

# Oil spill containment boom Numerical methods and softwares for coastal protection

**Thursday-Friday 11 and 12 December 2008**  
Venue Council room EIGSI-La Rochelle, France

## PROGRAM

### Day 1 - half-day n°1 - Thursday morning

**9.00 – 9.30** Welcome, Coffee

**9.30 – 9.45** Workshop presentation, objectives, approach and method of work

**9.45 - 10.00** « Round table », participants : scientists, industries, authorities (CEDRE confirmed)

**10.00 - 12.00** Real problems in Numerical modelling and dissemination of best practices :

► **Clément Buvat, LNHE EDF R&D Chatou F**, Laboratoire National Hydraulique et Environnement,  
« Modélisation numérique d'un barrage anti-hydrocarbure par la méthode « smoothed particule Hydrodynamics » ; « Numerical modelling of oil boom using the SPH method » ~ 15' + 5' (questions)

► **Abdallah El Hamidi**, Laboratoire de mathématiques, Université de La Rochelle,  
« Modélisation analytique d'une barrière végétale pour absorber des pollutions d'origine agricole le long d'un cours d'eau » ; « Analytical model for vegetable barrier absorbing agricultural pollution in the vicinity of river » ~ 15' + 5' (questions)

► **Daniel Priour, IFREMER Centre de Brest**,  
« Méthode numérique par éléments finis pour la capture d'espèces par chaluts et filets » ;  
« Numerical method based on finite-element for species capture by trawls and nets »  
~ 15' + 5' (questions)

► **Frédéric Muttin, EIGSI La Rochelle**,  
« Modèles numériques emboîtés 1D et 3D pour barrage anti-pollution ; « Imbedded 1D and 3D numerical models for oil-spill boom modelling. » ~ 15' + 5' (questions)

**12.00 – 12.15** Working groups composition, topics definition

**12.15 – 14.00** Lunch, buffet at EIGSI, council neighbouring room (>dinner inscription)

## ***Day 1 half-day n°2 Thursday afternoon***

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**14.00-16.00** > Possible working groups: on going practices in numerical methods for the pollution behaviour and response, numerical software dedicated to the coastal zone protection.  
(2 rooms with in each a moderator)

> Sisouvanh Sonethavy, Serge Nouchi, EIGSI

« Démonstration pour non-spécialiste en méthodes numériques de logiciels de calcul emboîtés : FORBAR et une méthode d'éléments finis pour barrage antipollution » ; « Demonstration dedicated to non-specialist in numerical methods on numerical softwares embedded in FORBAR with a finite-element method for oil booms ».

~ 20 '+ 10' (questions)

**16.00 -18.00** Industrial presentation « public audience » - Networking between participants, « private audience ».(both with EIGSI professoral moderator) (classrooms available)

**20.00** Dinner « Chez André » La Rochelle Old Harbor (inscription in the morning)

## ***Day 2 half-day n°3 Friday morning***

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**9.00 - 9.15** Coffee

**9.15 – 9.45** Working groups deliverable presentation, synthesis by groups by the two moderators

**9.45-10.00** Presentation of the working group n°1 result, colleges: scientists, industries, authorities

**10.00 - 10.30** Discussion on the practices in numerical methods for the pollution behaviour and response from the working group n°1, synthesis, scientific and industrial responses

**10.30 - 10.45** Coffee break

**10.45 -11.30** Idem presentation and discussion of the working group n°2 , example: Numerical software dedicated to the coastal zone protection

**11.30 – 12.00** Workshop conclusions

**12.00 – 14.00** Lunch, buffet at EIGSI, council neighbouring room

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### ***END WORKSHOP***

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Send this inscription by fax +33 5 46 45 80 10 to Frédéric Muttin.

Name : ..... Surname : .....  
Company : ..... Function : .....  
Address : .....  
e-mail : ..... Phone : .....

Flash presentation title or poster (if applicable) : .....

The inscription is FREE of charge (except the dinner ~30 € ). Hotel list available. Class room available for networking (day 1 >16h). The industrial presentations must be "not confidential" (day 1 >16h), if it is the case, direct contact can be taken. EIGSI is a non smoking area. PC, WIFI, internet, phone access are disponible in the council room. Powerpoint, CD, DVD, video tapes can be used. Workshop synthesis available on CD after.

For further information : f.muttin@eigsi.fr - +33 5 46 45 80 19 - [www.eigsi.fr](http://www.eigsi.fr)