

Free Energy Principle



Minimizing surprise
but no time horizon

Predictive Coding



Plasticity in neural hierarchy
but no behavior goal
and no time horizon

How priors affect
online monitoring
of environmental cues
through neural
hierarchy processing

Markov Decision Process



What and How action choice
happens with time horizon
and behavioral goal

How priors shape
action sequences on
the environment
through neural
plasticity
but no formal goal
nor time horizon

Sentinel



Online monitoring
of environment

Incorporate past and future
events with current
behavioral goal
but no time horizon,
no plasticity and no hierarchy

Semantic



Exploration of
mental scenarios

How?

What?

Sensory Input

Behavioral Consequences

Legend :

- Time horizon
- Neural plasticity
- Hierarchy
- Behavioral goal