



WSS

— as of 30.3.2006

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ASTRA Meeting,

3-5 April 2006

Potsdam, Germany



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Story so far

- ≡ Data collection completed – good overview on the effects of the storm acquired
- ≡ 2nd draft of the Winter storm study completed by ECAT
- ≡ Findings:
 - In many places an exceptionally strong storm
 - Diverse effects in study areas; map
 - Serves as a good example on extreme weather events
 - Shows variation in the level of vulnerability
 - Main interests coastal processes, forestry and electricity networks

Effects of the Jan 2005 winter storm on the Baltic Sea

Map: Johanna Roto and Simo Haanpää /YTK

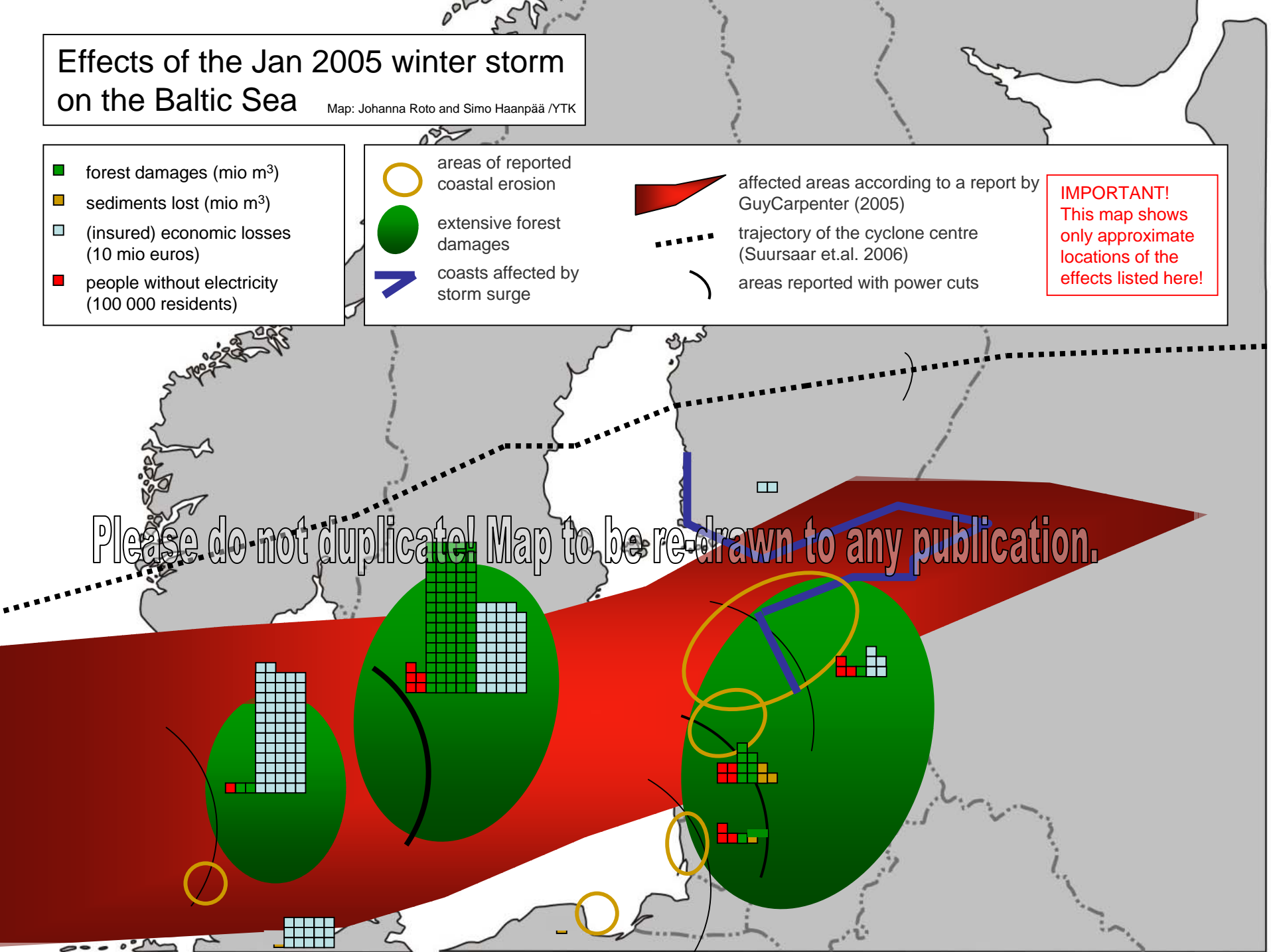
- forest damages (mio m³)
- sediments lost (mio m³)
- (insured) economic losses (10 mio euros)
- people without electricity (100 000 residents)

- areas of reported coastal erosion
- extensive forest damages
- coasts affected by storm surge

- ▲ affected areas according to a report by GuyCarpenter (2005)
- ⋯ trajectory of the cyclone centre (Suursaar et.al. 2006)
- ⌒ areas reported with power cuts

IMPORTANT!
This map shows only approximate locations of the effects listed here!

Please do not duplicate! Map to be re-drawn to any publication.



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How to proceed?

≡ To do now:

- add weather data
- put the data collected into a context: more background studies
- Focus points:
 - **natural phenomena**: storm wind; forest destruction, power cuts. sea-level; erosion and storm surge
 - **vulnerability**: electricity networks, coastal development, forestry
 - **adaptation**: actor networks, emergency measures, planning & building codes
- PIK's results?
- visualise

≡ As an example: coastal erosion chapter

≡ TuTech to develop a web application based on PowerPoint slides – content to be discussed later