



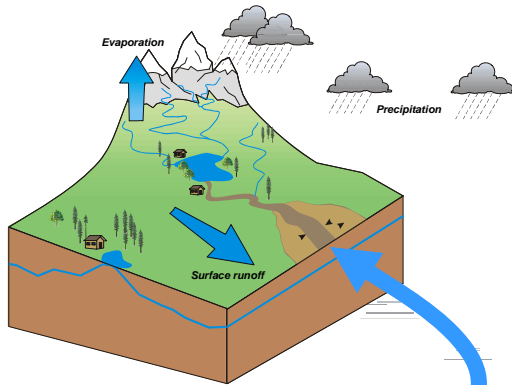
# Bringing the OpenMI to life

1st Workshop  
Aquafin  
18<sup>th</sup> – 19<sup>th</sup> April 2007

Roger Moore and Isabella Tindall  
Centre for Ecology and Hydrology  
Wallingford  
UK

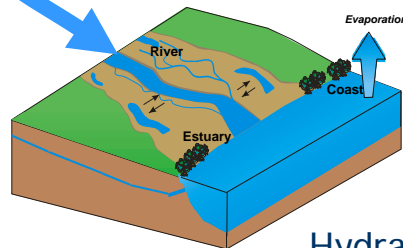
# What is the OpenMI?

- An interface standard for:
  - run time data exchange between models, databases & tools
- Whose purpose is to:
  - improve ability to model complex scenarios

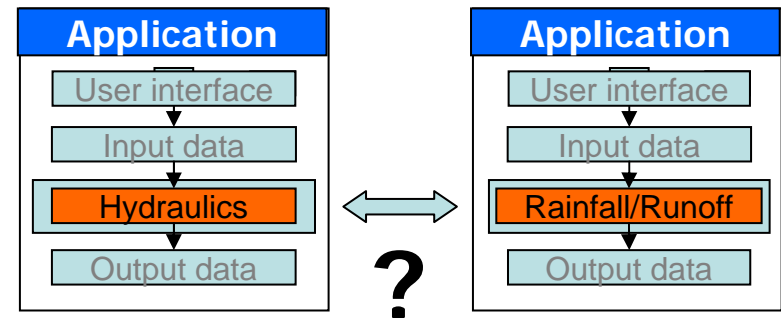


Rainfall runoff model

How ?



Hydraulic model





# Bringing the OpenMI to LIFE

- Objectives

- Transform the Open Modelling Interface and Environment from a **research output** to an **operational supported standard**
  - Build capacity
  - Demonstrate and evaluate
    - The **use of the OpenMI in integrated water management/modelling**
      - » The Scheldt (Belgium)
      - » The Pinios (Greece)
    - The **support organisation**
  - Disseminate information



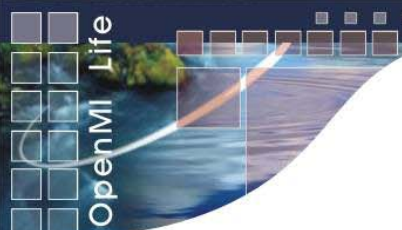


# Workshop objectives

- To review progress
- To provide the opportunity for discussion on:
  - Technical issues
  - The running of the project

In order to provide feed back to the Steering Committee
- To look forward and outwards – to plan for success
- To provide the opportunity for project members to meet socially

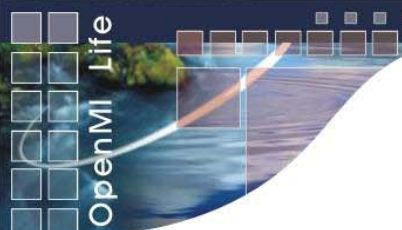




# Programme – 18th April 2007

Time	Item
<b>9.00 – 9.30</b>	<b>Coffee</b>
9.30 - 9.45	Welcome and Introduction <b>Urban Policy (Urban Waste Water Treatment Directive)</b>
9.45 - 10.15	Scheldt Use Case A – Flood Risks from Sewer Discharges on a River <b>Flood Policy (Flood Directive)</b>
10.15 - 10.45	Scheldt Use Case B – Interactions between downstream and upstream river flow regulations
<b>10.45 - 11.15</b>	<b>Coffee</b> <b>Flood Policy (Flood Directive) (continued)</b>
11.15 - 11.45	Pinios Use Case B – Impact of climate change scenarios on the reliability of building reservoir
11.45 - 12.15	Scheldt Use Case D – Tides and upstream flood risk
12.15 - 12.45	Web demonstration
<b>12.45 - 14.00</b>	<b>Lunch</b>





