



***Updates on the Latest Developments  
in Finland; TSO***

Baltic Electricity Market Mini-Forum  
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## Message of the presentation

- Balance services - Nordic harmonisation
- Reserves - Multiregional co-operation
- Transparency - Foreseeable mega trend
- Grid planning - From regional to interregional

## Balance services - Nordic harmonisation

Current models from 1995 - 1999

2002 - First proposal about harmonisation

2002-06 - Several studies and working groups  
– how to harmonise 4 "best in class models" :)

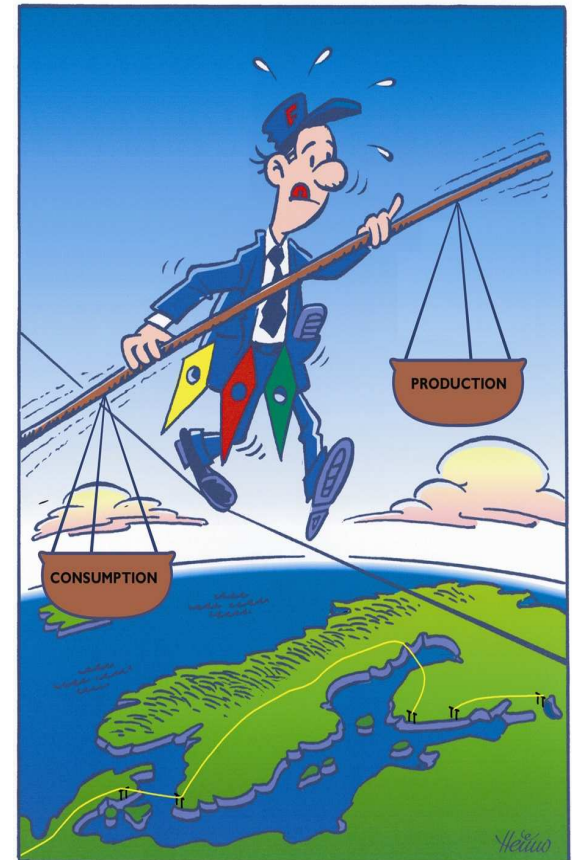
2006 - Nordel proposal

2007 - Nordel decision

2007/08 implementation

Regional harmonisation of imbalance settlement  
to be in use from 1.1.2009

**Electricity Market integration is a long  
process**





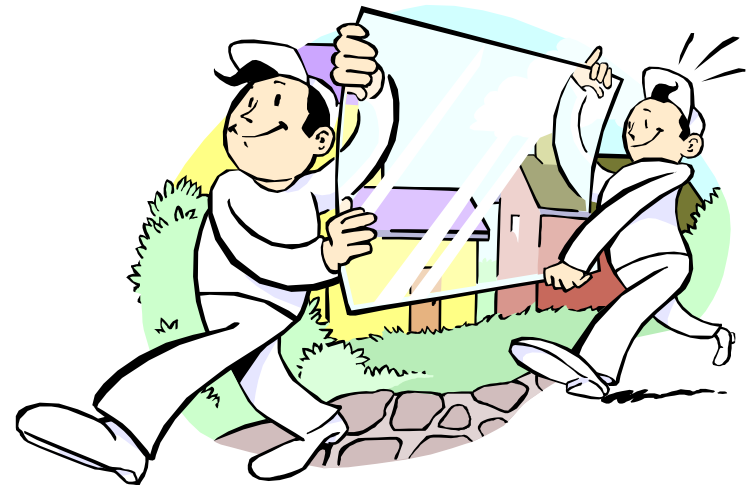
## Reserves - Multiregional co-operation

1. Increased exchange of operational reserves **between Nordic area and UCTE during the operational hour**
2. Russian interconnection is today used as frequency controlled operational reserve. **Fingrid negotiate to increase the utilisation of interconnection to other type of reserves as well**
3. Estlink is used as frequency controlled operational reserve. **Fingrid and Põhivõrk negotiate to extend the usage to other type of reserves**

**Efficient use of reserves within Nordic area needs multiregional thinking and co-operation**

## Transparency - Foreseeable mega trend

- Essential to offer the relevant market data available for all
- Power exchange (Nord Pool Spot) requires high-level transparency through its membership rules
- Relevant info missing incl. TSO-data => Nordel committed to improve the current situation
- Huge differences between EU countries
- Market information has high value in the open market. Neutral companies **MUST** treat all equally.



