



## NERC Hyporheic Network & Groundwater Modellers' Forum

<http://www.hyporheic.net>

<http://www.groundwateruk.org/html/modelling/home.htm>

### Quantifying Aquifer ↔ River Fluxes: Modelling for Process and Management

*Workshop programme 12-13th March, 2008*

#### Aims and outcomes

1. to review the current state-of-the-science
2. to review the current state-of-the-industry
3. to identify the needs of researchers and practitioners
4. to prepare a position paper and a plan for future activities

#### Discussion topics

Please consider the following issues while listening to the talks, and perhaps even make notes! Each group will be asked to consider all the questions, but to be the primary reporter for one topic in each session.

#### *Day 1 (Processes).*

- a. What processes can we presently model? (Group 1)
- b. Are there other mechanisms to be represented? (Group 2)
- c. What should flow and solute transport studies be providing? (Group 3)
- d. What implications do the answers to b) and c) have for future process modelling? (Group 4)

#### *Day 1 (Management).*

- e. What processes can we presently model at management scale? (Group 3)
- f. What other processes should be in management models? (Group 4)
- g. How well can current models be used in practice? (Group 1)
- h. What implications do the answers to b) and c) have for future development of management tools? (Group 2)

#### *Day 2 (HNet working groups).*

In the final plenary, we will discuss what the Flow and Modelling working groups should do next:

- i. What activities would you like to see organised?
- j. Are there research topics to be followed up with proposals?

## Workshop programme 12-13th March, 2008

### Day 1 Processes [Chaired by John Tellam]

10:00	Introduction and domestic arrangements
10:15	Keynote: Marios Sophocleous
11:15	Coffee
11:30	Jan Fleckenstein
11:45	John Keery
12:00	Paul Hulme
12:15	JP Renaud
12:30	Damian Lawler
12:45	Lunch (plus posters)
13:45	Stefan Krause
14:00	Nick Reiss
14:15	Emma Farren
14:30	Catherine Gandy
14:45	Anton Bancelj
15:00	Introduction to discussion groups
15:05	Discussion groups
16:00	Tea. (Reporters to prepare for plenary!)
16:30	Plenary, chaired by Adrian Butler: summary of groups
17:15	Close
17:30	Management Group meeting (members only)
19:30	Meet for dinner (own expense)

### Day 2 Management [Chaired by David Lerner]

9:00	Introduction
9:05	Keynote: Jonathan Smith
9:45	Jan Fleckenstein
10:00	Martin Shepley
10:15	Alan Herbert
10:30	Paul Ellis
10:45	Coffee
11:00	Introduction to discussion groups
11:05	Discussion groups
12:30	Lunch (Reporters to prepare for plenary!)
13:30	Plenary, chaired by Jonathan Smith: summary of groups
14:30	Plenary, chaired by Jonathan Smith: where next?
15:00	Close

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