



■ In Situ Observations: \mathbf{y}_{s_i} - - - Unbiased Latent PDF: $\mathcal{N}(\mu_Y(s_i), \sigma_Y(s_i))$ ■ Climate Model Output: \mathbf{z}_{s_i} - - - Climate Model Latent PDF: $\mathcal{N}(\mu_Z(s_i), \sigma_Z(s_i))$