**TSOs and  
PEXs**

# Transparency

Member state ranking by market data publication	
Member State	Issues for which information is published (out of 49)
UK	38
Spain	34
Denmark	31
<b>Finland</b>	<b>30</b>
Sweden	27
Portugal	26
Poland	25
Lithuania	24
Germany	23
Slovenia	21
Italy	20
Hungary	18
Czech Republic *	17
Belgium	17
Netherlands	16
Greece	16
France	14
Ireland	13
Austria	12
Slovakia	8
Estonia	1
Latvia	0
Luxembourg	-
Cyprus	-
Malta	-

Development?

Source: EU Commission 2006

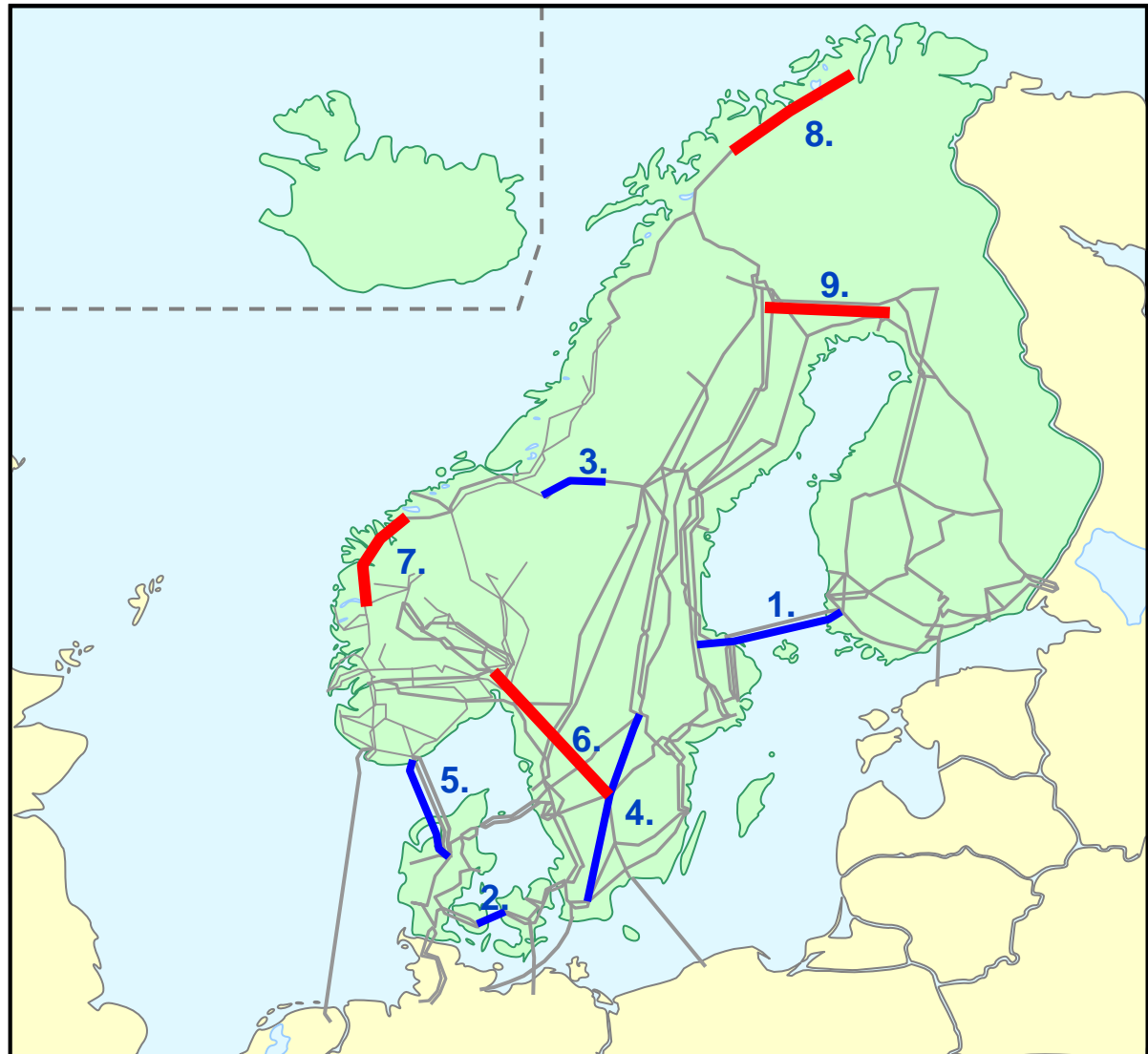
# Regional Grid Planning

## Nordel Plan 2004

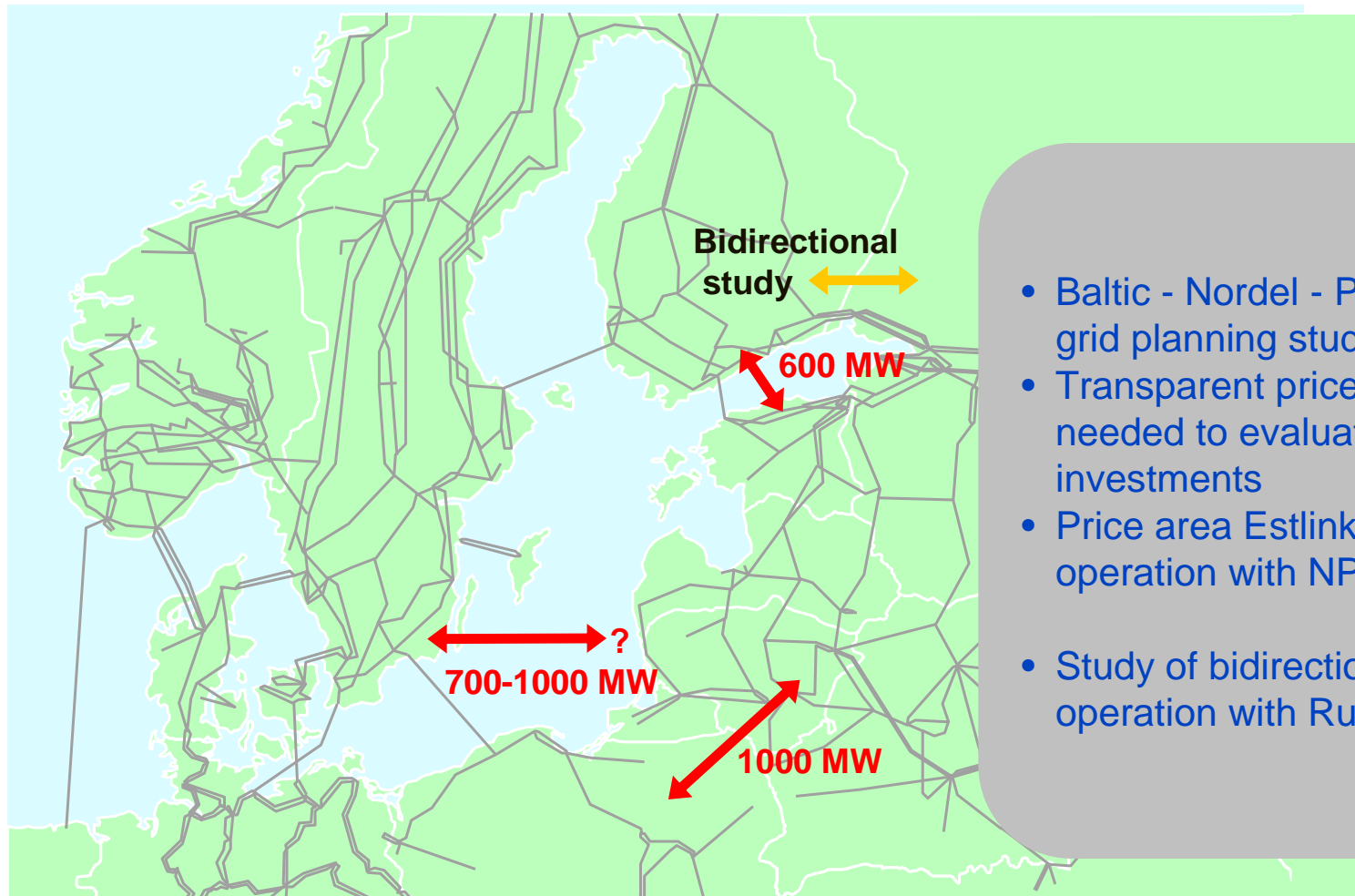
1. Fenno-Skan 2
2. Store Bælt
3. Nea - Järpströmmen
4. South link
5. Skagerrak IV

## Nordel Plan 2008

6. South-West link
7. Ørskog - Fardal
8. Ofoten - Balsfjord - Hammerfest
9. FIN-SE 3. AC-link



# Grid Planning -from regional to multiregional



- Baltic - Nordel - Poland grid planning study
- Transparent prices are needed to evaluate investments
- Price area Estlink in co-operation with NPSpot
- Study of bidirectional operation with Russia

# Nordel Grid Planning Seminar Copenhagen 23rd October...WELCOME



[www.nordel.org](http://www.nordel.org)

Electricity Market integration is a  
process...long process

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Thank you for your attention!