Exchange with the environment

Sensation

$$\mathbf{s} = \mathbf{g}(\boldsymbol{\psi}, a) + \boldsymbol{\omega}$$

Sensory delays

Hidden states

$$\dot{\boldsymbol{\psi}} = \mathbf{f}(\boldsymbol{\psi}, \mathbf{a}) + \boldsymbol{\omega}$$

$$\tilde{\mu} = \arg\min_{\tilde{\mu}} F(\tilde{s}, \tilde{\mu})$$

Internal states

$$a = \arg\min_{a} F(\tilde{s}, \tilde{\mu})$$

Motor delays

environment

Action

agent

Separated by a Markov blanket