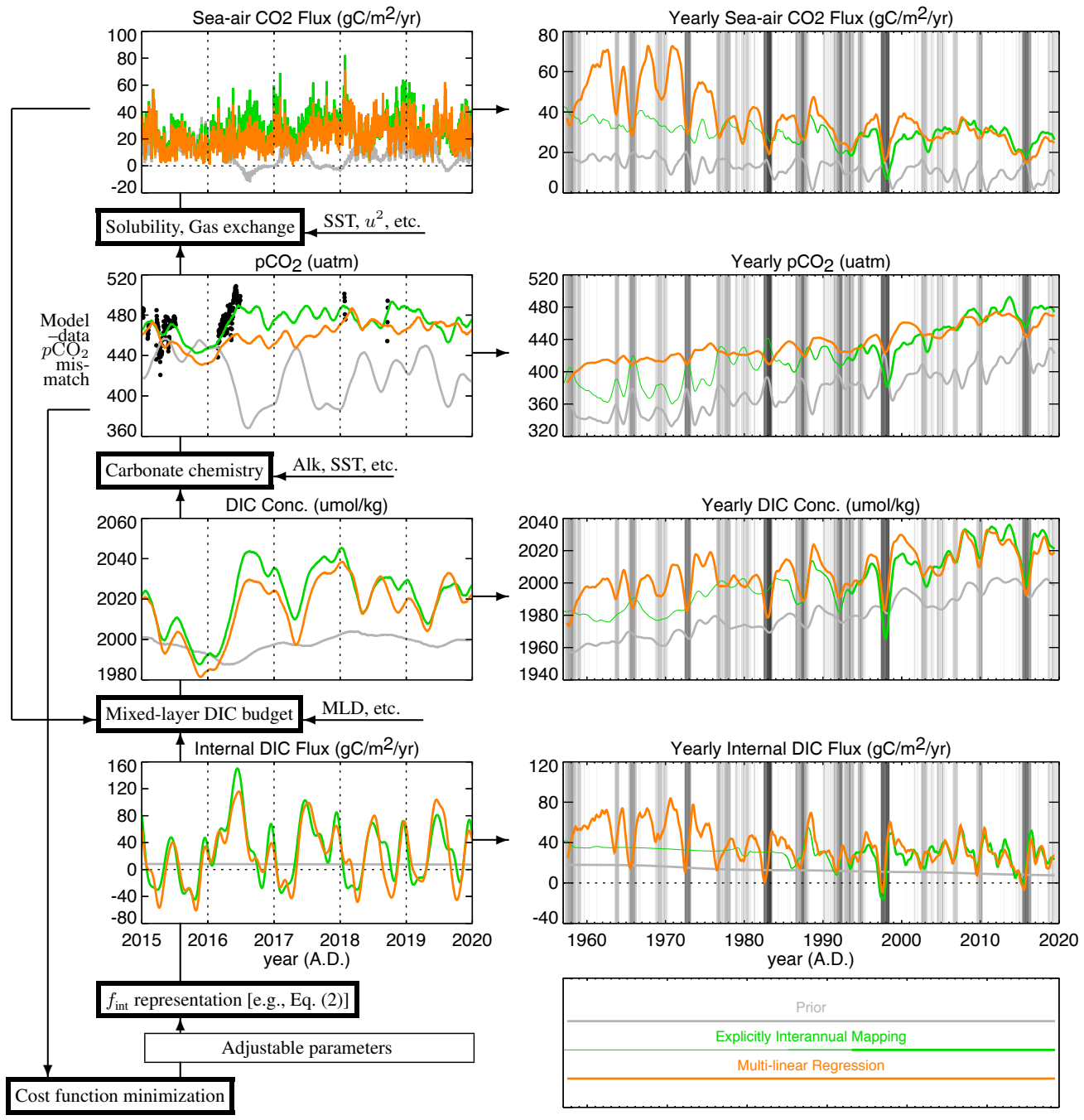
Sea-air CO2 Flux (gC/m2/yr)
Yearly Sea-air CO2 Flux (gC/m2/yr)
Solubility, Gas exchange
SST, u^2, etc.
pCO2 (uatm)
Yearly pCO2 (uatm)
Model –data pCO_2 mis-match
Carbonate chemistry
Alk, SST, etc.
DIC Conc. (umol/kg)
Yearly DIC Conc. (umol/kg)
Mixed-layer DIC budget
MLD, etc.
Internal DIC Flux (gC/m2/yr)
Yearly Internal DIC Flux (gC/m2/yr)
year (A.D.)
year (A.D.)
f_{int} representation [e.g., Eq. (2)]
Adjustable parameters
Cost function minimization
Prior
Explicitly Interannual Mapping
Multi-linear Regression