

## Build database of observations

Data collection with quality control



Data pre-processing



## Build parameterization scheme

Fitting and response function selection



Identify the optimal threshold  $Y$



Calculate  $POD_Y$

$A_n$

$g_s$



Calculate response factors ( $F_{O3\_A}$  and  $F_{O3\_g}$ )



$$A_{n\_O3} = A_n \times F_{O3\_A}$$

$$g_{s\_O3} = g_s \times F_{O3\_g}$$

