

## 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**