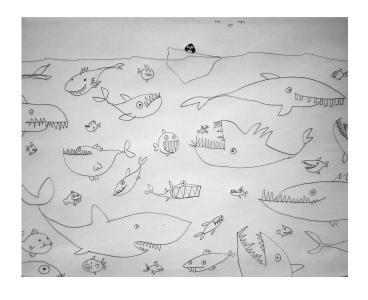
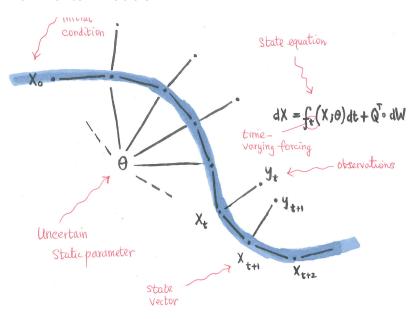


17 April 2012 Rristol

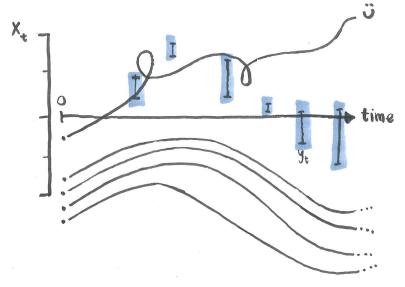


Caroline Hamann, Intractable and unsolved: The challenge of data assimilation with uncertain static parameters, Ink and paper, 2012

## Environmental models

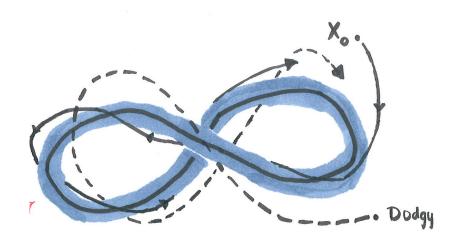


## Sensitive dependence on initial conditions



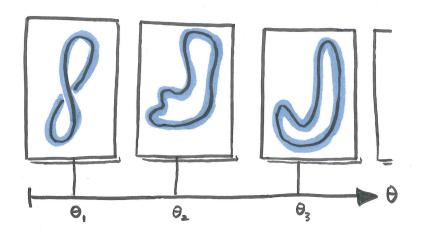
 $[X_0$  is not a location parameter.]

## Dissipative systems and attractors



[Millions of local maxima in the likelihood function.]

## The effect of static parameters



[Why state vector augmentation only works in theory.]

