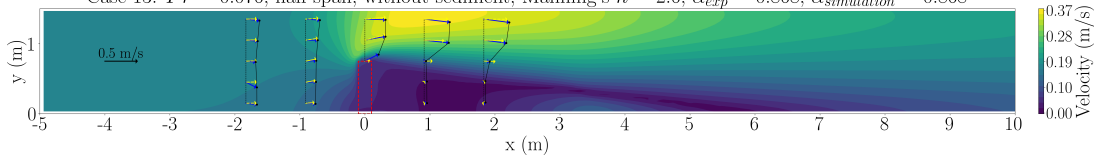
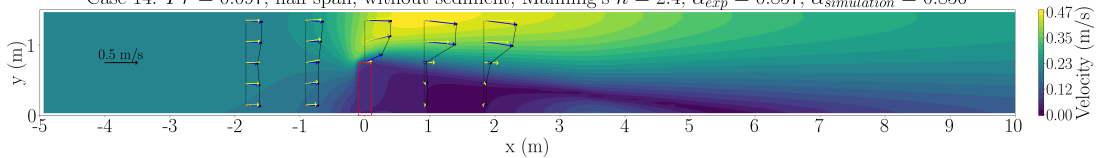


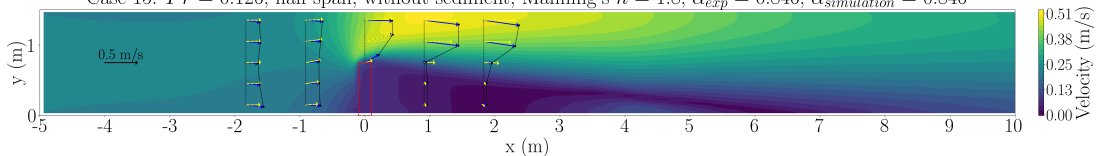
(a)

Case 13:  $Fr = 0.076$ , half-span, without sediment, Manning's  $n = 2.6$ ,  $\alpha_{exp} = 0.868$ ,  $\alpha_{simulation} = 0.868$ 

(b)

Case 14:  $Fr = 0.097$ , half-span, without sediment, Manning's  $n = 2.4$ ,  $\alpha_{exp} = 0.857$ ,  $\alpha_{simulation} = 0.856$ 

(c)

Case 15:  $Fr = 0.126$ , half-span, without sediment, Manning's  $n = 1.8$ ,  $\alpha_{exp} = 0.846$ ,  $\alpha_{simulation} = 0.846$ 

(d)

Case 16:  $Fr = 0.163$ , half-span, without sediment, Manning's  $n = 1.7$ ,  $\alpha_{exp} = 0.836$ ,  $\alpha_{simulation} = 0.837$ 