Water shortage in the southeast of Sweden in 2016

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Peer review workshop on groundwater
Kalmar 8-9 September 2016
Local problem
Reason

Low groundwater recharge, 3rd year!
History of drainage

Precipitation, August 2015 - April 2016 in comparison to normal
Measures
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• No irrigation/water for pools
• Search for new aquifers
• Desalination plants
• Creation of new wetlands
• Water saving campaigne
Measure - search for new aquifers Sky TEM
Consequences/result

- High costs for municipalities (Öland >3 M€ for 2016, >3 M€ for 2017)
- Emergency plan for animal husbandary
- Problems for water intense industry
- Low water levels lakes, rivers and groundwater
- Risk for damage of ecosystems
- Risk for reduction of tourism

- Well working crises management - collaboration, monitoring of private wells.
Lessons learned - Theme 2 - Monitoring

- Underestimation of the problem. Climata analysis shows risk!
- 1,5% of the groundwater resources are monitored.

There is a need for monitoring av groundwater quantity for assessing the situation.
Lessons learned – Theme 3 PoM groundwater

- Underestimation of risk of water shortage
- Important - Water protection areas, future water supply
- Important - the need for a strategy for water, permits for water use
- Important - Regional plan for water
- Important - Established networks
- .................
Thanks

Florence 25 maj 2016

Rome, free distribution of drinking water
Field visit - water supply of Kalmar

12.20 Buss leaves at the entrance
12.45 - 14.00 Lunch at Vassmolösa, visit from the Press
14.15- visit of the Water supply of Kalmar,
16.30 Return to Kalmar
18.30 Dinner at Gröna stugan

Tomorrow, we meet at the entrance 8.20
Train station

Venue

Hotell

Restaurant

Train station
Nybroåsen - Esker aquifer, glaciofluvial deposit
Water protection area - Nybroåsen