

HOME

the E-hype System

SMHI

HOME Water

An interactive support system for water quality management to comply with the WFD.



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HOME Water at present

Financing

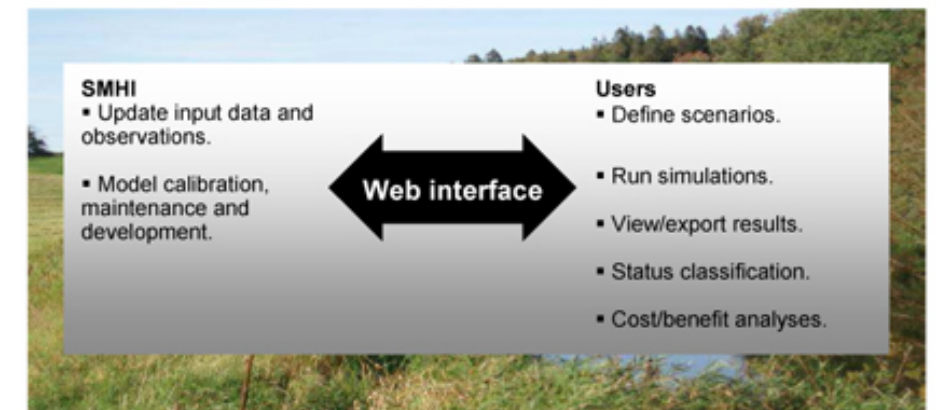
- SMHI
- Swedish Environmental Protection Agency.
- Water District Authorities
Spatial resolution.
- Approximately 1200 sub-basins for inland waters, will increase to over 17000 in next version.
- 550 water bodies for coastal waters.



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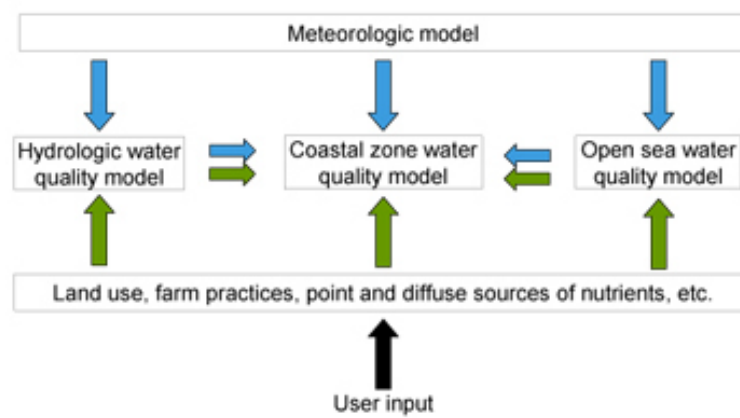
HOME Water basic features



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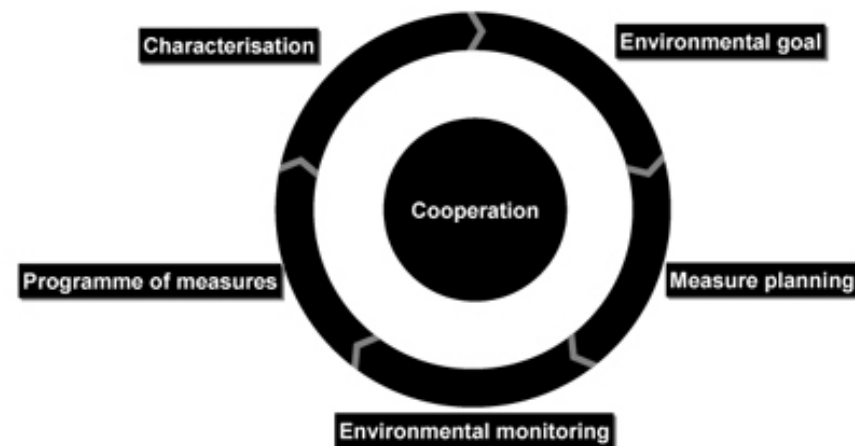
HOME Water modelling system



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HOME Water in the Water Framework Directive

