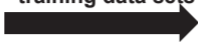
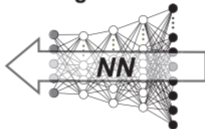


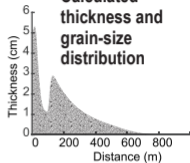
(1) Production of training data sets



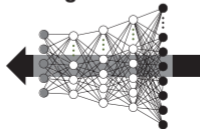
(2) Training of NN using artificial data



Calculated thickness and grain-size distribution



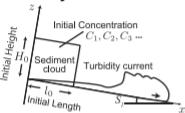
(3) Inverse analysis of ancient turbidites using trained NN



Depositional characteristics of ancient turbidites



Input parameters for forward model of turbidity currents



Paleo-flow conditions of turbidity currents

Velocity U
Flow depth H
Sediment concentration C_i
Basin slope S_i

