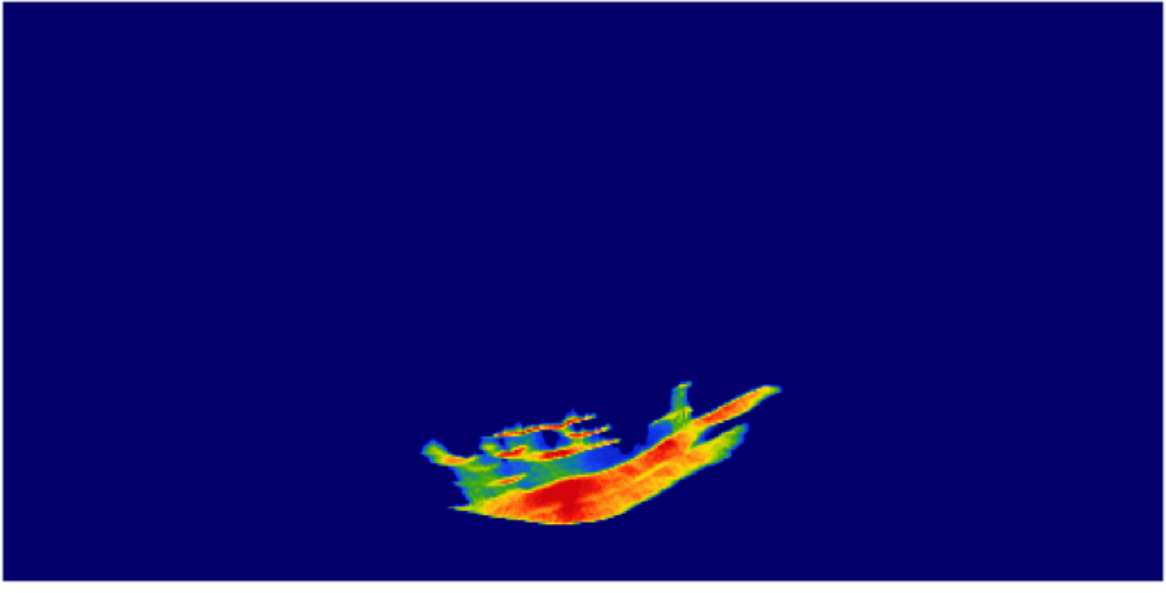
SLIM

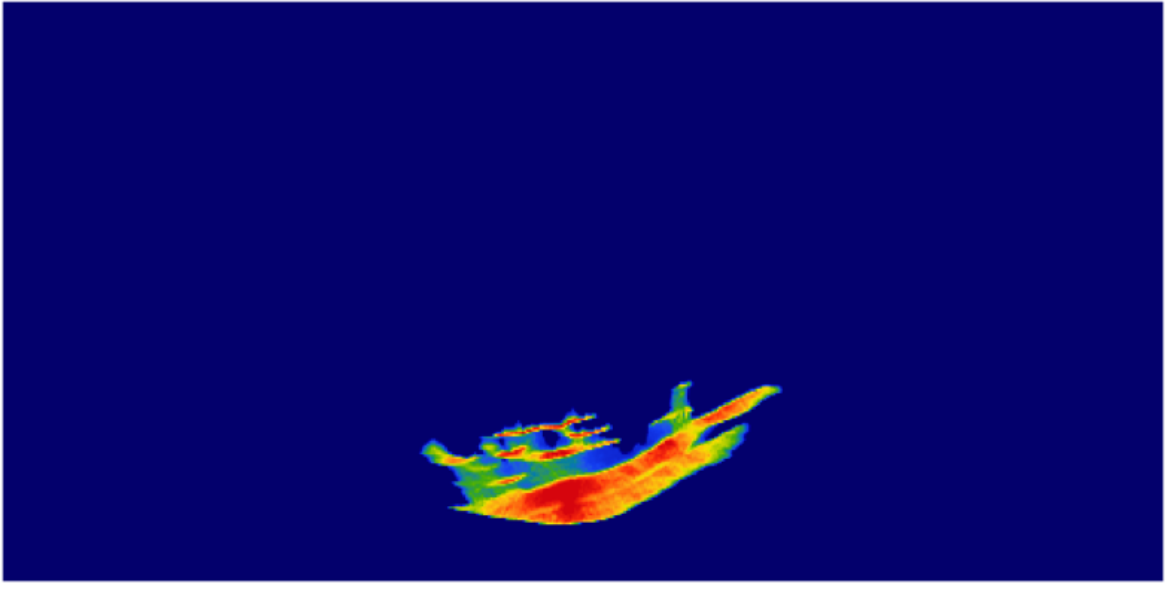
CO2 storage project life cycle

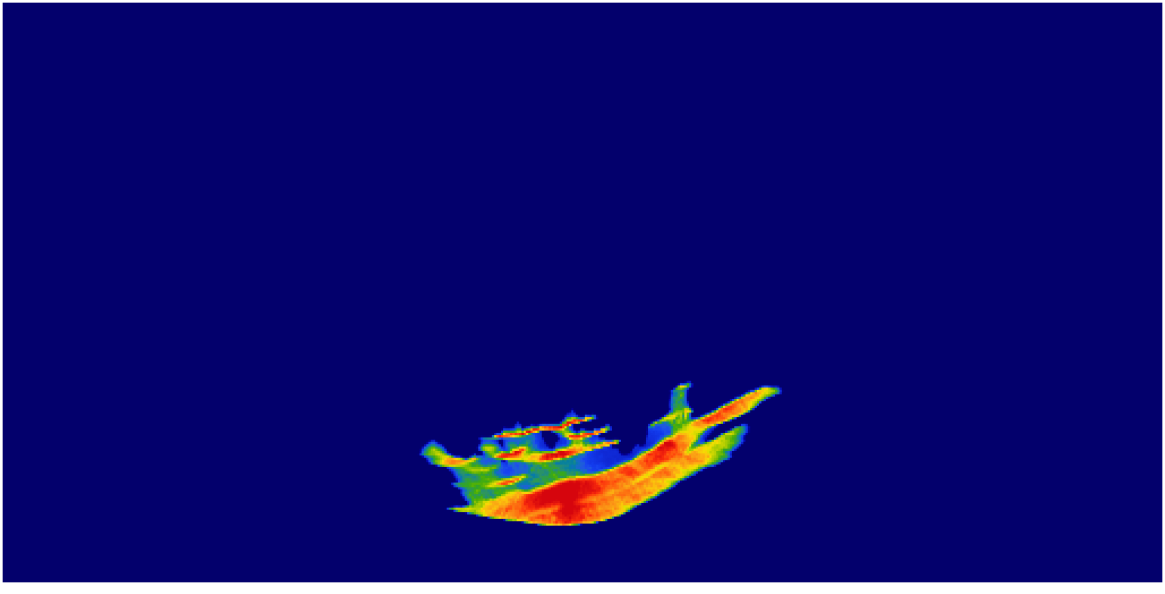
Fluid flow simulations

Prior samples $p(\mathbf{x}_0)$



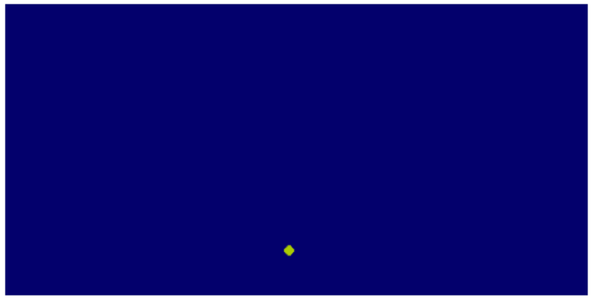
Forecasted plumes $p(\mathbf{x}_{k+1} \mid \mathbf{x}_k)$





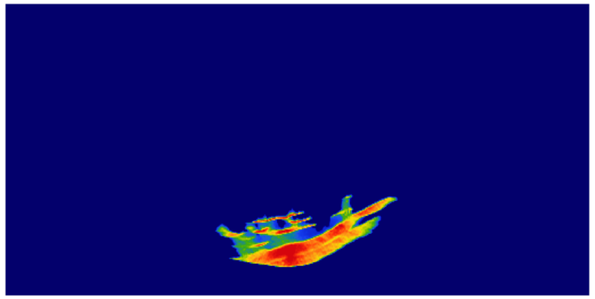
CO2 storage project life cycle

Prior samples $p(\mathbf{x}_0)$



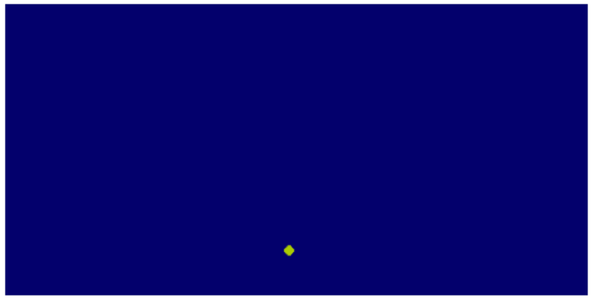
