

# SEDI TRANS

## SEDITRANS 2013-2017: Sediment Transport in Fluvial, Estuarine and Coastal Environment

### CLOSING CONFERENCE

20 - 21 July 2017

### CONFERENCE AND CULTURAL CENTER OF THE UNIVERSITY OF PATRAS

Organized by the HYDRAULIC ENGINEERING LABORATORY,  
DEPARTMENT OF CIVIL ENGINEERING, UNIVERSITY OF PATRAS

#### Beneficiaries



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## THURSDAY 20 JULY 2017

09:15-09:30	Athanassios Dimas	SEDIRANS overview
09:30-10:10	Kenneth Kiger	Multi-camera PIV of two-phase oscillating sheet flow
10:10-10:30	Federica Antico	Definition of the parameters of the log-law and kinematics of sediments at entrainment in flows over granular mobile bed
10:30-10:50	Efstratios Fonias	Numerical simulation of particle-laden turbulent flows
10:50-11:10		<b>COFFEE BREAK</b>
11:10-11:30	Alessandro Leonardi	Grain-resolved simulations of the interface between free flow and sediment bed
11:30-11:50	Jessica Zordan	Entrainment and deposition of experimental gravity currents over an erodible bed
11:50-12:10	Foteini Kyrousi	Numerical simulations of lock-exchange gravity currents flowing over a mobile bed
12:10-12:30	Carmelo Juez	Influence of bank macro-roughness on the transport of suspended sediments

12:30-14:00 **LUNCH**

14:00-14:20	Marina Launay	Improving sediment modelling in the framework of river and reservoir management
14:20-14:40	Miltiadis Gymnopoulos	Emergent cylinders subjected to shear flow
14:40-15:00	Davide Monsorno	Modeling compaction in granular suspensions
15:00-15:20	Iason Chalmoukis	Large-eddy simulation of turbulent oscillatory flow over 3-D vortex ripples
15:30		<b>SUPERVISORY BOARD MEETING</b>

## FRIDAY 21 JULY 2017

09:10-09:50	Ramon Batalla	Sediment transport and associated fluvial processes in a large regulated river (the Ebro)
09:50-10:10	Charalambos Frantzis	Efficient methodology for the simulation of incompressible two-fluid flows, appropriate for the IB method
10:10-10:30	Guillermo Oyarzun	Scalability analysis of coastal flows applications
10:30-10:50	Teresa Paone	The effect of suspended sediment load on flow field within idealized vegetation
10:50-11:10		<b>COFFEE BREAK</b>
11:10-11:30	Maria-Angeliki Sfouni-Grigoriadou	The importance of soil characterization in modelling sediment density flows and implications in assessing infrastructure interaction
11:30-11:50	Ilaria Fent	Dam break over mobile bed: pressure and bed shear stress analysis
11:50-12:10	Mahmoud Jourabian	Effect of lateral and bottom macro-roughness on suspended sediment transport in turbulent open channel flow
12:10-12:30	Georgios Leftheriotis	Large-eddy simulation of oscillatory flow, sediment transport and morphodynamics over ripples
12:30-13:00	Network Scientists & Researchers	Closure remarks

13:00-14:30		<b>LUNCH</b>
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15:00		Laboratory visit
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