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# WP3 work group meeting

Tue, 30-March 2006

Teemu Ulvi, SYKE

# Agenda

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1. Original plans
2. Recent activities
3. Basic structures
4. Realisation plan
5. Training and testing the tools
6. Organising the feedback workshop
7. Dissemination of tools

# 1. Original plans



		WP3 Outputs per Milestone
1	Jul- Dec04	<ul style="list-style-type: none"><li>- analysis of WFD effects on river basin planning</li><li>- review of project plans</li></ul>
2	Jan- Jun05	<ul style="list-style-type: none"><li>- first extended version of Planner's Toolbox available</li></ul>
3	Jul- Dec05	<ul style="list-style-type: none"><li>- first versions of tools presented in mid-term workshop</li><li>- training plan for regional planning authorities with WP4</li></ul>
4	Jan- Jun06	<ul style="list-style-type: none"><li>- preparation of tool package</li><li>- first test runs at case study areas</li></ul>
5	Jul- Dec06	<ul style="list-style-type: none"><li>- full scale testing of tool packages</li><li>- report preparation</li></ul>
6	Jan- Jun07	<ul style="list-style-type: none"><li>- finalizing of tool packages</li><li>- final workshop</li><li>- final report</li><li>- determination of further steps for tool development</li></ul>

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2005		Preparation of toolbox					First version of Toolbox available	Preparation of toolbox continues				First versions of tools presented in mid-term workshop	Training plan for spatial planners with WP4
		1st WG meeting								2nd WG meeting		Watersketch mid-term workshop	
2006		Preparation of toolbox continues First test runs at case study areas					Full-scale testing of tool packages Report preparation						
				3rd WG meeting			4th WG meeting			Seminar on collaborative planning		Feedback seminar	
2007		Finalising the tool packages Determination of further steps for tool development Report preparation					Final report	GENERAL TIMETABLE					
						Watersketch final workshop							



## 2. Recent activities

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- ≡ external consultant (HN-Soft) hired for toolbox programming and data administration
- ≡ brainstorming meeting in Helsinki, 9-11 Jan 2006
  - SYKE, NERI & HN-Soft
  - basic structures agreed
  - consultant had prepared the website administration tools and demonstrated how to use them



## 2. Recent activities

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- ≡ Tool training session (Helsinki, 1-3 Feb 2006) was successful
  - 24 participants from 11 organisations
    - SYKE, NERI, North Jutland County, TU Hamburg-Harburg, TU Lodz, TU Kaunas, CORPI, TU Helsinki, Satakunta Council, NOREC, EIA Ltd
  - tools demonstrated
    - RLGIS
    - WebHipre
    - Public Hearing Database
    - Priority Game
    - REGCEL/REGEFF
    - DHRAMFIN

# Results from Helsinki: RLGIS

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## ≡ What did we do?

- Demonstrations of different RLGIS applications
- Started using RLGIS with Finnish GIS data
  - bringing the GIS data to the programme
  - forming the flow network
  - defining drainage basins for any chosen point
  - examining land use distributions

# Results from Helsinki: WebHipre

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## ≡ What did we do?

- Demonstrations of application possibilities
- Started real applications at Minija River and Limfjorden
  - structuring the value tree
  - assessing the impacts of each alternative
  - determination preferences of decision makers

# Results from Helsinki: Tools for participatory planning

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## ≡ What did we do?

- demonstrations of tools
  - Public Hearing Database
  - Priority Game
- getting to know the tools by testing them

# Results from Helsinki: Water level and flow analysis tools

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## ≡ What did we do?

- Demonstrations of using the tools (REGCEL/REGEFF and DHRAM applications)
- Discussion on how to reform the models to be suitable for using in other countries

## 3. Basic structures

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### Toolbox administration tools

- ≡ administration interface is at the URL:  
<http://toolbox.watersketch.net/admin/admin.php>
- ≡ the results of may be seen at:  
<http://toolbox.watersketch.net/devel/index.php>

Watersketch Toolbox - Mozilla Firefox

Tiedosto Muokkaa Näytä Siirry Kirjanmerkit Työkalut Ohje

http://toolbox.watersketch.net/devel/index.php

Aloitussivu Uutisotsikot



[Library](#) | [Tools and Guidelines](#) | [Examples](#) | [About Watersketch toolbox](#) | [Home](#)

- ◆ [River Basin Planning](#)
- + [Current status assessment](#)
- + [Environmental objectives](#)
- + [Measures](#)
- + [River Basin Management](#)

### Welcome to Watersketch toolbox

River basin management is a very demanding task, where all the actions of society have to be taken into account. All human actions on the drainage basin may cause harmful effects on the surface waters or groundwater and finally to the coastal waters near the river mouth. This toolbox offers the environmental and spatial planners a joint source of information and provides practical tools and procedures for sustainable planning and management of river basin.