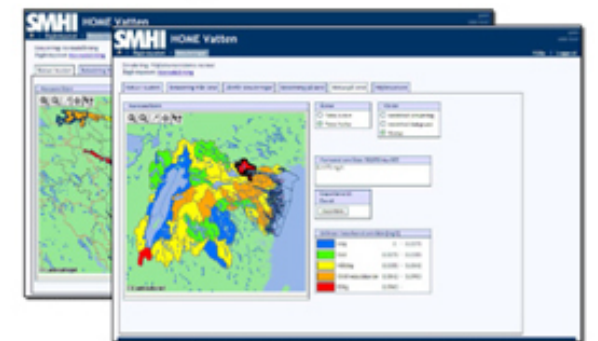


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HOME Water Model analyses

- Status in coastal water bodies according to water quality criteria.
- Status in PLC5 sub-areas according to water quality criteria.

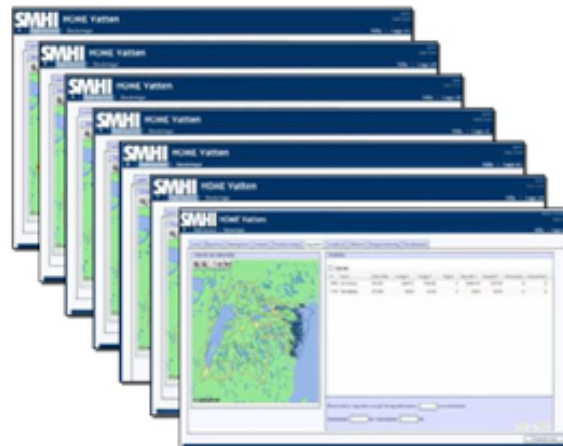


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HOME Water user interface

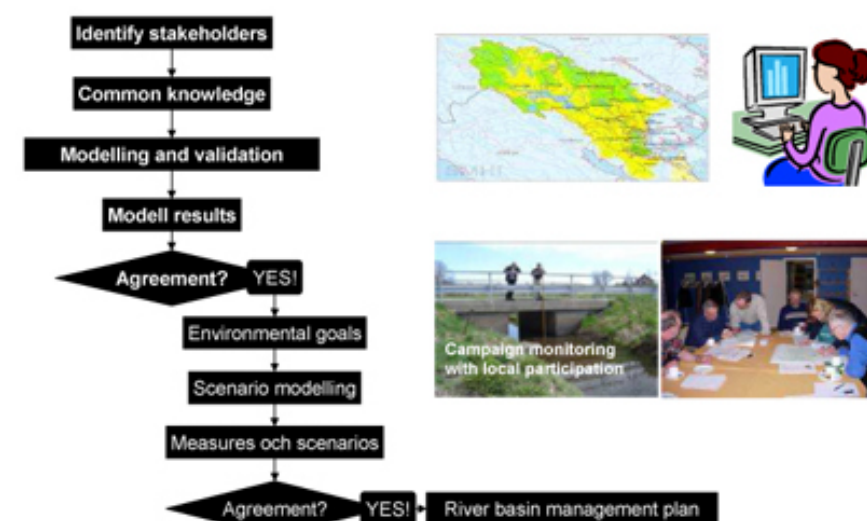
- Waste water treatment plants.
- Industries.
- Wetlands.
- Buffer Zones.
- Rural sewage systems
- Cleared forest area.
- Storm water from hard surfaces.
- Economy.



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Process for participatory modelling



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Decision base for measures - process

- Stake-holder discuss on alternative measures. A few are chosen.
- Values for the alternative measures are entered via the HOME interface
- The Hype-model is run – giving scenarios for the alternatives
 - Results shows the different impacts on the environmental status in the area.
 - HOME also give possibility to enter costs for the measures: A cost-benefit analyses can be made.
 - The best accepted and most efficient measure can be chosen on a scientific base.

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HOME Water is available online

<https://homevatten.smhi.se/homevatten/home.do>
take contact for user id and security code



Take contact for user id and security code

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