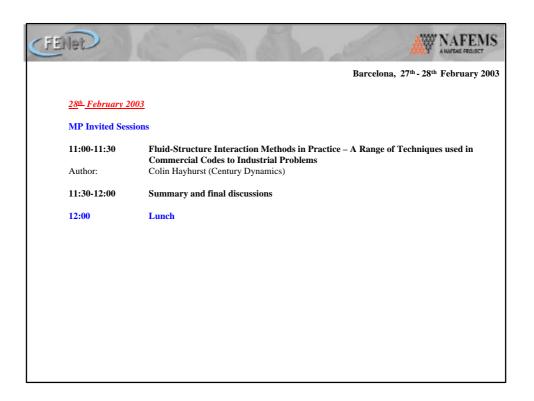
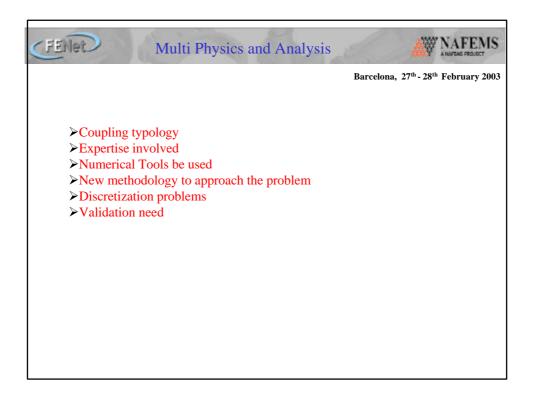


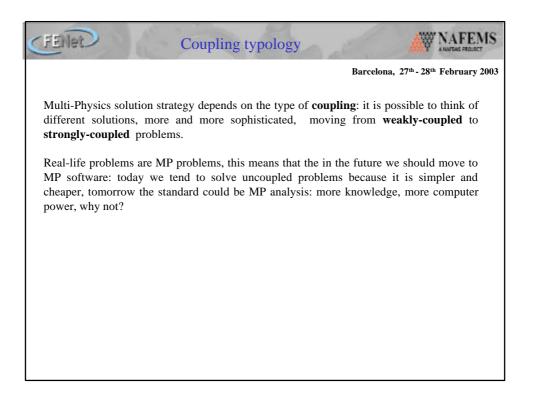
| let                               | NAFI   |
|-----------------------------------|--|
|                                   | Barcelona, 27 <sup>th</sup> -28 <sup>th</sup> Februar  |
| Agenda                            |  |
| Multi-Phys                        | sics and Analysis: Fluid-Structure Interaction Workshop  |
| <u>27<sup>th</sup> February 2</u> | 003  |
| <u>14:00-14:10</u>                | Workshop Introduction and Objectives   |
| Chairs:                           | Dr. M. Chiumenti and Dr. E. Oñate (CIMNE, UPC)   |
| MP Invited Ses                    | sions  |
| 14:10-14:40                       | FE-particles Method for Fluid-Structure Interaction Problems   |
| Authors:                          | Dr. E. Oñate and Dr. S. Idelsohn (CIMNE, ES)   |
|                                   | Structural Analysis of Sails   |
| 14:40-15:10                       | C. Valdas and D. Danis (Universidad Dalitération de Catalaño, UDC, EC)   |
| 14:40-15:10<br>Authors:           | G. Valdes and R. Rossi (Universidad Politécnica de Cataluña, UPC, ES)  |
|                                   | G. Valdes and R. Rossi (Universidad Politecnica de Cataluna, UPC, ES)<br>Advances in FEM for Ships Hydrodynamics |
| Authors:                          |  |

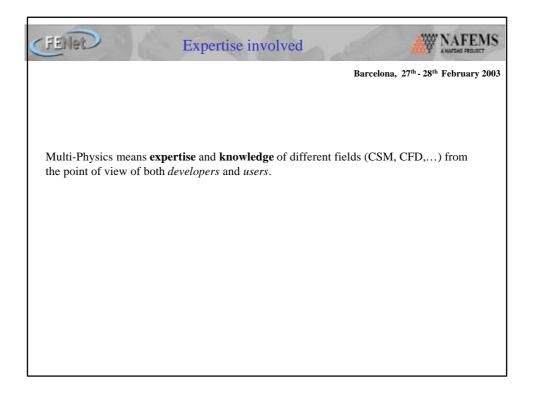
| FENet                             | NAFEMS  |
|-----------------------------------|---|
|                                   | Barcelona, 27 <sup>th</sup> - 28 <sup>th</sup> February 2003  |
| <u>27<sup>th</sup> February 2</u> | <u>003</u>  |
| MP Invited Ses                    | sions   |
| <b>16:10-16:40</b><br>Author:     | Some implementation aspects of fluid-structure interaction problems<br>Dr. R. Codina (CIMNE, ES)          |
| <b>16:40-17:10</b> Author:        | <b>The CD-adapco Group approaches to analysis of FSI problems.</b><br>Riaz Sanatian (CD-Adapco Group, UK) |
| <b>17:10-17:40</b> Author:        | Coupled Fluid-Structure Acoustics Using PERMAS<br>Reinhard Helfrich (INTES GmbH, D)                       |
| 20:30                             | FENET Dinner  |
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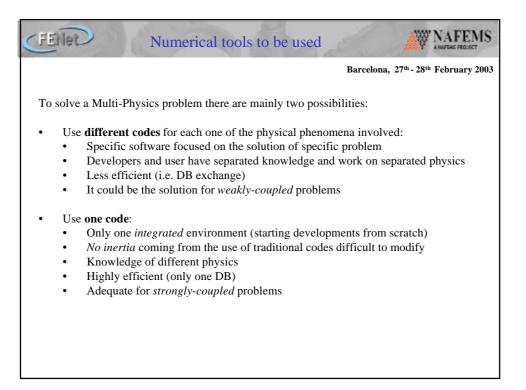
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|                                   | Barcelona, 27 <sup>th</sup> - 28 <sup>th</sup> February  |
| Agenda                            |  |
| Multi-Phys                        | sics and Analysis: Fluid-Structure Interaction Workshop  |
| <u>28<sup>th</sup> February 2</u> | <u>2003</u>  |
| <b>08:30-09:00</b><br>Chairs:     | Welcome<br>Dr. M. Chiumenti and Dr. E. Oñate (CIMNE, UPC)  |
| MP Invited Ses                    | sions  |
| <b>09:00-09:30</b><br>Author:     | ANSYS Multiphysics Fluid<br>David Ellis (IDAC Ltd)   |
| <b>09:30-10:00</b><br>Author:     | Coupling strategies in fluid-structure interaction problems using FEM & BEM<br>Dr. Stéphane Paquay (Open Engineering SA) |
|                                   | Preliminary Investigations of Concorde Fuel Tank Impact  |
| <b>10:00-10:30</b><br>Author:     | Dr. Moji Moatamedi (The University of Salford)   |











| (FEIler) New methodology  | NAFEMS  |
|---|---|
| Barcelona,  | 27 <sup>th</sup> - 28 <sup>th</sup> February 2003 |
| Recent challenges to solve MP problems: extension of FE method to <i>FE-p</i> . This means a <b>new methodology</b> to solve in an <i>alternative</i> manner co involving:  |   |
| <ul> <li>Fluid analysis in a lagrangian formulation</li> <li>Free-surface</li> <li>Waves</li> <li>turbulence</li> <li>Mixture of different fluids</li> <li>Fluid / Solid interaction</li> <li>Contact analysis</li> </ul> |   |

