# Notes

## Simulation decomposition from M. Kozlova paper

1. Identify key variables ~V\_i and possible range of values.
2. Id. Keys ~V that can be manipulated
3. Identify boundaries ~B\_ij for each ~A\_ij of chosen subset ~V\_i variable.
   1. Maybe label them apropriately
4. Form a groups ~G\_k of combinations to specify decomposition scheme

### Example categories

Rain – Min/Max from all the simulations – set boundaries to quantiles 3 thresholds ?? Dry, Moderate, Wet.

Price – Normal, optimistic, fantastic ? :D

## Seeing the model what might be done

What to monitor ?

Price ? Dam levels ?

A decision to, control flood gates

A decision to, control maintenance

## What are we to do ?

Maintenance control module

Improvement comparing to normal model

Sensitivity analysis

Multiple approaches possible