Prescribed emission $E^P$

Analysis $x^a = [C^a, E^a]^T$

The forecasting Model $M$

$M_E$

$E^f$

$C^f$

Background $x^b = [C^f, E^f]^T$

$H(x^b)$

$y^0$

EnSRF

Analysis vector $x^a = [C^a, E^a]^T$