

OPTIMIZATION

Optimal operating policies under historical conditions

Steps:

Operating objectives

Multi-objective evolutionary algorithm (EMODPS)

Output:

Optimal operating policies

ROBUSTNESS

Robust policies under deep uncertainty

Steps:

Uncertainty characterization

States of the world

System re-simulation

Robustness metric

Output:

States of the world

Robust policies

SENSITIVITY AND UNCERTAINTY

Sources of vulnerability and behavioral perturbations

Steps:

Uncertainty analysis (GLUE)

Sensitivity analysis (PAWN)

Output:

Behavioral system perturbations

Sensitivity index

Sources of vulnerabilities