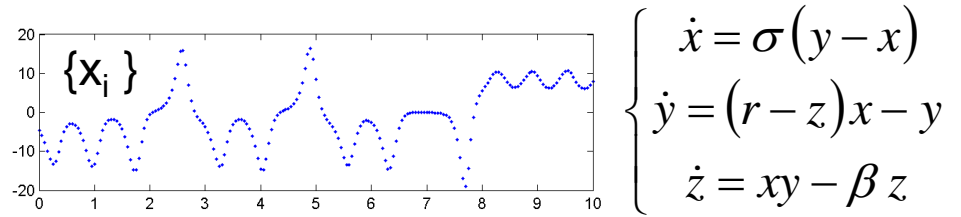


# Identification des paramètres du modèle de Lorenz en contexte perturbé, par une approche de stratégie d'évolution



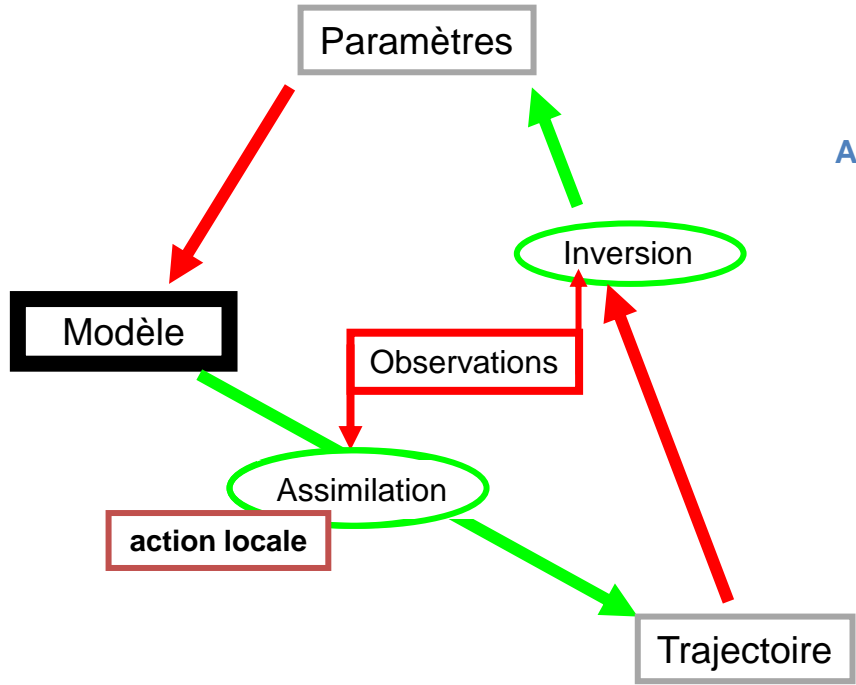
Mangiarotti S. & Schoenauer M.



Variables intégrées:  
 $x(t), y(t), z(t)?$



Paramètres:  
 $\sigma? r? \beta?$



Algorithme de Stratégie d'Evolution CMA-ES  
Hansen et al. (2003)

