

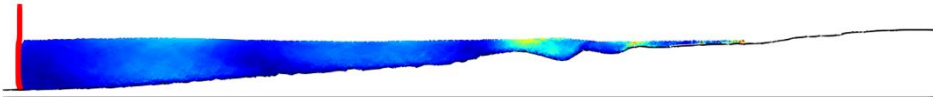

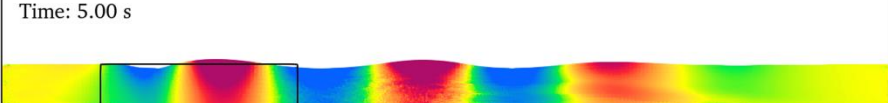
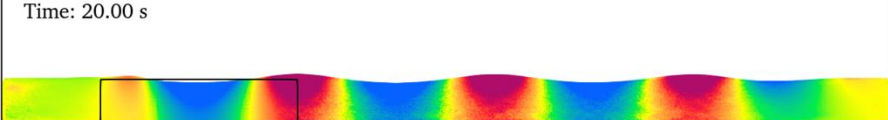
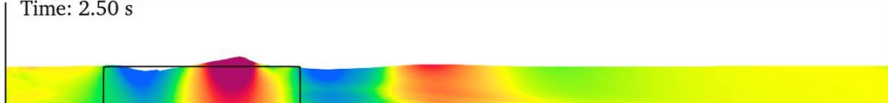
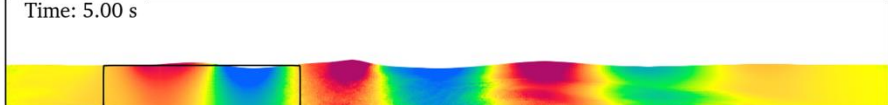
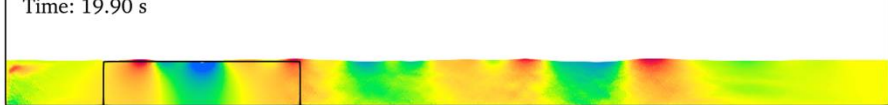
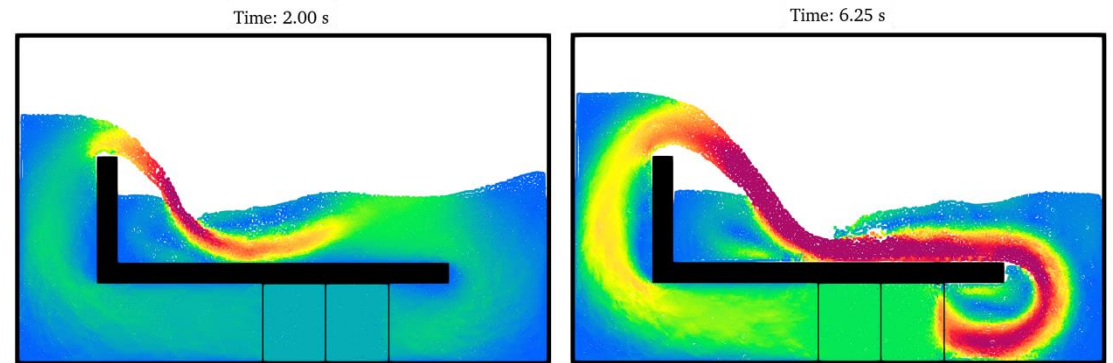


<p>01_ML_CIEM</p> <ul style="list-style-type: none"> 2-D case of regular wave run-up on a beach, validated against physical model tests [Scandura & Foti, 2011]. Coupling with SWASH model by means of multi-layered (ML) piston (one-way offline coupling). Video 	<p>Time: 2.50 s</p>  <p>Time: 5.00 s</p>  <p>Time: 7.89 s</p> 
<p>02_RZ_REGULARWAVES</p> <ul style="list-style-type: none"> 2-D regular waves generated by means of relaxation zone. Video 	<p>Time: 1.50 s</p>  <p>Time: 5.00 s</p>  <p>Time: 20.00 s</p> 
<p>03_RZ_IRREGULARWAVES</p> <ul style="list-style-type: none"> 2-D irregular waves generated by means of relaxation zone. Video 	<p>Time: 2.50 s</p>  <p>Time: 5.00 s</p>  <p>Time: 19.90 s</p> 

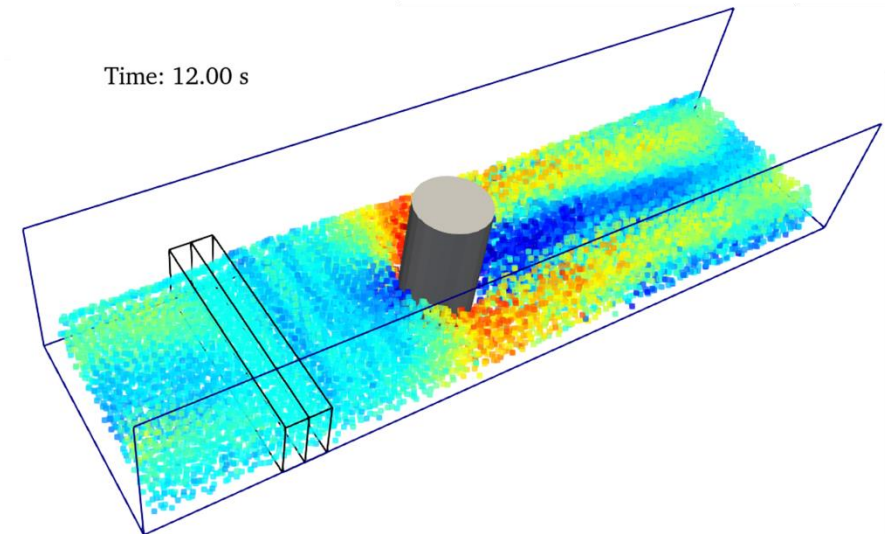
04_RZ_FLOW2D

- 2-D flow (current) generated by means of relaxation zone by applying a uniform velocity profile, variable in time. [Video](#)



05_RZ_FLOWCYLINDER3D

- 3-D flow (current) around a cylinder generated by means of relaxation zone by applying a uniform velocity profile, variable in time. [Video](#)



6_RZ_COUPLING

- 2-D regular waves where the wave orbital velocities are provided by SWASH model and imposed to the SPH fluid using the relaxation zone. [Video](#)

