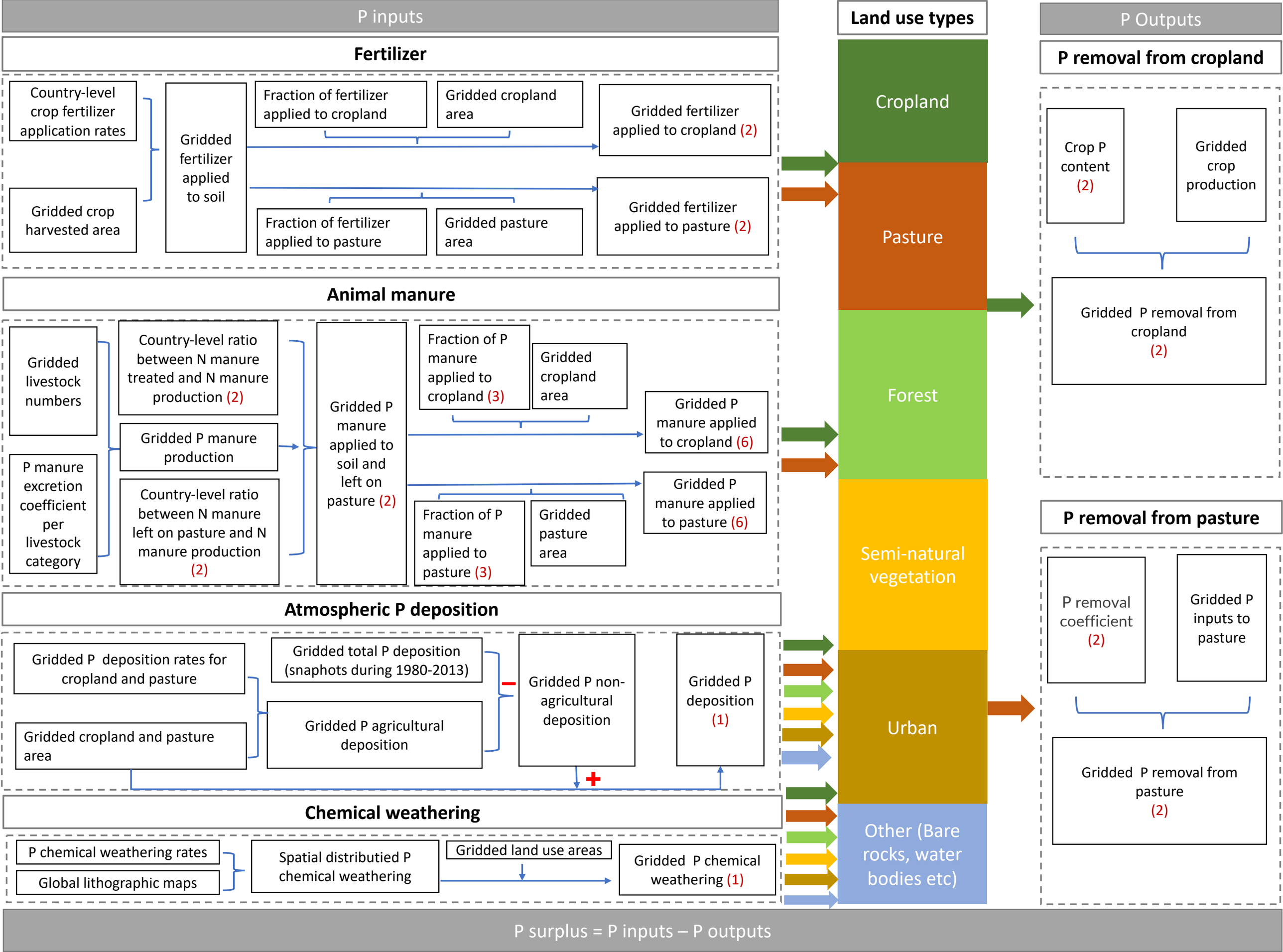
P inputs
Fertilizer
Country-level crop fertilizer application rates
Gridded crop harvested area
Gridded fertilizer applied to soil
Fraction of fertilizer applied to cropland
Gridded cropland area
Gridded fertilizer applied to cropland (2)
Fraction of fertilizer applied to pasture
Gridded pasture area
Gridded fertilizer applied to pasture (2)
Animal manure
Gridded livestock numbers
P manure excretion coefficient per livestock category
Country-level ratio between N manure treated and N manure production (2)
Gridded P manure production
Country-level ratio between N manure left on pasture and N manure production (2)
Gridded P manure applied to soil and left on pasture (2)
Fraction of P manure applied to cropland (3)
Gridded cropland area
Gridded P manure applied to cropland (6)
Fraction of P manure applied to pasture (3)
Gridded pasture area
Gridded P manure applied to pasture (6)
Atmospheric P deposition
Gridded P deposition rates for cropland and pasture
Gridded cropland and pasture area
Gridded total P deposition (snaphots during 1980-2013)
Gridded P agricultural deposition
Gridded P non-agricultural deposition
Gridded P deposition (1)
Chemical weathering
P chemical weathering rates
Global lithographic maps
Spatial distributied P chemical weathering
Gridded land use areas
Gridded P chemical weathering (1)
Land use types
Cropland
Pasture
Forest
Semi-natural vegetation
Urban
Other (Bare rocks, water bodies etc)
P Outputs
P removal from cropland
Crop P content (2)
Gridded crop production
Gridded P removal from cropland (2)
P removal from pasture
P removal coefficient (2)
Gridded P inputs to pasture
Gridded P removal from pasture (2)
P surplus = P inputs – P outputs