

Baltic eHealth

- *empowering regional development in the Baltic Sea Region by use of cross-border telemedicine*

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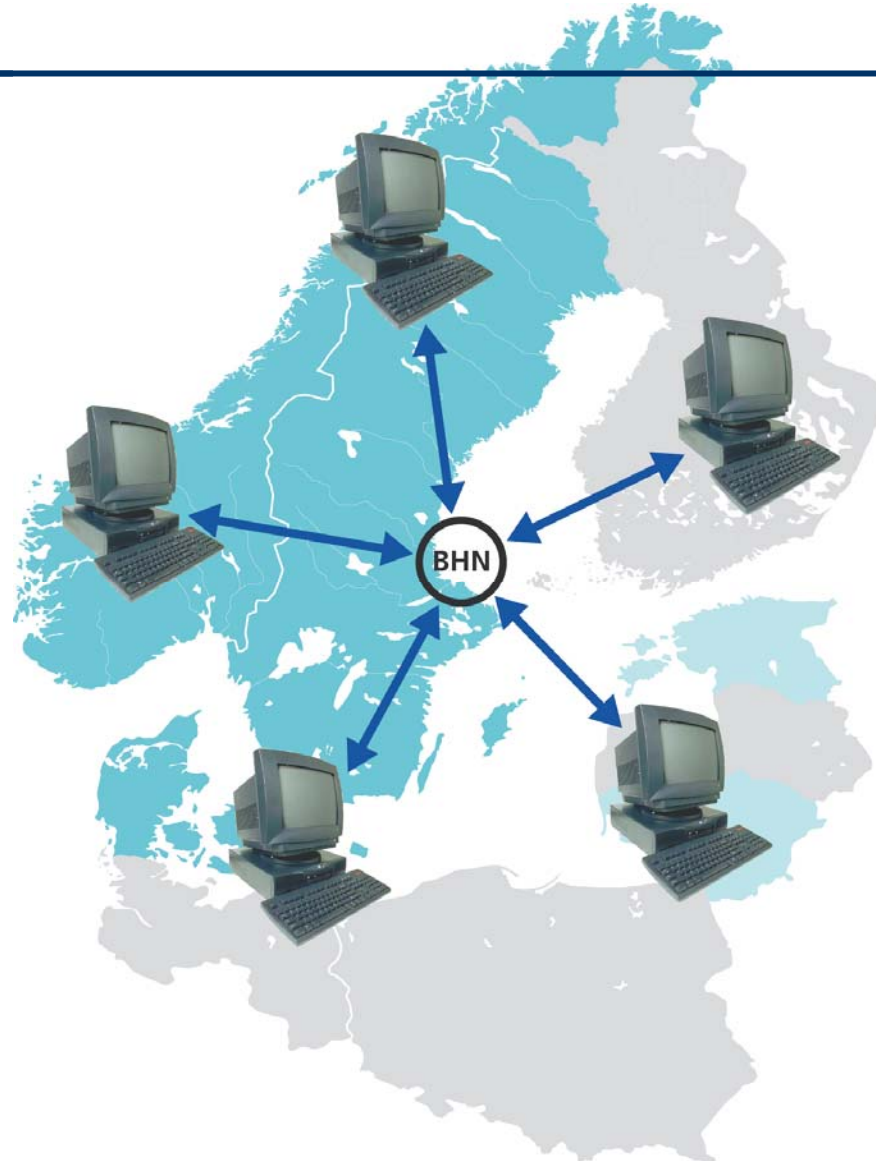
Barriers to cross-border telemedicine



