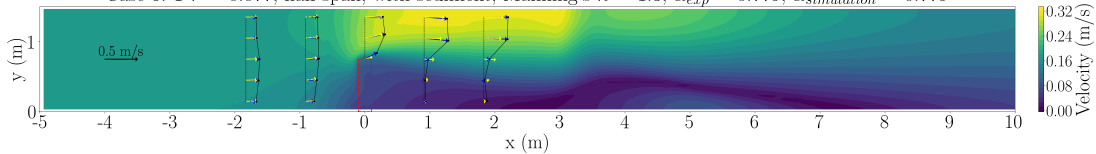
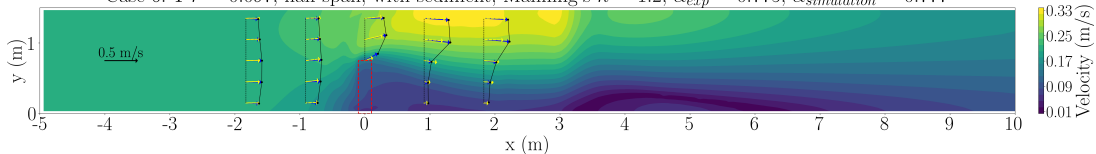


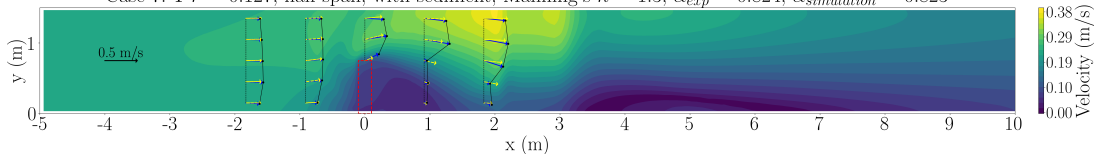
(a)

Case 5:  $Fr = 0.077$ , half-span, with sediment, Manning's  $n = 1.3$ ,  $\alpha_{exp} = 0.779$ ,  $\alpha_{simulation} = 0.779$ 

(b)

Case 6:  $Fr = 0.097$ , half-span, with sediment, Manning's  $n = 1.2$ ,  $\alpha_{exp} = 0.775$ ,  $\alpha_{simulation} = 0.777$ 

(c)

Case 7:  $Fr = 0.127$ , half-span, with sediment, Manning's  $n = 1.3$ ,  $\alpha_{exp} = 0.824$ ,  $\alpha_{simulation} = 0.823$ 

(d)

Case 8:  $Fr = 0.153$ , half-span, with sediment, Manning's  $n = 1.6$ ,  $\alpha_{exp} = 0.832$ ,  $\alpha_{simulation} = 0.831$ 