n = number of glaciers
for g in {1;...;n}:

Training, validation and hyperparameters tuning with all glaciers
except glacier g:

Hyperparameters tuning with grid search:

10-fold cross-validation:

for i in {1;...;10}:

Training with all glaciers
except group (fold) i

$\rightarrow$

Validation on group i:
$MSE_{fold,i} = mse(F_{fold,i,ref}, F_{fold,i,pred})$

$MSE_{validation} = mean(MSE_{fold,1}; ...; MSE_{fold,10})$

Selection of the hyperparameters with minimum $MSE_{validation}$

Training with the selected
hyperparameters and all glaciers
except glacier g

Test on glacier g:
$MSE_g = mse(F_{g,ref}, F_{g,pred})$