

Filename: Fig1_Available_P_stock

Relevance: Fig1 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053>

Description: Available P stock in the agricultural topsoil (0-20 cm) of the EU and UK.

Type: Raster (GeoTiff)

Unit: kg per ha (kg ha⁻¹)

Resolution: 100m

Coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: Fig2_Total P stock in the agricultural topsoil.tif

Relevance: Fig2 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053>

Description: Total P stock in the agricultural topsoil (0–20 cm) of the EU and UK.

Type: Raster (GeoTiff)

Unit: kg per ha (kg ha⁻¹)

Resolution: 500m

Coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Labels: Fig2_Total P stock in the agricultural topsoil.shp

Relevance: Fig2 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053>

Description: Ratio of aggregated total P / Available P (at country level).

type: shapefile

Column: ratio

coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: Fig3_Phosphorus_from_fertilizers

Relevance: Fig3 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053>

Description: Phosphorus inputs from mineral fertilizers application to agricultural soils.

Type: Shapefile

Unit: kg per ha per year (kg ha⁻¹ yr⁻¹)

Resolution: NUTS2

column: Fert_perHa

Coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: Fig4_Phosphorus_from_manure

Relevance: Fig4 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053>

Description: Phosphorus inputs to agricultural soils from manure.

Type: Shapefile

Unit: kg per ha per year (kg ha⁻¹ yr⁻¹)

Resolution: NUTS2

column:Fert_perHa

coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: Fig5_Phosphorus from atmospheric and chemical_A
Relevance: Fig5 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053>
Description: Phosphorus inputs from atmospheric deposition and chemical weathering.
Type: Shapefile
Unit: kg per ha per year (kg ha⁻¹ yr⁻¹)
Resolution: country
column: PinOsrc
coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: Fig5_Phosphorus from atmospheric and chemical_B
Relevance: Fig5 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053> (the colour bars)
Description: Aggregated Phosphorus inputs from atmospheric deposition and chemical weathering (per country).
Type: Shapefile
Unit: Tonnes per year (tonnes yr⁻¹)
Columns: ChWeath, AtmDep
Resolution: country
columns: ChWeath, AtmDep
Coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: Fig6_Phosphorus displacement_A
Relevance: Fig6 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053>
Description: Phosphorus displacement (kg P ha⁻¹ yr⁻¹) due to water erosion in agricultural lands of the EU and UK.
Type: Shapefile
Unit: P kg per ha per year (kg ha⁻¹ yr⁻¹)
Resolution: Catchments from CCM2
column: P_eroded
coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: Fig6_Phosphorus displacement_B.shp
Relevance: Fig6 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053> (the colour bars).
Description: Aggregated Phosphorus displacement (Tonnes yr⁻¹) due to water erosion in agricultural lands of the EU and UK(per country).
Type: Shapefile
Unit: Tonnes per year (tonnes yr⁻¹)
Resolution: Catchments from CCM2
Resolution: country
Columns: eroded, deposited
columns: eroded, deposited
coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: Fig7_Phosphorus_losses_to_river_basins
Relevance: Fig7 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053>
Description: Phosphorus losses to river basins (kg ha-1 yr-1) due to water erosion in agricultural areas.
Type: Shapefile
Unit: P kg per ha per year (kg ha-1 yr-1)
Resolution: Catchments from CCM2
column: P_lossesRb
coordinate reference system (CRS): ETRS89-extended / LAEA Europe

The aggregated data per sea are given in the file seaoutlets.csv
Unit: Thousand Tonnes (1,000 t) P
Columns: seaoutlets (1,000 tonnes), unc_seaoutlets (uncertainty)

Filename: Fig.9_Phosphorus_budge_A
Relevance: Fig9 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053>
Description: Phosphorus budget per region as kg P ha-1.
Type: Shapefile
Unit: kg per ha per year (kg ha-1 yr-1)
Resolution: NUTS2
column:Balance_kg
coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: Fig.9_Phosphorus_budge_B
Relevance: Fig9 of <https://www.sciencedirect.com/science/article/pii/S0048969722058053> (the colour bars)
Description: Annual sum of P inputs and outputs per country.
Type: Shapefile
Unit: kg per year (tonnes yr-1)
Columns: Pinput, Poutput
Resolution: country
columns: Pinput, Poutput
Coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: FigS2_inputs_from_Atmospheric_Deposition
Relevance: FigS2 from Supplementary material of <https://www.sciencedirect.com/science/article/pii/S0048969722058053>
Description: P Inputs from Atmospheric Deposition – data from (Mahowald et al., 2008).
Type: Raster
Unit: mg per m2 per year (mg/m2/yr)
Resolution: 100m (original 2.33dd)
Coordinate reference system (CRS): ETRS89-extended / LAEA Europe

Filename: FigS3_inputs_from_Chemical_Weathering

Relevance: FigS3 from Supplementary material of

<https://www.sciencedirect.com/science/article/pii/S0048969722058053>

Description: P inputs from Chemical weathering – data from (Hartmann et al., 2014).

Type: Raster

Unit: Kg per Km² per year (Kg km⁻² yr⁻¹)

Resolution: 1km

Coordinate reference system (CRS): World_Eckert_IV

Filename: FigS5_Phosphorus_budget_at_country

Relevance: FigS5 from Supplementary material of

<https://www.sciencedirect.com/science/article/pii/S0048969722058053>

Description: Phosphorus budget at country scale including sum of inputs/outputs and uncertainties.

Type: Shapefile

Unit: Kg per ha per year (Kg ha⁻¹ yr⁻¹)

Resolution: Country

Columns:

the total input: inputHA,

the total output: outputHA

the uncertainty of total input: uncertIn

the uncertainty of total output: uncertOut

Phosphorus budget: P_budgetHa

Coordinate reference system (CRS): ETRS89-extended / LAEA Europe