



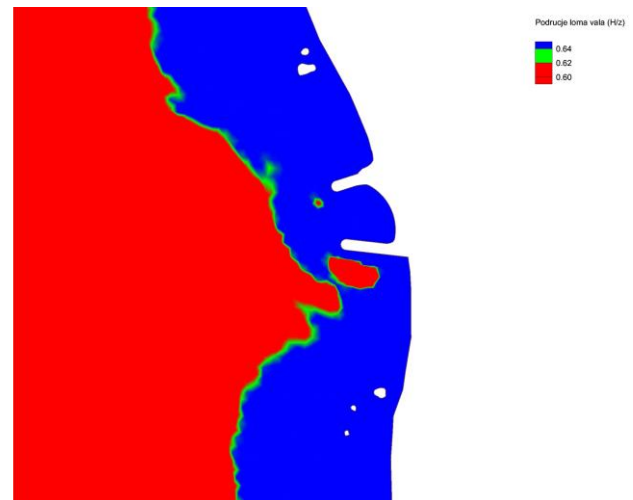
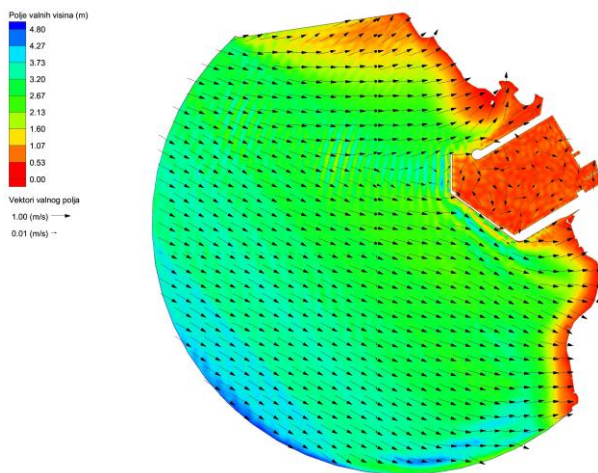
SPLIT SUMMER SCHOOL STSS2022

COURSE: COASTAL ENGINEERING - MODELING WAVE TRANSFORM

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Main topics:

- Wind data sets analysis; statistical stationarity;
- Deep water wind generated wave parameters estimation;
- Input preparation for the wave transform model, setting up and running model,
- Results postprocessing.



Programme structure:

- 5-day course
- Sample data will be provided for practice and for final presentation
- PPT materials available for students;

Important dates:

Course dates: 05/09/2022 – 09/09/2022
Deadline for application: 22/07/2022
Confirmation of the course: 02/08/2022
Payment due by: 22/08/2022

Price of the course: 300 € (tax included)

Programme plan:

Day 1

- Introduction to course content, presentation of student projects tasks, wind generated waves, wind data series analysis 2(h)
- Individual work on project (1h)

Day 2

- Fetch determination, fetch limited and duration limited conditions, determination of deep water waves, long term wave parameters forecast, project wave definition (3h)
- Individual work on project (2h)

Day 3

Programme lecturers:

Ph. D. Veljko Srzić M. Civ. Eng,
Assistant professor at the University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Water resources, Split, Croatia.
Ivan Lovrinović M. Civ. Eng.,
Teaching/research assistant at the University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Hydraulics and Hydromechanics Split, Croatia.

- Input preparation, model set up and running (3h)
- Individual work/exercise (2h)

Day 4

- Model results post processing, results visualization, guidelines for project presentations (3h)
- Individual work/exercise (1h)

Day 5

- Student project presentations (2h)