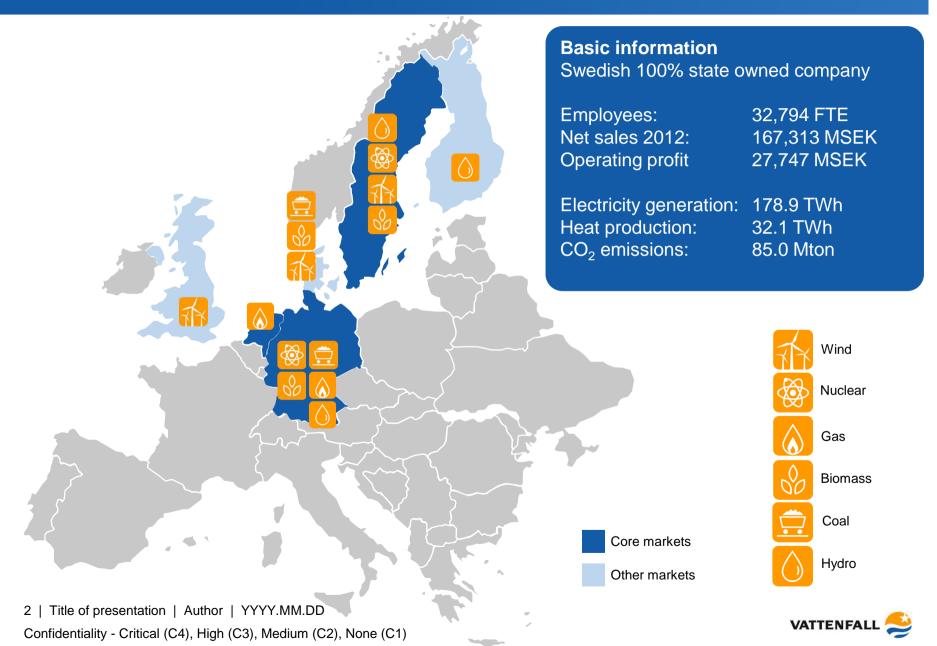


# Vattenfall and the International EPD<sup>®</sup>-system

EPD Stakeholder meeting

2013-06-04

### Vattenfall – a European energy utility



## Vattenfall's EPD work throughout the years





**First EPD** Vattenfall certified the first EPD in 1999 for the Hydro power from the river Luleälv

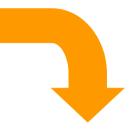


Development between 1999 and 2013

- 2001 Nuclear Power plant Forsmark
- 2002 Nuclear Power plant Ringhals

Hydro power in Ume älv

- 2003 Wind power in Sweden
- 2004 Uppsala Waste incinerator
- 2005 Hydropower in the Nordic countries
- 2006 Uppsala CHP plant and Wind in the Nordic countries
- 2008 Coal power in Denmark
- 2010 Wind power in Europe
- 2010 Certified EPD process

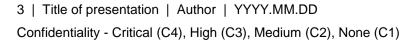


2013



**Currently certified EPDs** EPDs only in the Nordic countries

Only "low carbon technologies"





### **Current activities connected to EPD**

• EPD of Wind power in the UK

- Possible inclusion of non-environmental aspects in PCR CPC 171/173
  - Master thesis work trying to identify indicators that could be used to measure non-environmental aspects
- Spreading the EPD concept from the Nordic region to central Europe.
  - LCA for "high emitting" technologies









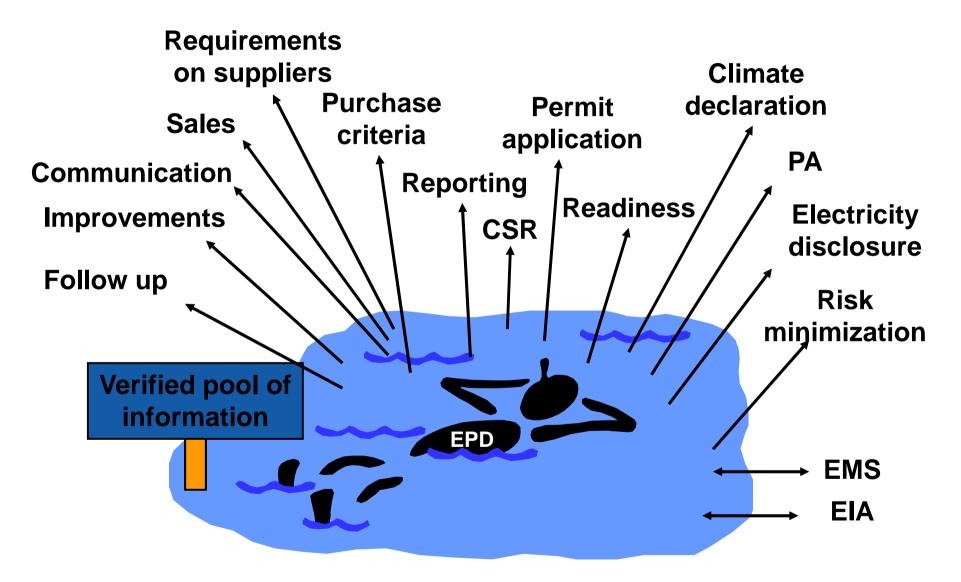
4 | Title of presentation | Author | YYYY.MM.DD Confidentiality - Critical (C4), High (C3), Medium (C2), None (C1)

#### Why are Vattenfall working with EPD? – three main points

- Interaction with Environmental Management Systems
  - Focus on significant aspects/processes within the life cycle
    - Decreasing environmental impact together with suppliers
  - Follow up environmental performance from a LCA perspective
- Unique electricity product on the Nordic electricity market
  - Being able to present detailed environmental data connected to the sold electricity in the B2B segment of the market has turned out to be very economically beneficial
- "License to operated"
  - Show stakeholders (politicians, NGOs etc) that we are aware and of our environmental footprint in order to get societies approval to continue operating our assets.



#### The use of EPD within Vattenfall







# Transparency will be beneficial in the long run...

Thank you!

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