

GHOSH flow chart

Initialization
timestep $i = 0$

X_0^f

Observation
available?

Yes

Observation
operator

$\mathcal{H}_i$

Observations

Y_i

Analysis
computation

y_i, R_i

Analysis phase

x_i^a, L_i^a

High-order
sampling

X_i^a

Model
operator,
 $i += 1$

$\tilde{X}_i^f$

Hybridization

Q_i

Parametric
uncertainty

Forecast phase

x_i^f, L_i^f

High-order
sampling

X_i^f