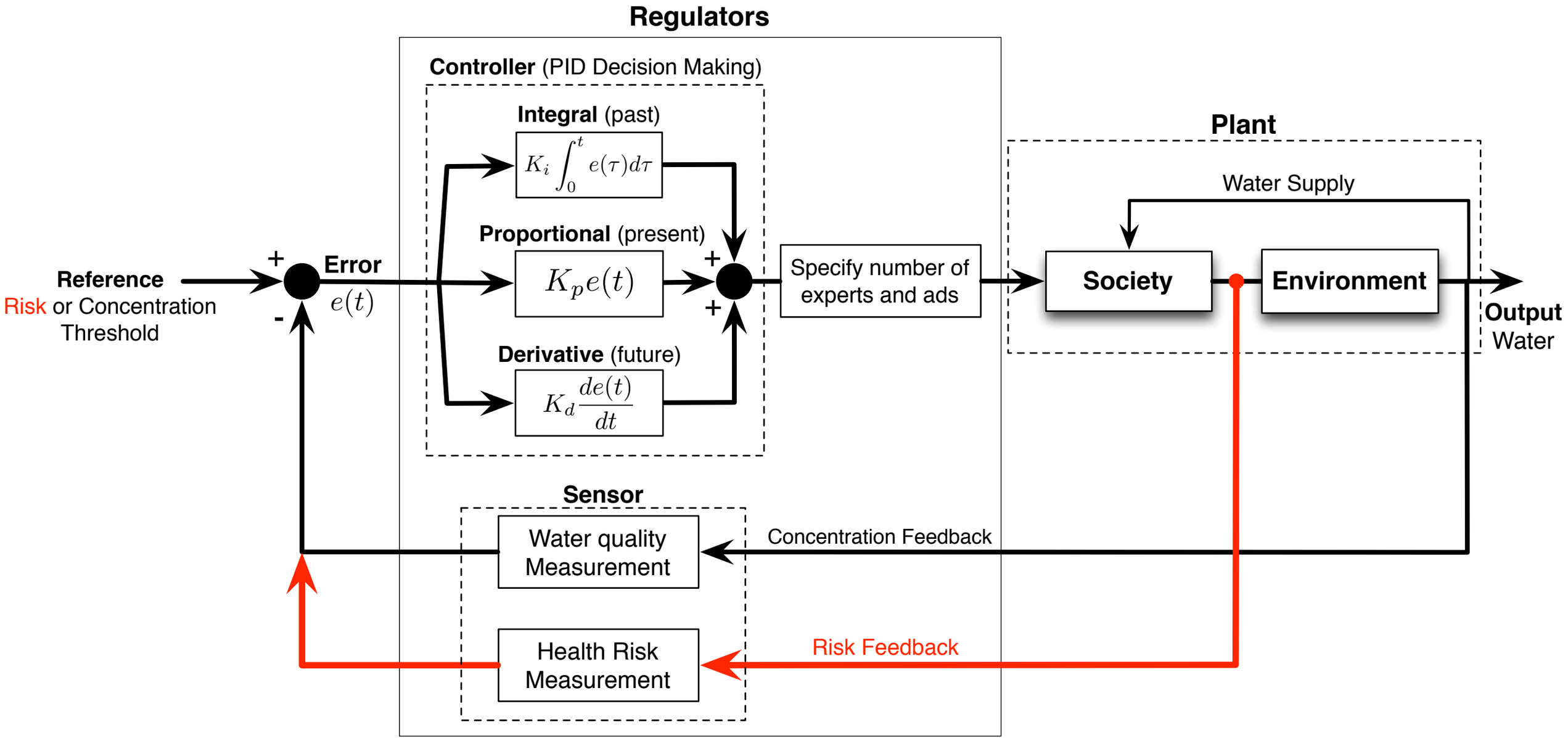
Regulators
Controller (PID Decision Making)
Integral (past)
$K_i \int_0^t e(\tau)d\tau$
Proportional (present)
$K_p e(t)$
Derivative (future)
$K_d \frac{de(t)}{dt}$
Reference
Risk or Concentration Threshold
Error
$e(t)$
+
-
+
+
Specify number of experts and ads
Plant
Water Supply
Society
Environment
Output
Water
Sensor
Water quality Measurement
Health Risk Measurement
Concentration Feedback
Risk Feedback