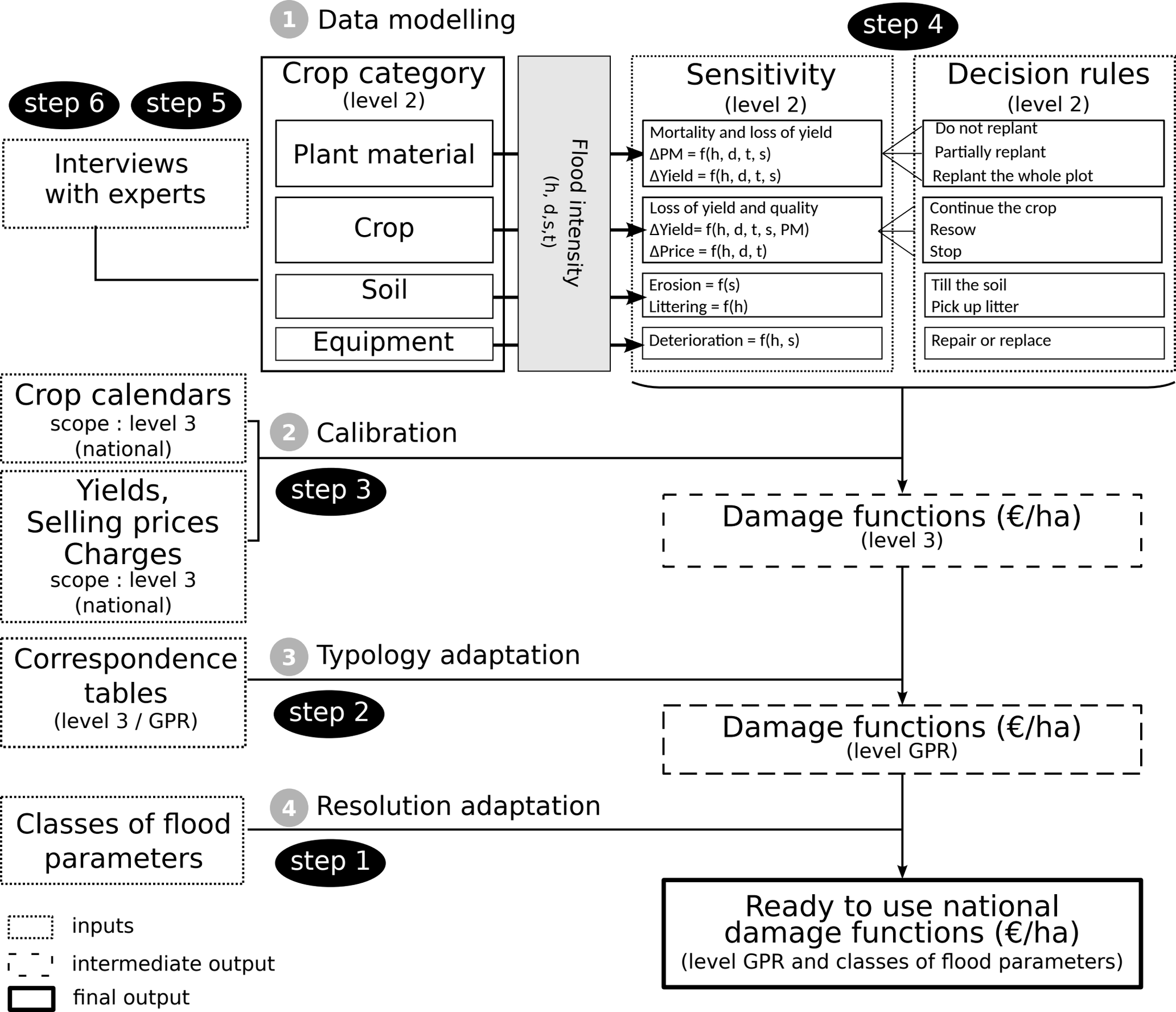
1 Data modelling
step 4
step 6
step 5
Interviews with experts
Crop category
(level 2)
Plant material
Crop
Soil
Equipment
Flood intensity
(h, d,s,t)
Sensitivity
(level 2)
Mortality and loss of yield
ΔPM = f(h, d, t, s)
ΔYield = f(h, d, t, s)
Loss of yield and quality
ΔYield= f(h, d, t, s, PM)
ΔPrice = f(h, d, t)
Erosion = f(s)
Littering = f(h)
Deterioration = f(h, s)
Decision rules
(level 2)
Do not replant
Partially replant
Replant the whole plot
Continue the crop
Resow
Stop
Till the soil
Pick up litter
Repair or replace
Crop calendars
scope : level 3
(national)
2 Calibration
step 3
Yields, Selling prices Charges
scope : level 3
(national)
Damage functions (€/ha)
(level 3)
Correspondence tables
(level 3 / GPR)
3 Typology adaptation
step 2
Damage functions (€/ha)
(level GPR)
Classes of flood parameters
4 Resolution adaptation
step 1
Ready to use national damage functions (€/ha)
(level GPR and classes of flood parameters)
inputs
intermediate output
final output