# Programme – 18th April 2007



<b>Time</b>	<b>Item</b>
	<b>Water Policy (Water Framework Directive)</b>
14.00 - 14.30	Pinios Use Case A – The effect of advection – dispersion on sewage effluent discharge
14.30 - 15.00	Scheldt Use Case C – The effect of flow regulation on water quality and water quality impacts during flooding
15.00 - 15.30	Pinios Use Case C – The restoration of the Lake Karla wetlands
<b>15.30 – 15:15</b>	<b>Tea</b>
15:15 – 16:30	Discussion
<b>19.30 ??</b>	<b>Dinner</b>





# Programme – 19th April 2007



## Time

## Item

Report on OpenMI Association activities

9.30 – 9.45

Progress with setting up the OpenMI Association

9.45 - 10.15

Technical Committee – support of version 1.n and the development of version 2.0

10.15 - 10.45

Dissemination Committee – Objectives, deliverables, strategy and upcoming events.

**10.45 - 11.15**

**Coffee**

11. 15 - 11.45

Discussion

11.45 - 12.00

Wrap up and close

**12.00 - 13.00**

**Lunch**





# Discussion periods

- **Objectives**
  - to provide an opportunity for everyone in the project to provide feedback to the Steering Committee on:
    - progress
    - technical issues
    - administrative issues
- that have arisen so far or are anticipated later in the project.

# Integrated Modelling/Decision making



- What do the competent authorities want out of integrated modelling?
- How do the competent authorities envision that integration? (conceptually)
- What are the barriers to integrated modelling - disciplinary, organisational, technical (it is NOT the intention to focus on the technical issues in this discussion)
- Does integrated modelling help in removing these barriers - especially the disciplinary and organisational barriers?
- What would make competent authorities consider that integrated modelling is an approach they should adopt - what are the success criteria?
- How can success be demonstrated?
- If integrated modelling looks likely to be successful now or in the foreseeable future, do we need to extend the OpenMI-LIFE collaboration, and if yes, how do we maintain/extend the OpenMI-LIFE collaboration and raise the necessary funding?
- Should we be considering a major European workshop on 'Integrated Modelling for Integrated Environmental Management' which we could mount in collaboration with the EC?

# Project related topics

- **To review the training**
  - Did it provide the knowledge required?
  - Could it be improved?
- **To review the use case planning:**
  - Will the use cases achieve the objective of allowing us to evaluate?
    - integrated management
    - integrated modelling
    - the OpenMI?
  - Do you have a clear view of the way ahead?
  - Was the template helpful?
- **Overall, have we achieved our 1st period objectives?**
  - Training
  - Use cases defined
  - Models migrated
  - Collaboration agreement
- **Is everything in place for the next period?**
  - Do you have clear plans?
  - Are the resources in place?
  - Models, people, equipment, etc.
  - Are there any unresolved problems?
- **Is project communication working?**
  - Do you want to hear more/less from Roger/Isabella/your task leader?
  - How can we improve communication – is the phone a better means of communication than email when there is a problem?
  - Are meetings well run?
    - Clear objectives
    - Appropriate agenda
    - Well run meeting
    - Minutes at an appropriate level of detail
  - What are your first impressions of the website?
- **Do you feel supported?**
  - Is routing your technical queries through the OpenMI Association working?
  - Are you getting the help you need from Roger/Isabella/your task leader



# Outcomes

- Identified technical issues to be addressed
- Identified administrative issues
- Started planning for for the phase beyond OpenMI-LIFE

