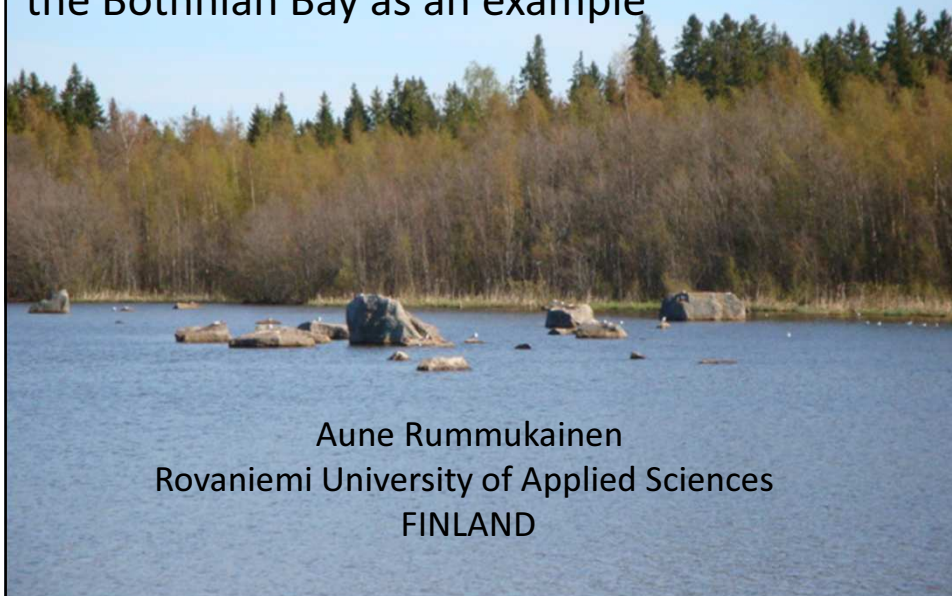
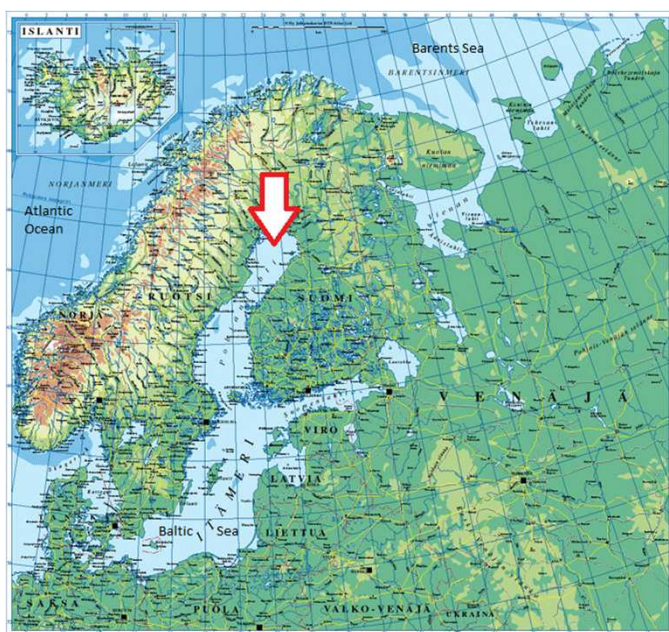