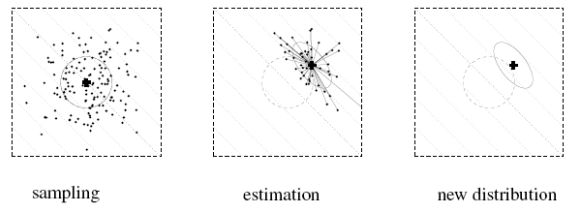
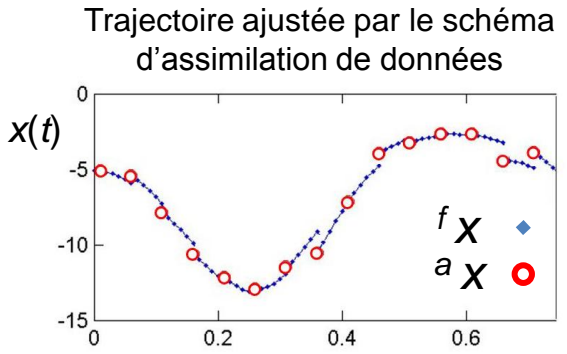
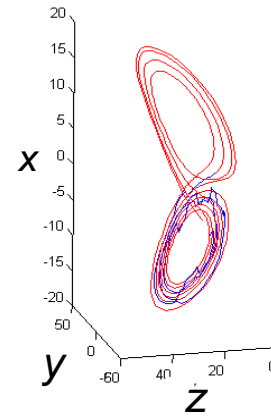
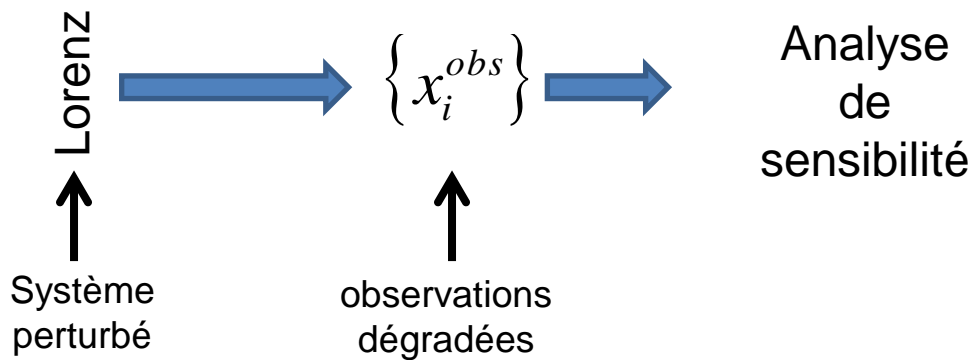


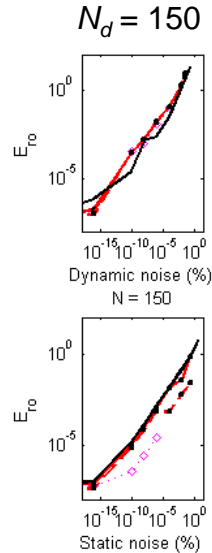
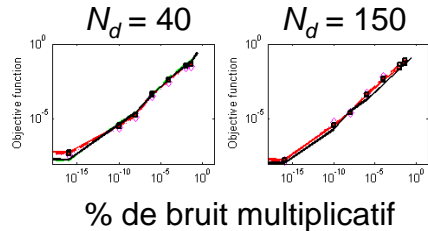
Schéma d'assimilation



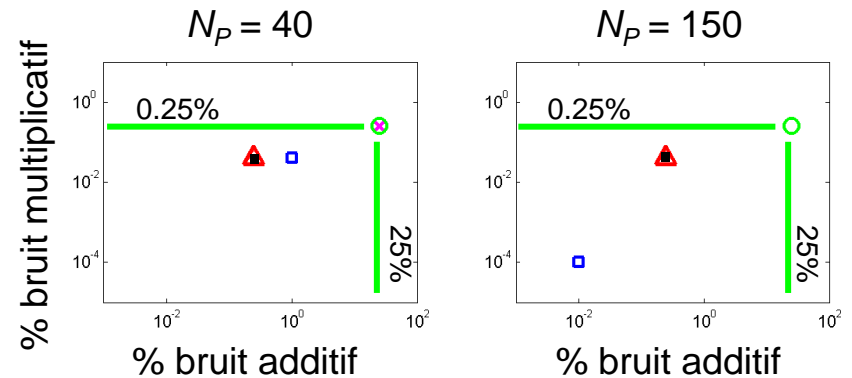


### I. Capacité d'ajustement de la trajectoire

### II. Capacité d'identification des paramètres



### III. Robustesse au bruit



- x CMA-ES
- CMA-ES<sup>Adaptatif</sup>
- CMA-ES + DA-1
- △ CMA-ES<sup>Adaptatif</sup> + DA-1
- CMA-ES<sup>Adaptatif</sup> + DA-2