This toolbox is in the project "Watersketch - Principles, tools and systems to extend and harmonise spatial planning on water courses in the Baltic Sea Region". Watersketch is partly financed by Baltic Sea Interreg III B Programme.

Valmis

start | Inbox - Netscape Folder | D:\Watersketch\Meet... | Intranet - Netscape | WP3\_Tune\_300306.ppt | Watersketch Toolbox... | FI | 14:30

## DROP-DOWN MENUS

Library

Tools and guidelines

Examples

About Watersketch toolbox

Home

### MAIN MENU

#### 1st level headlines

Introduction

[Current status assessment](#)

Environmental objectives

Measures

River basin management plan

**WELCOME!**

**Level 0**

**Link to [www.watersketch.net](http://www.watersketch.net)**

- MAINLY ALL LINKS WILL OPEN IN THE BLUE BODY COLUMN
- PDF- AND OTHER TYPE OF DOCUMENTS WILL OPEN IN A NEW WINDOW

Library

Tools and guidelines

Examples

About Watersketch toolbox

Home

### 1st and 2nd level headlines

#### Introduction

- Spatial Planning & River Basin Planning

#### [Current status assessment](#)

- Legal framework
- Current quality of watercourses
- Pressures and impacts

#### Environmental objectives

- Legal framework
- Setting up the objectives
- Monitoring
- Classification of waters
- Achieving the objectives

#### Measures

- Legal framework
- [Programme of measures](#)

#### River basin management plan

- Legal framework
- Participatory planning
- Implementing the plan
- Monitoring and updating the plan

## Texts of 1st level

**texttexttexttext**  
**texttexttexttext**

Library

Tools and guidelines

Examples

About Watersketch toolbox

Home

### 1st and 2nd level headlines

#### Introduction

- Spatial Planning & River Basin Planning

#### Current status assessment

- Legal framework
- Current quality of watercourses
- Pressures and impacts

#### Environmental objectives

- Legal framework
- Setting up the objectives
- Monitoring
- Classification of water bodies
- Status of watercourse: bad vs. good

#### Measures

- Legal framework
- Programme of measures

#### River basin management plan

- Legal framework
- ...

## 2nd level text

texttexttexttext

texttexttexttext

**Links to 3rd level after or within the text of 2nd level**

**1st and 2nd level headlines**

Introduction

- Spatial Planning & River Basin Planning
- [Current status assessment](#)
- Legal framework
- Current quality of watercourses
- Pressures and impacts

Environmental objectives

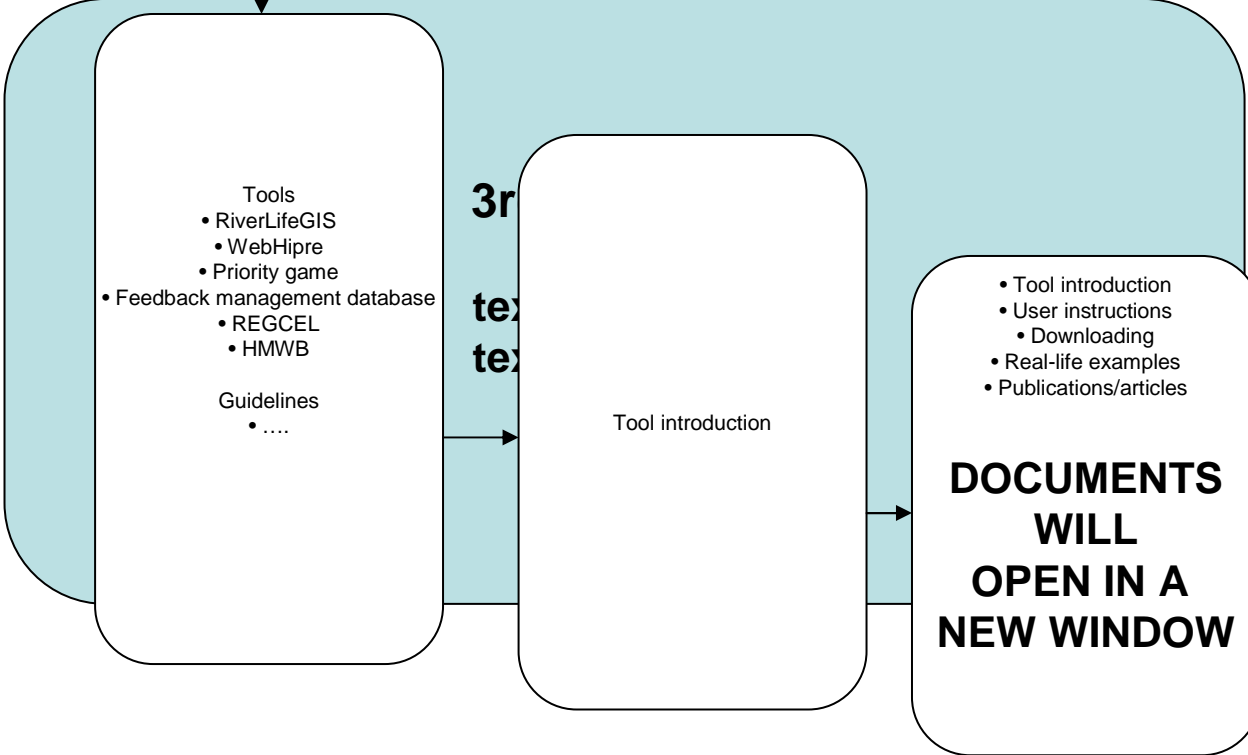
- Legal framework
- Setting up the objectives
- Monitoring
- Classification of water bodies
- Status of watercourse: bad vs. good