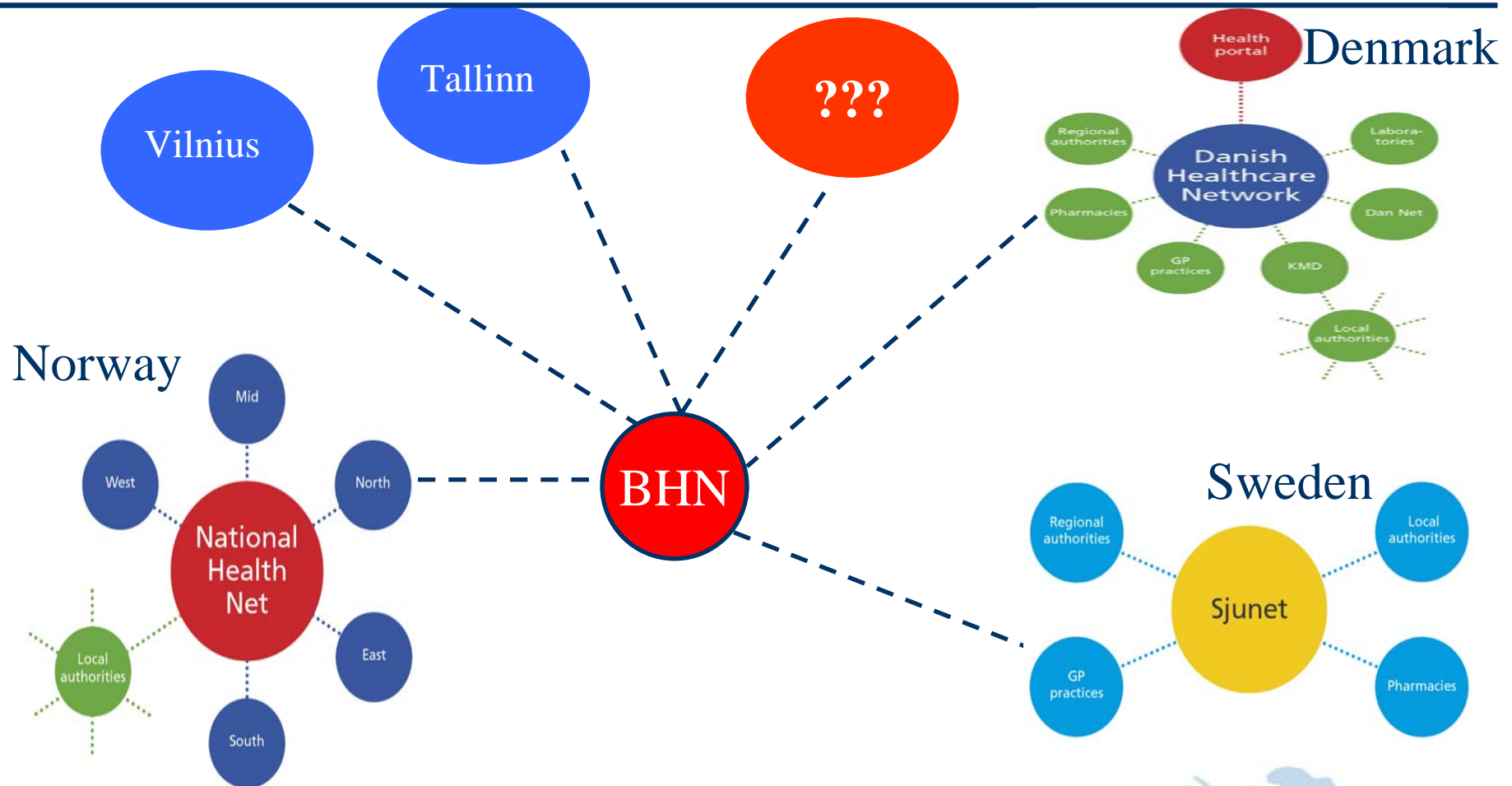
- Interoperability
 - Networks and security
 - Standards, terminology and semantics
- Reimbursement not settled
- Legal issues
- Cultural and linguistic differences



