Lower Mekong Delta Coastal Zone

TECHNICAL WORKSHOP

12-14 APRIL 2017

Location:

SIWRR (**Southern Institute of Water Resources Research)**

658 Vo Van Kiet Str., Ward 1,

Dist. 5, Ho Chi Minh City

Note:

* Monday-Tuesday April 10-11 2017: field trips to study sites can be organized for interested Workshop participants
* Wednesday-Friday April 12-14 2017: Workshop at SIWRR
* Saturday April 15: Visit to the SIWRR lab (physical model) in Binh Duong province

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|  | **Preliminary PROGRAM** |  |
| **APRIL 12** |  | **Coordinators** |
|  | **Opening: Problem posing, tasks and coordination**  ***Dinh Cong San*** and ***Patrick Marchesiello*** |  |
|  | **WP1 - Data Collection & in situ measurements**  ***Dinh Cong San***: report on field surveys: Oct 2016 and Feb-Mar 2017 | Nguyen Cong Thanh  Nguyen Tuan Long |
|  | **WP3 – In situ Experiment Study on LMD Erosion process**  ***Nicolas Gratiot***: report and overview from previous surveys (hydrology and sediments)  ***Hubert Loisel***: suspended particulate matter from satellite remote sensing  ***Vo Khac Tri***: Installation of video camera systems for continuous shoreline survey | Rafael Almar  Vo Khac Tri |
| **APRIL 13** |  |  |
|  | **WP6 – Shoreline protection measures**  ***Dinh Cong San***: Current status of shoreline protection in Vietnam and particularly in LMDCZ  ***Holger Schuttrumpf***: Insights into shoreline protection  ***Thieu Quang Tuan***: physical model presentation  ***Nicolas Gratiot*** : The mangrove coast under human pressure  **WP6 - Guests**  ***Edward Anthony***: LMDCZ geomorphology  ***Cyril Marchand***:Mangroves of the Mekong delta | Dano Roelvink  Dinh Cong San |
|  | **WP4 – Wave and Coastal Currents Computations**  ***Michel Benoit***: general presentation, model capabilities and WP progress  ***Huynh Cong Hoai***: Regional wave climate using Tomawac and MIKE 21 SW  ***Nguyen Thong***: Telemac for Ca Mau  ***Nguyen Duy Khang***: Telemac and MIKE 21 for Go Cong  ***(Nguyen Binh Duong***: Telemac for Go Cong) | Michel Benoit  Tang Duc Thang |
|  | **WP5 – Sediment transport and Morphological Change Modelling**  ***Sylvain Guillou***: General presentation, model capabilities and WP progress  ***Nguyen Thong*** : Telemac-2D for Ca Mau  ***Nguyen Duy Khang***: Telemac and Mike 21 for Go Cong  ***(Nguyen Binh Duong***: Telemac-2D for Go Cong) | Sylvain Guillou Nguyen Binh Duong |
| **APRIL 14** |  |  |
|  | **AFD, French and EU delegations**  Problem posing; Project coordination; Intermediary results; Expected results  ***Dinh Cong San*** and ***Patrick Marchesiello*** | 8-9 am |
|  | **WP2 - 3D modelling for sediment transport**  ***Patrick Marchesiello***: expected outcome from 3D modeling and ROMS progress  ***Nguyen Duy Khang***: MIKE3D  ***Vu Duy Vinh***: Delft3D | Patrick Marchesiello Nguyen Duy Khang |
|  | **Discussions**  **preparation of VIP workshop in May**  **Follow up of project (September deadline, attainable objectives)** |  |

N**OTE: deadlines for presentations and reports**

The steps are set by the technical workshop of April 12-14 and the “VIP” workshop of May 24-26. In the second workshop to be held in Hoi-An, there will be limited people attending but we need to present preliminary results and propositions for protection measures. The preceding technical Workshop in April will be important to prepare that event and we will need reports on progress starting before the technical workshop and completed after it.

**By April 3**, we need to receive Titles and Abstracts of presentations (1 page with 1 figure) identified in the program sent recently (copy to coordinators of relevant WP). In the same time, we need PPT presentations (at least the main story, which can of course be modified for the workshop). I encourage all participants to send their first results to the coordinators and myself as soon as possible so that we have time to prepare our presentations as well.

**By May 15,** we need to receive reports built upon the previous presentations.

For **modelers**, report type should contain at least (not exhaustive):

1. Model configuration: a table is enough, e.g., for ROMS: <https://docs.google.com/document/d/1gtb7JN7tbGpurx5jnTN0TMl3xFVMjGLI5q25Kh9Csg8/edit#heading=h.y84tkoiaoa4c>
2. Calibration/validation procedure: at least: waves, tides, sediment concentration. Monthly SSC climatology provided by Hubert Loisel have been stored in a netcdf file by Nguyen Nguyet Minh and are available on Google drive: <https://drive.google.com/drive/folders/0B_wxtT2hNdG-UWp4VElTUjNlQlk?usp=sharing>. If needed, Minh can provide this data on a different format on demand.
3. WP4: Hydrodynamics: show at least mean waves and currents for the selected month (January/October 2014; maybe June 2014). For Prof. Hoai, present wave climatology.
4. WP5: sediment transports. Show at least sediment concentration compared with satellite data and available in-situ data; sediment budget in study areas for the selected months.
5. WP6: test of protection measures. Show at least the difference for wave energy and bed evolution between simulations with and without selected protection (e.g. January 2014).

This can be a guide for the workshop presentations as well (obviously) although we don’t expect everyone to have test results on protection measures (WP6) by April, but by May we need to present at least preliminary results.