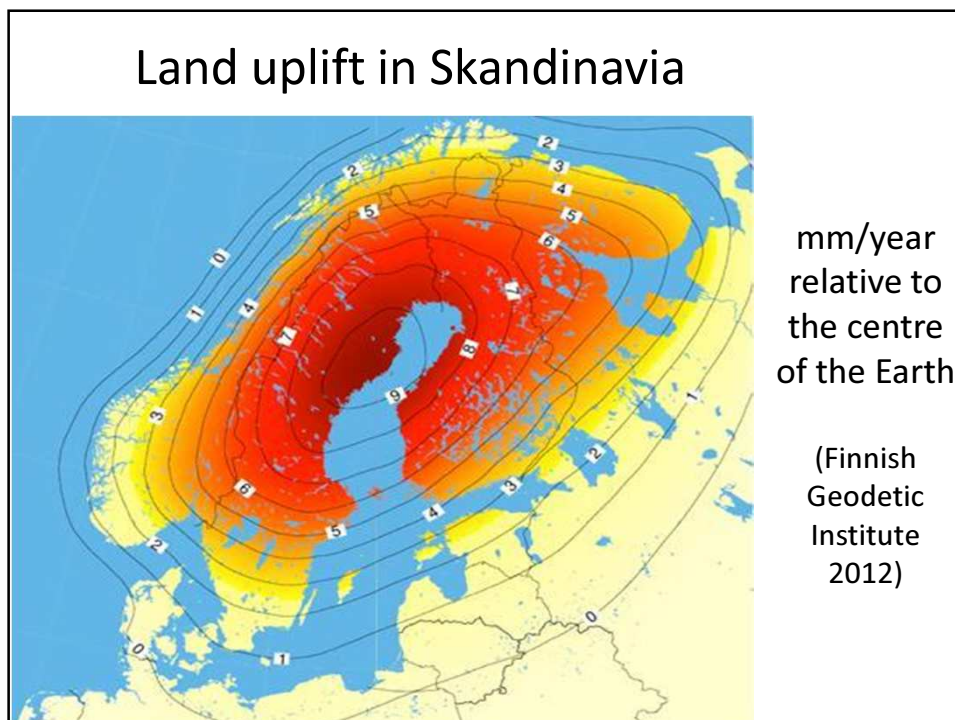
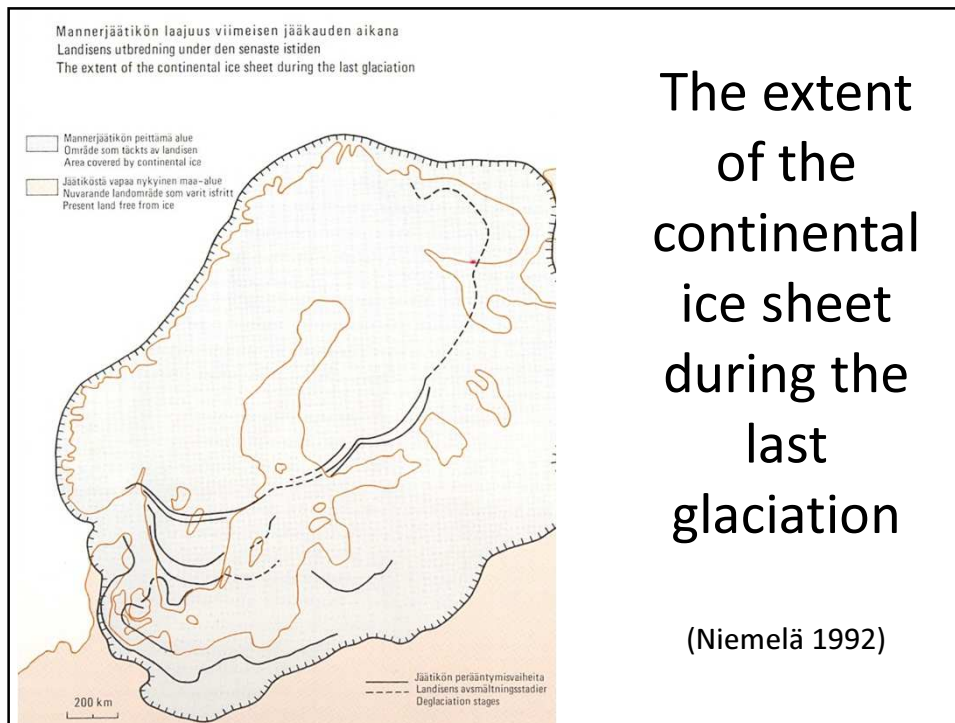
Land uplift and its effects in Finland – the Bothnian Bay as an example



Aune Rummukainen
Rovaniemi University of Applied Sciences
FINLAND



Bothnian
Bay
between
Finland
and
Sweden



High precision levellings

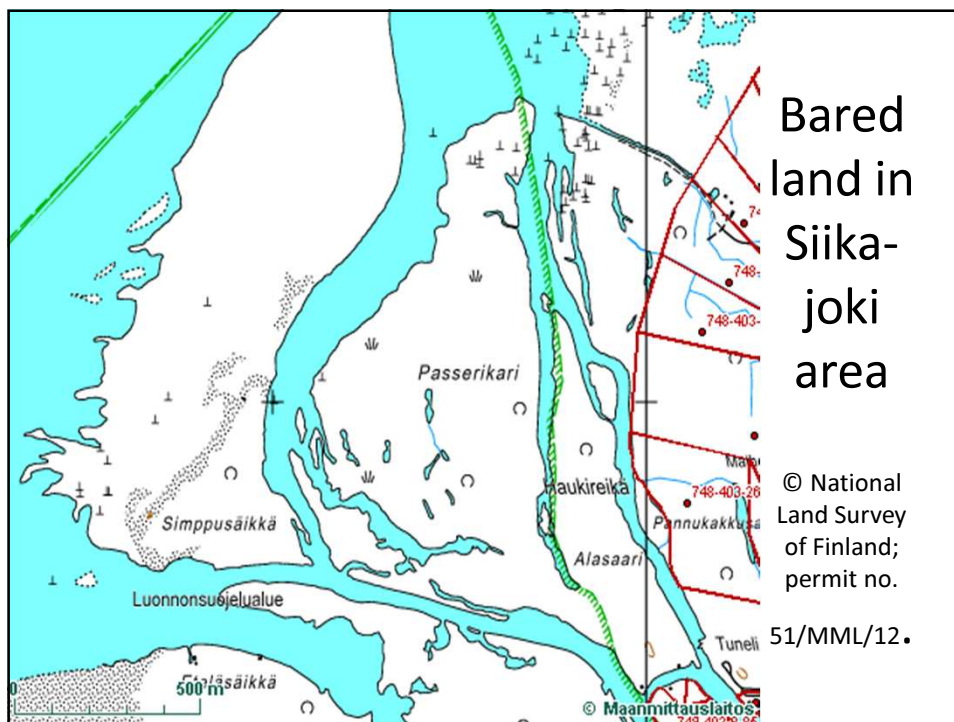
- Nationwide high precision levelling has been done three times in Finland:
 - In 1892-1910, 1935-1975, 1978-2006
 - Height system is based on levelling
 - Because of land uplift height system is need to be updated twice at century

