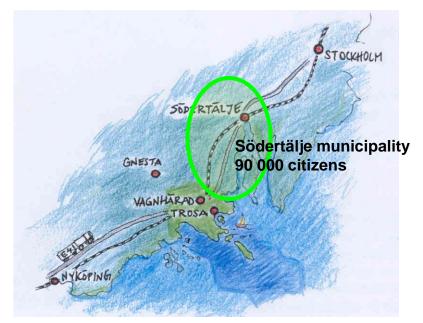




- Environmental Act in short terms
- The environmental board
- Eco Municipality in short terms

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Landscape



## **Sweden has 16 envrionmental objectives**

• http://www.miljomal.nu/Environmental-Objectives-Portal/

tal - Enviromental Objctives Portal - Microsoft Internet	Explorer provided by Södertälje kommun	
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Miljöm	Svenska   Site map   Accese	
Generational goal 1. Reduced Climate Impact 2. Clean Air 3. Natural Acidification Only 4. A Non-Toxic Environment 5. A Protective Ozone Layer 6. A Safe Radiation Environment U. Good-Quality Groundwater 10. A Balanced Marine Environment, Flourishing Coastal Areas and		års ng
Archipelagos 11. Thriving Wetlands 12. Sustainable Forests 13. A Varied Agricultural		



# The environmental act - general rules of consideration

#### Each company has to follow these general rules of consideration:

- Necesary knowledge
- Implement protective measures to prevent damage om envrionment or human health
- Principle of substitution. Don 't use stronger chemical than needed
- Conserve raw materials and energy. Reuse and recycle.
- Chose the most suitable place. Achieve the purpose with a minimum of damage or detriment to human health and the environment.



## The environmental act

# For environment and health - today and tomorrow



## **The environmental act - supervision**

- Three levels of supervision national, regional and local level. Depends on the type of activity, the risks for environment and health.
- Companies pay for supervision. Yearly fee and/or per hour depending on the need of supervision. The City Council decides the fees.
- The company pays for the needed supervision according to complaints.
- Many companies have to make a yearly environmental report
- The authority should contact the prosecutor if suspicion of crime



## **The environmental board**

- Muncipal board for the supervision according to the environmental act, the food act and some other related legislations
- 11 members elected among local politicians
- The mission is to according to the law. Their political colour should not have any influence.
- The officials are employed to do the operative work. 15 employed in Södertälje for the environmental act.



#### National grants to stimulate sustainable development

- Local investment programs for sustainable developement
- Solar energy
- Rationalize the use of energy
- Energy efficient windows
- "Green" cars
- Municipal energy and climate advisors



# **Local instruments**

- Tariffs
- Local grants
- Public procurement (Public procurement act)
- Physical planning a municipal monopoly



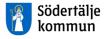
# Swedish eco municipality – in simple terms

- Renewable natural resources
- Minimize the use of chemical compounds that use of net Crosed by the complete Crosed by the coperation Followed experiences



#### A change in behaviour





# Ecological farm. Processing organic waste to gain renewable energy and nutrients. Could also process black water.





- No artificial fertilizer
- Renewable energy (methane)







# **Consider the complete benefit for the society – all the connected aspects**









- Cleaning of water
- Makes the treatment visible
- Biological values
- Pedagogical values
- Recreation values
- Beauty



#### Infrastructure for safe reuse of blackwater (urine + faeces) in agriculture

Link to video about the system for treatment of blackwater. Wet composting combined with treatment by adding of Urea. <u>http://www.telge.se/Vatten--avlopp/Avlopp/kretsloppanlaggning/</u>