Fluid flow simulations

Forecasted plumes $p(\mathbf{x}_{k+1} \,|\, \mathbf{x}_k)$



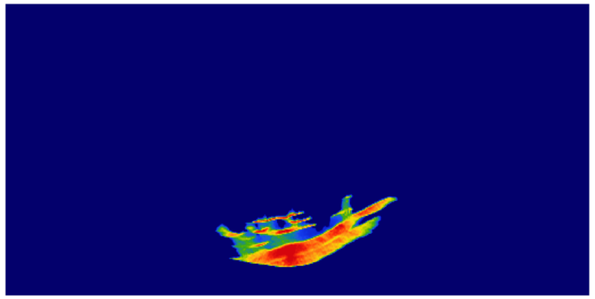
CO2 storage project life cycle

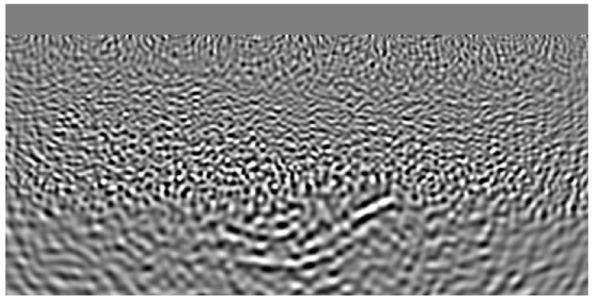
Prior samples $p(\mathbf{x}_0)$



Fluid flow simulations

Forecasted plumes $p(\mathbf{x}_{k+1} \,|\, \mathbf{x}_k)$



Synthetic observations

Train inference network and well design using pairs $p(\mathbf{x}_{k+1}, \mathbf{y}_{k+1})$