



WG 122 Mechanisms of Sediment Retention in Estuaries
Third Workshop Meeting Agenda
CSDMS Facility, Boulder CO, USA

Sunday Sept 23, 2007

09:00 - 09:15 Welcome, CSDMS, meeting logistics & workshop introduction: James Syvitski

09:15 - 09:45 WG 122 Overview: Gerardo Perillo

Key Issue: Sediment Input to Estuaries under human influence

09:45 - 10:15 Geology, Geography, and Humans Battle for Dominance over the Delivery of Fluvial Sediment to the Coastal Ocean: James Syvitski

10:15 - 10:30 Break

10:30 – 11:45 Group discussion: Facilitator John Milliman

11:45 - 12:00 Discussion Summary: Rapporteur Maria Snoussi

12:00 - 13:00 Lunch

Key Issue: Morphodynamics and Evolution of Estuaries

13:00 – 13:30 Morphodynamics and evolution of estuaries in response to climatic and Anthropogenic change. Yoshi Saito

13:30 - 14:00 Sediment processes in tidal river basins and wetlands under human alteration: Pedro Depetris

14:00 - 15:00 Group discussion: Facilitator Eric Wolanski

15:00 - 15:15 Break

15:15 - 15:30 Discussion Summary: Rapporteur Marek Zajaczkowski

Key Issue: Sediment-biological interactions

15:30 - 16:00 Biological factors responsible for sediment trapping in estuaries: Morten Pejrup

16:00 - 17:15 Group discussion: Facilitator Bob Stallard

17:15 – 17:30 Discussion Summary: Rapporteur Shu Gao

Group Dinner



Monday Sept 24

Key Issue: Estuarine Hydraulics

09:00 - 09:30 The impact of tidal pumping, turbidity maxima, & density gradients on sediment retention in estuaries Gerardo Perillo

09:30 – 10:00 Group discussion: Facilitator Morten Pejrup

10:00 - 10:15 Break

10:15 - 11:30 Group discussion: (cont.)

11:30 - 11:45 Discussion Summary: Rapporteur Eric Wolanski

11:45 - 12:00 Pick up box lunches and go to RL3 for Keynote talk

Keynote Talk

12:00 - 13:00 Climate impacts on discharge: An overview: John Milliman

Key Issue: Relative Sea Level Change

13:15 - 14:30 Short lead in presentation by Syvitski & Saito followed by a general discussion on the role of near term sea level change on sediment retention

Facilitator: James Syvitski

14:30 – 14: 45 Rapporteur: Yoshi Saito

14: 45 – 15:00 Break

Key Issue: The Physics & Models of Sediment Budgets in Estuaries

15:00 – 15:30 Capabilities of models in assessing sediment accumulation, transport, and erosion in estuaries on different time and space: Carl Amos

15:30 - 17:15 Group discussion: Facilitator: Shu Gao

17:15 – 17:30 Discussion Summary: Rapporteur: Scott Peckham

Group Dinner



Tuesday Sept. 25

Key Issues: Socioeconomic Impact of changes in Estuarine Sedimentation

09:00 - 09:30 Socioeconomic impact of anthropogenic change in estuarine sedimentation: Eric Wolanski

09:30 – 10:30 Group discussion: Facilitator: Amos

10:30 – 10:45 Break

10:45 – 11:00 Group report: Depetris

11:00 - 12:00 Final details and report assignments: Perillo & Syvitski

12:00 – 13:00 Lunch

13:00 Workshop complete (unless extended with other working group member talks)

Everyone on their own for Dinner