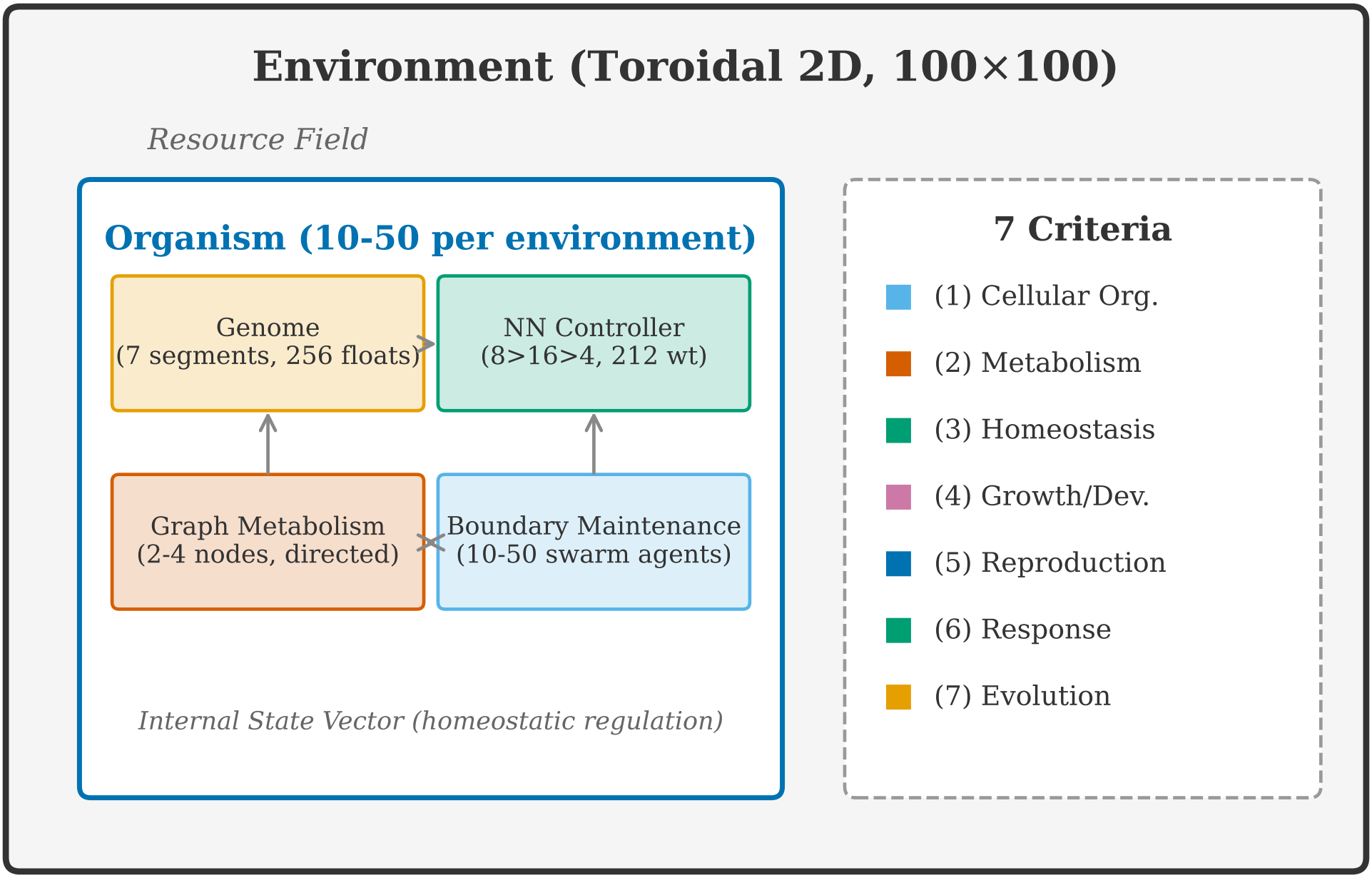
Environment (Toroidal 2D, 100×100)
Resource Field
Organism (10-50 per environment)
Genome
(7 segments, 256 floats)
NN Controller
(8>16>4, 212 wt)
Graph Metabolism
(2-4 nodes, directed)
Boundary Maintenance
(10-50 swarm agents)
Internal State Vector (homeostatic regulation)
7 Criteria
(1) Cellular Org.
(2) Metabolism
(3) Homeostasis
(4) Growth/Dev.
(5) Reproduction
(6) Response
(7) Evolution