WGSG – 2010 - Final Programme

1st day

9.30   Welcomes
9.45   Introduction to the WGSG workshop (G.J. Weltje)
10.00  Keynote (G.G. Zuffa) - Sediment Generation and Dispersal in Recent and Ancient Source-Basin Systems
11.15  Coffe break
11.45  Keynote (S. Critelli) - The effects of source lithology, transport, deposition and sampling scale on the composition of sand
12.30  Basu - Quartz cathodoluminescence color and internal texture, and, zircon geochronology in the context of Quantitative Provenance Analysis
13.00  Lunch
14.30  Arribas - First step in sediment generation: source rock productivity: methods and examples from the Iberian plate
15.00  Scarciglia - Weathering and pedogenesis as sources of sediment generation
15.30  Le Pera - Modern sand petrofacies of the Tyrrhenian coast of Calabria, Italy: provenance and sediment dispersal
16.00  von Eynatten - Sediment generation from granitoids in a modern glacial setting: 1. geochemistry versus grain size
16.30  Coffe Break
17.00  Caracciolo - Sediment generation from granitoids in a modern glacial setting: 2. petrography versus grainsize
19.30  Party in the geological garden

2nd day

9.00   Keynote (H. von Eynatten) Geochemical and isotopic tools for deciphering sediment generation and provenance: Review and perspectives
9.45   Amorosi - The influence of sediment provenance and grain size on heavy-metal distribution: an example from southern Po Plain
10.30  Garcia - Some archetypal patterns of geochemical variability in siliciclastic sequences, from bed scale to basin scale
10.50  Dinis - Provenance discrimination of a Plio-Pleistocene alluvial system at the contact Iberian Massif - Atlantic margin (W Portugal)
11.10  Coffe Break
11.40  Poster Session
12.10 Keynote (I. Dunkl) - The role of low-temperature thermochronology in the assessment of the sediment factory

13.00 Lunch

15.00 Mikes - Double dating of detrital zircon by fission-track and LA–ICPMS U/Pb analysis: new perspectives in decomposing mixed provenance signatures

15.30 Sevastjanova: Heavy Mineral Preservation in Tropical Climate: a Case Study from the Malay Peninsula

16.00 coffee break

16.30 Keynote (E. Garzanti) Mineralogical and chemical variability of fluvial sediments (bedload and suspended load, Ganga-Brahmaputra system)

17.30 Andò - Mineralogy of silt

3rd day

9.00 Keynote (G.J. Weltje) - Quantitative models of sediment generation: design and requirements

9.45 Bloemsma - Characterisation of sediments by linear combinations of grain-size dependent source compositions

10.05 Keynote (R. Tolosana-Delgado) - Use and misuse of statistics: extracting the best we can from data sets

10.50 Coffee Break

11.20 Vanlierde - Genesis of ferric authigenic sediment and modelling its contributions to the total suspended sediment load in the Kleine Nete (Belgium)

11.40 Van Meel - Discriminating tributaries in the River Demer drainage basin, Belgium, using chemical, physical and mineralogical properties

12.00 Keynote (R. Valloni) - The role of sediment littoral transport and dispersal on sediment generation models

12.30 Valloni - The concepts of provenance and native sediment applied to coastal conservation and artificial beach nourishment

13.00 ACKNOWLEDGEMENTS & Lunch

20.00 Workshop Dinner at Calabria Bella Restaurant