Plant observation (measured output) Plant = dynamical system Transition law: $S_t \mapsto S_{t+1}$ $S_{t+1} = P(S_t, \alpha_t)$ Mostly $S = P(S, \alpha)$ $S_{t+1} = S_t + AtP(s_t, a_t)$ discretization

step site

$$\frac{\partial}{\partial t} L(s) = \langle \nabla_s L, \underline{s} \rangle = \mathcal{L}_p L$$

$$\begin{cases}
Vs. \\
\Delta L_t = L_{t+1} - L_t \\
= L(P(s_1, a_t)) - L(s_t)
\end{cases}$$