

$\mathcal{D}$   
Calibration data

$\mathcal{C}$

$y$

Altimetry  
observations

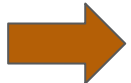
$\hat{f} \in \mathcal{F}$

$\hat{u}$

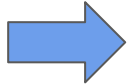
SSH  
estimation

Second order

Legend



First and second order **Calibration**



First and second order **Models**

$y$

Altimetry  
observations

$f_{y \rightarrow x}$

$x \sim p(x)$

State

Prior  
distribution

$f_{x \rightarrow u}$

$\hat{u}$

SSH  
estimation

First order