

Off-line, data input

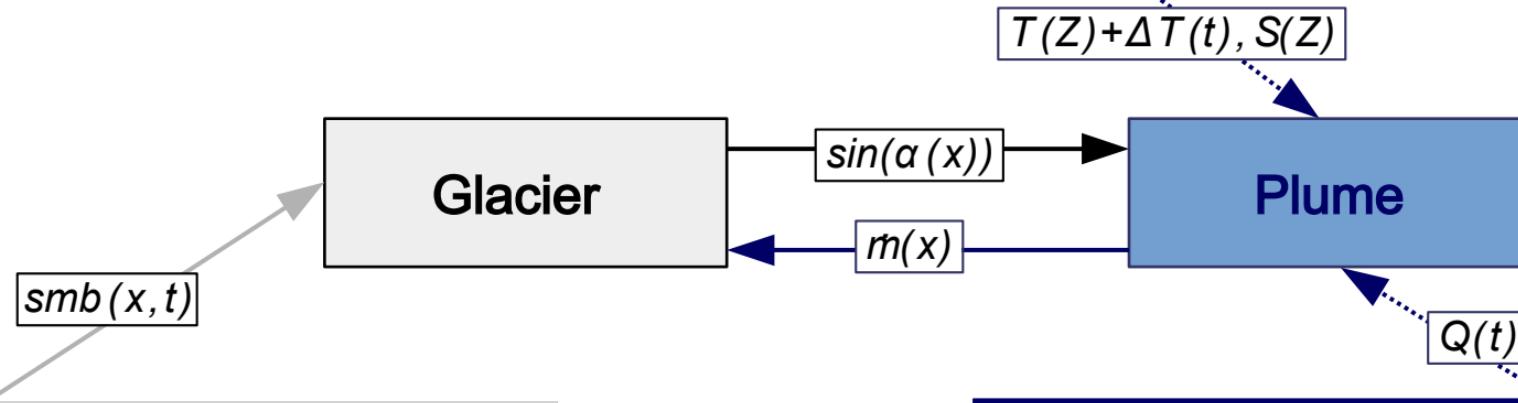
Interactive

### Temperature–salinity profiles

Fjord measurements and reanalysis  
data  $T(Z), S(Z)$  (Fig. S3)

### Projected temperature trend

3-D ocean-circulation models  $\Delta T(t)$   
(Table 1)



### Projection: surface mass balance

Data output from 3-D regional climate model **MAR** for surface mass balance  
(Fettweis et al., 2013) (Fig. S1)

$smb(lat, lon, t)$

### Projection: subglacial discharge

3-D ice sheet model **SICOPOLIS** and  
hydrological model **HYDRO** route basal melt  
and runoff to glaciers (Calov et al., 2018)  
(Fig. S4)