

## Flow over a hill

### **Exercise 2:**

Once you have implemented the equations, explore the behaviour of the analytic solution:

- Test the result for plausibility. Does the result qualitatively reflect your expectations?
- Learn how the system behaves. Change the input parameters and see how the waves respond.
- Test the limits of the analytic solution. What happens if the constraints of the analytic solution are not met?

*Please work in small groups.*

### **Material:**

/data/share/lehre/unix/grawe/metmod1/Bergueberstroemung/Exercise  
/data/share/lehre/unix/grawe/metmod1/Bergueberstroemung/Literature  
/data/share/lehre/unix/grawe/metmod1/Bergueberstroemung/Solution