The Baltic Health Data Network



Network and Security in the BSR - one step towards interoperability



Technical solution for the Network connections



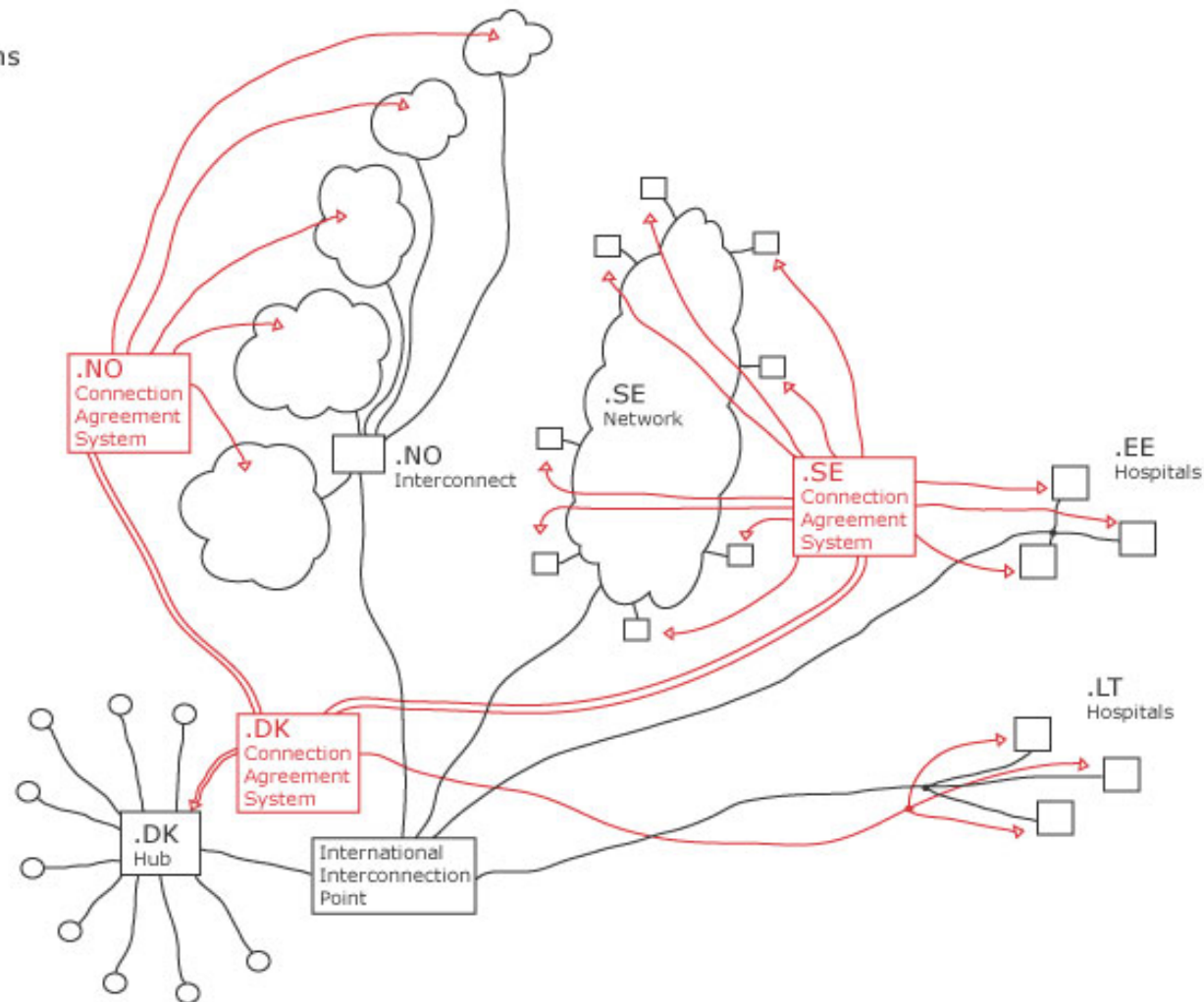
- Based on the Danish infrastructure model
- Implementation of a local version of the Danish “agreement” system in Norway and Sweden
- Development of a cross-border tool in the agreement system
- Common security model and rules for connection regional or local networks to the BHN.



Network connections and access control

Networks and connections are shown in black

Access control is shown in red



Tools on the network



- Service Portal (yellow pages)
- Videoconferencing broker
- Collaboration Platform
- Common archive for hospitals
- Telemedicine broker



Guidelines & business model



- Legal
- Reimbursement → Business model
- Organisational
- Cultural / linguistic

eUltrasound

- Classical Second opinion approach:
 - Mid-wives and doctors in Västerbotten
 - The Norwegian Centre for Fetal Medicine
- First step – *off-line* consultation by the use of the collaboration server
- Second step – *on-line* consultation

eRadiology



Barriers in eRadiology



- Technical access to the exchange of images
- Integration of referrals and reports in existing system
- Professional doubts about skills and competences in the Baltic countries

Structured Reporting Tool



Rapportverktyg - Microsoft Internet Explorer

Arkiv Redigera Visa Favoriter Verktøy Hjälp

Bakåt - - - - - Sök Favoriter - - - - - Gå till Länkar >>

Adress http://int.lindev.org:3000/contexts/edit/1

Collaboration reporting tool

Tillbaka till listan ← Föregående undersökning → Nästa undersökning → Spara rapport Visa rapport Log out

Rapporter:

- ✓ Vänster skuldra, höger skuldra
- ✓ Namnlös rapport
- ✓ Namnlös rapport
- ✓ Namnlös rapport
- ✓ Namnlös rapport
- ✓ Vänster armbåge

Ny rapport

Patientdata:

Tilldelad till: Emil Styrke, lindev
Patientens namn: foo
Patient-ID: Hej
Patientbeskrivning:
Status: Aktiv
Språk: Lägg till språk ▾
Signaturer:

Anatomisk region

Quick templates:

- Normal
- Osteoarthrosis
- Trauma
- Rheumatoid arthritis
- None of the above

Eller välj ett formulär ▾

Testformulär create_other

Detta är bara ett dynamiskt testformulär.

Maträtt ▾

Hur vill du ha dom? ▾

Vad vill du ha att dricka? ▾

Fel på sidan. Internet



Initial Results



- BHN is established by connecting Norway and Sweden to the Danish HUB as if they were Danish regions (welcome back 😊)
- Pre-study of implementation of a Swedish and Norwegian version of the agreement system decided (January 2006)
- Concept from the cross-border agreement system has been developed by MedCom and Uni-C.
- Collaboration platform
- Structured Reporting Tool and multi-lingual secretaries ready
- Service Portal
- Legal issues report
- Data collected on importance of access to HC in Rural areas.
- (Reports on financial, cultural and technical issues)



Long-term vision



- If successful the BHN could be the model for an European-wide secure and interoperable infrastructure.



Partners



Facts:

- Ten partners
- Five countries
- Start: 2004
- End: 2007
- Budget: 2 M€