Measures

- Legal framework
- [Programme of measures](#)

River basin management plan

- Legal framework
- ...



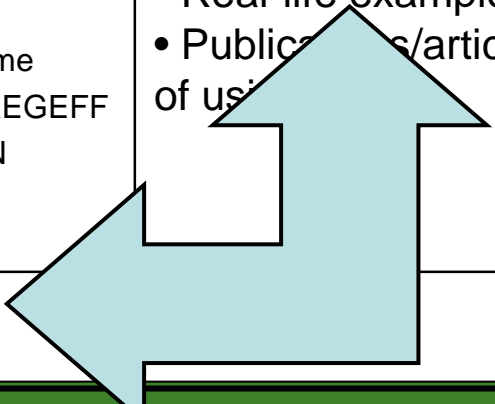
# 4. Realisation plan



MAIN MENU	MAIN CONTENTS	HOW TO PREPARE THE CONTENTS
<b>Introduction</b> <ul style="list-style-type: none"> <li>• Spatial Planning &amp; River Basin Planning</li> </ul>		
<b>Current status assessment</b> <ul style="list-style-type: none"> <li>• Legal framework</li> <li>• Current quality of watercourses</li> <li>• Pressures and impacts</li> </ul>		
<b>Environmental objectives</b> <ul style="list-style-type: none"> <li>• Legal framework</li> <li>• Setting up the objectives</li> <li>• Monitoring</li> <li>• Classification of waters</li> <li>• Achieving the objectives</li> </ul>		
<b>Measures</b> <ul style="list-style-type: none"> <li>• Legal framework</li> <li>• Programme of measures</li> </ul>		
<b>River basin management plan</b> <ul style="list-style-type: none"> <li>• Legal framework</li> <li>• Participatory planning</li> <li>• Implementing the plan</li> <li>• Monitoring and updating the plan</li> </ul>		

# 4. Realisation plan

DROP-DOWN MENU	MAIN CONTENTS	HOW TO PREPARE THE CONTENTS	
Library	<ul style="list-style-type: none"> <li>• WFD documents</li> <li>• Spatial planning documents</li> <li>• Publications</li> <li>• Scientific articles</li> </ul>	<ul style="list-style-type: none"> <li>• Seek the documents from internet</li> <li>• Create links/save the documents to the toolbox server</li> </ul>	
Tools <ul style="list-style-type: none"> <li>• RLGIS</li> <li>• WebHipre</li> <li>• Public Hearing Database</li> <li>• Priority Game</li> <li>• REGCEL/REGEFF</li> <li>• DHRAMFIN</li> </ul> <b>Guidelines</b> <ul style="list-style-type: none"> <li>• ???</li> </ul>	<ul style="list-style-type: none"> <li>• Tool introduction</li> <li>• User instructions</li> <li>• Downloading</li> <li>• Real-life examples</li> <li>• Publications/articles of use</li> </ul>	Tools <ul style="list-style-type: none"> <li>• RLGIS</li> <li>• WebHipre</li> <li>• Public Hearing Database</li> <li>• Priority Game</li> <li>• REGCEL/REGEFF</li> <li>• DHRAMFIN</li> <li>• ???</li> </ul>	Mainly responsible partner <ul style="list-style-type: none"> <li>• NOREC</li> <li>• SYKE</li> <li>• NJA</li> <li>• NJA</li> <li>• SYKE</li> <li>• SYKE</li> <li>• ???</li> </ul>
Examples		<b>All partners' contribution are needed!</b>	



## 4. Realisation plan



### TIMETABLE

<b>Main menus</b>	<i>During the summer</i>
<b>Drop-down menus</b>	
Library	<i>During the summer</i>
Tools and guidelines	<i>By the feedback seminar</i>
Examples	<i>By March 2007</i>



