MoMaS Reactive Transport Benchmark
Results proclamation

Four teams presented interesting results concerning the MoMaS Reactive Transport Benchmark:

1 - A global approach for reactive transport: application to the benchmark easy test case of MoMaS, by C. de Dieuleveult and J. Erhel (INRIA).

2 - Computation of the MoMaS Benchmark Problem with a Parallel Global-Implicit 2-D Solver based on a Reformulation of the PDE-ODE System, by J. Hoffmann, S. Kraütle and P. Knabner (University of Erlangen-Nürnberg).

3- HYTEC results of the MoMas reactive transport benchmark, by V. Lagneau and J. van der Lee (Mines ParisTech).

4 - MoMaS benchmark problems: MIN3P implementation. K. U. Mayer and K. T. B MacQuarrie (University of New Brunswick and University of British Columbia).

The Scientific Committee was aware of the originality of some of the methods presented and really appreciated the high quality of all the contributions.

Two contributions are real standouts; for both the importance of the work done and for the originality of the method they developed:

The work presented by **K.U. Mayer and K.T.B MacQuarries** is the most comprehensive of all the contributions; A solution is provided for all the benchmark three levels and for both the 1D and the 2D flow.

The work presented by **J. Hoffmann, S. Kraütle and P. Knabner** is the most innovative. The reformulation method, proposed by this team, first gives very accurate solutions and reduces significantly the computing time.

Considering the above remarks, the Scientific Committee has decided to award the prizes as follows:

K. U. Mayer and K. T. B MacQuarrie:	3 000 €
J. Hoffmann, S. Krautle, P. Knabner:	3 000 €
V. Lagneau, J. van der Lee:	2 000 €
C. de Dieuleveult, J. Erhel:	2 000 €

The Committee sincerely thanks all the participants for the high quality of their work and the time they dedicated to solving this benchmark.

The scientific committee

A. Bourgeat, J. Carrayrou, A. Ern, M. Kern, P, N. Leterrier