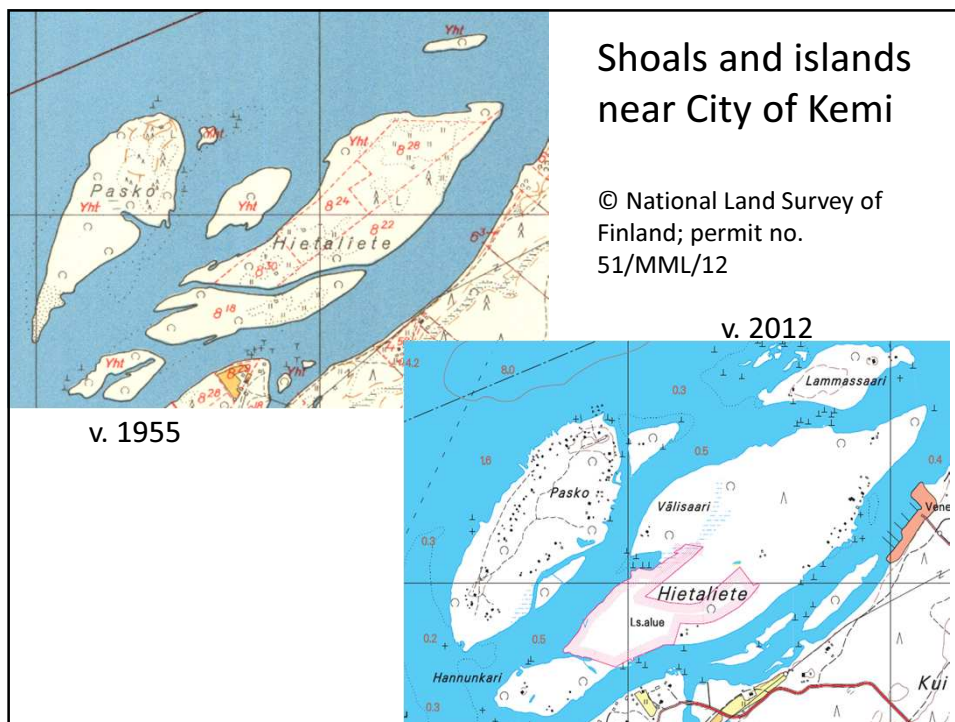
Height system

- Latest height system is N2000
 - Finnish realization of the common European height system
 - datum derived from NAP (Normaal Amsterdam Peil)
- Is it necessary to do fourth high precision levelling?

Finnish Geodetic Institute

- Mechanism of land uplift, changes it causes in gravity and details of land uplift are studied in Finland by the Finnish Geodetic Institute
- read more: www.fgi.fi





Flad near Jakobstad

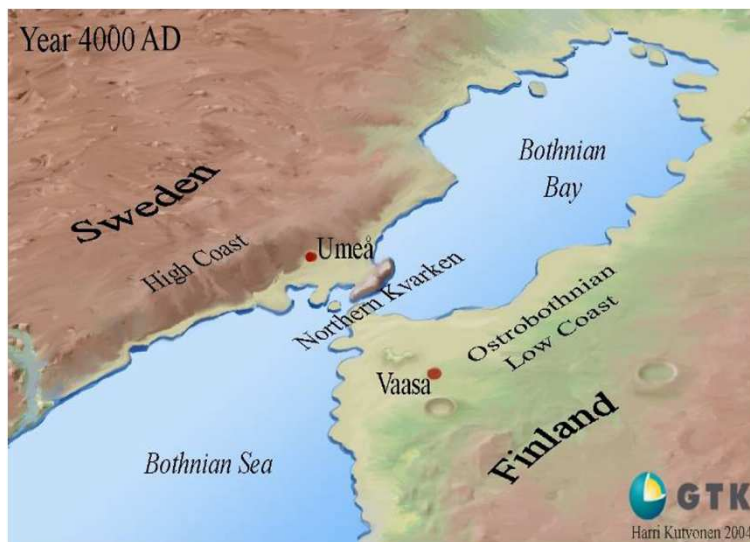


Glue lakes



Jern Olav & Metsähallitus 2012

Future (Kutvonen 2004)



Thank You of Your
Attention!

aune.rummukainen@ramk.fi

Pictures

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