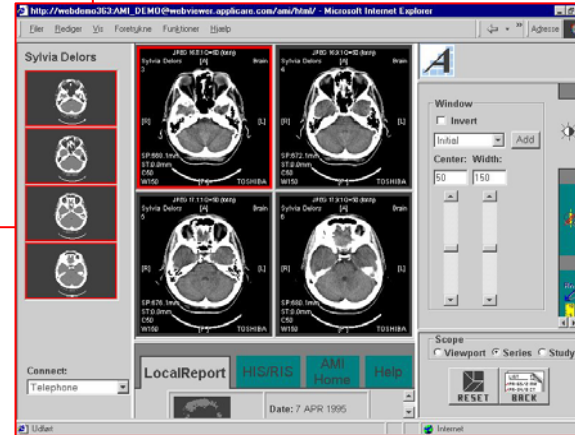
Vejle og Give Sygehus
Vejle



WEB technology — the future of teleradiology?

Finn K. Mathiesen *

Department of Radiology, Vejle County Hospital, Kabbeltoft 25, DK-7100 Vejle, Denmark



SJRS 1998 Kobe

Streaming technology – The future of teleradiology ?

SJRS 2010 Vejle

