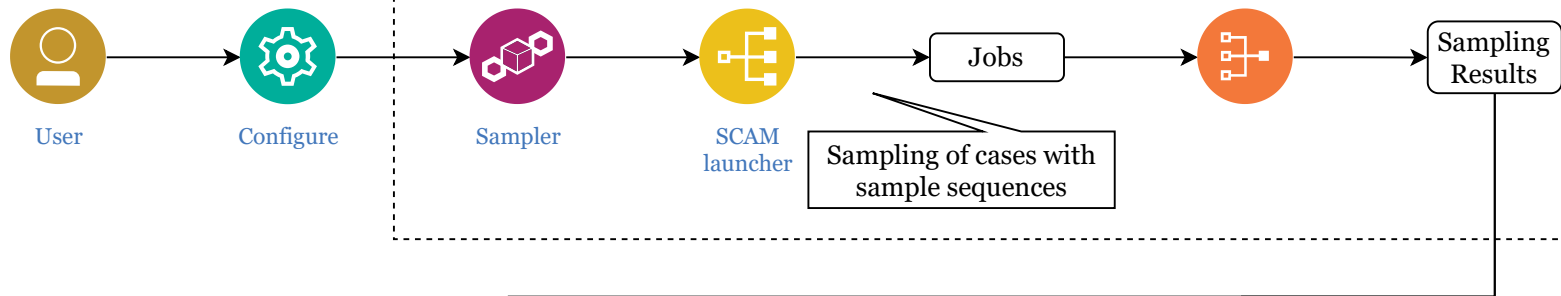
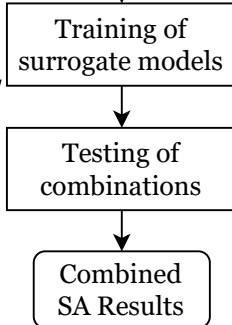


## I: Sampling and data collection

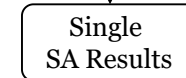


## II: Training of surrogate models and SA

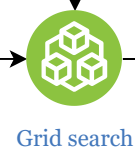
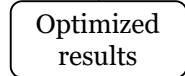
Regression methods	
LR	RF
MLP	XGBoost
ResNet	



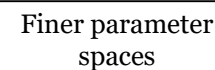
SA methods	
Morris	Delta
Sobol	HDMR
RBD-FAST	



Optimization algorithm	
GA	PSO
CSO	WOA
GSA	etc.



Case comparison and validation



## III: Parameter optimization and validation