## 5. Training and testing the tools

# Who will apply RLGIS?



Case studies		
Lithuania	Yes	Will be applied at Minija River
Poland	No	No
Germany	Probably	Will not be applied in large scale at Elbe River, but might be tested in some smaller sub-catchment
Denmark	Yes	Will be applied in some smaller sub-catchment of Limfjorden)
Finland	Yes	Has already been applied in forest and peat case studies at Oulujoki River

# How to continue with RLGIS?



- ≡ Define the problem you want to examine by RLGIS
- ≡ Seek the needed GIS data
  - Digital Elevation Model (DEM) as raster data
  - Land use data (e.g. Corine Land Cover) preferably as raster data
  - Rivers as vector data
  - Export coefficients for different land uses: forest, agriculture... (kg nitrogen/km<sup>2</sup>/year, kg phosphorus/km<sup>2</sup>/year)
  - Flow measurements as daily values or monthly averages (are needed for some calculations)
- ≡ Just do the application!
  - SYKE offers user support by e-mail or by personal assistance
- ≡ Give feedback, report the problems and express your ideas of new features for programme developer

# Who will apply Web-HIPRE?



Case studies		Case description
Lithuania	Yes	Several scenarios
Poland	Yes	Several scenarios
Germany	Yes	Will be defined later
Denmark	Yes	Will be defined later
Finland	Yes	Already applied in Meri-Pori case study. Will be applied in hydropower case at River Oulujoki or somewhere else

# How to continue with WebHipre?

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- ≡ Can the case studies work on their own?
  
- ≡ When do case studies need assistance?
  - In the beginning of the analysis
  - Before the weighting
  - In analysing the results
  
- ≡ How to give assistance?
  - Group meetings / one-to-one meetings with case studies

# Who will apply participatory planning tools?



Case studies	Public Hearing Database	Priority Game
Lithuania	No	No
Poland	No	No
Germany	Yes	?
Denmark	Yes	No
Finland	Yes	Yes?

# How to continue with participatory planning tools?



- ≡ Public Hearing Database will be translated completely into English
  - also Finnish translation will be done
- ≡ Just use it in your case study or in some other project
- ≡ “Priority Game generator” is under preparation
  - should be ready in 1-2 months
  - afterwards it is possible to be reformulated to your own problem
- ≡ Give feedback, report the problems and express your ideas of new features for Peter

# Who will apply water level and flow analysis tools?



Case studies	Water level tool (REGCEL)	Flow tool (DHRAM)
Lithuania	No	Yes (Nemunas river)
Poland	Yes	Yes
Germany	No	No
Denmark	No	Yes
Finland	Yes (Oulujoki)	Yes (Oulujoki)

# How to continue with water level and flow analysis tools?

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- ≡ Define the problem you want to examine by the tools
- ≡ Discuss with SYKE researchers
  - some reformulations of models might be necessary
- ≡ Seek the needed daily water level and/or flow data
- ≡ Just do the application!
  - SYKE offers user support by e-mail and by personal assistance
- ≡ Give feedback, report the problems and express your ideas of new features for model developers



## Final conclusions

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- ≡ tools and examples of using them will be available in Watersketch toolbox late 2006
  - user instructions are essential!!!!
- ≡ different ways how to continue tool applying
  - new wide training sessions (advanced training)
  - smaller group meetings
  - one-to-one meetings
  - assistance/user support by e-mail or personally

**HAVE TO BE AGREED!**

## 6. Organising the feedback workshop

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- ≡ main goal is to gather feedback from real users in order to develop the toolbox more user-friendly
- ≡ to be organised in Klaipeda (Lithuania) in November
- ≡ suggested dates 30 Oct – 1 Nov 2006
- ≡ provisional agenda
  - to be discussed

## 7. Dissemination of toolbox

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≡ To be discussed

- How?
- Where?
- When?
- Who?

# Tool testing – producing example reports

	Detailed report	Supplementary report
RLGIS	Oulujoki	Minija Limfjorden
WebHipre	Jeziorsko Limfjorden Minija	Finland
Public Hearing Database	Limfjorden	Finland
Priority Game	Limfjorden	
REGCEL	Jeziorsko	Finland
DHRAM	Finland	Jeziorsko Limfjorden

# Tool testing – timetable for training events

(very draft)

	Where	When	Who are coming
I RLGIS			Finland Minija
II RLGIS			Finland Limfjorden
I WebHipre REGCEL + DHRAM			Finland Limfjorden Elbe
II WebHipre REGCEL + DHRAM			Finland Jeziorsko Minija
Public Hearing Database + Priority Game			Finland Limfjorden Elbe