

Overview of the interactive N budget tool

Nitrogen budget visualisation closest to year 2015 for Germany in kTN/yr (Total N)

Visualise N Budget [Import data](#)

Year
1981 2015
1981 1987 1993 1999 2005 2011 2015

Country
Germany

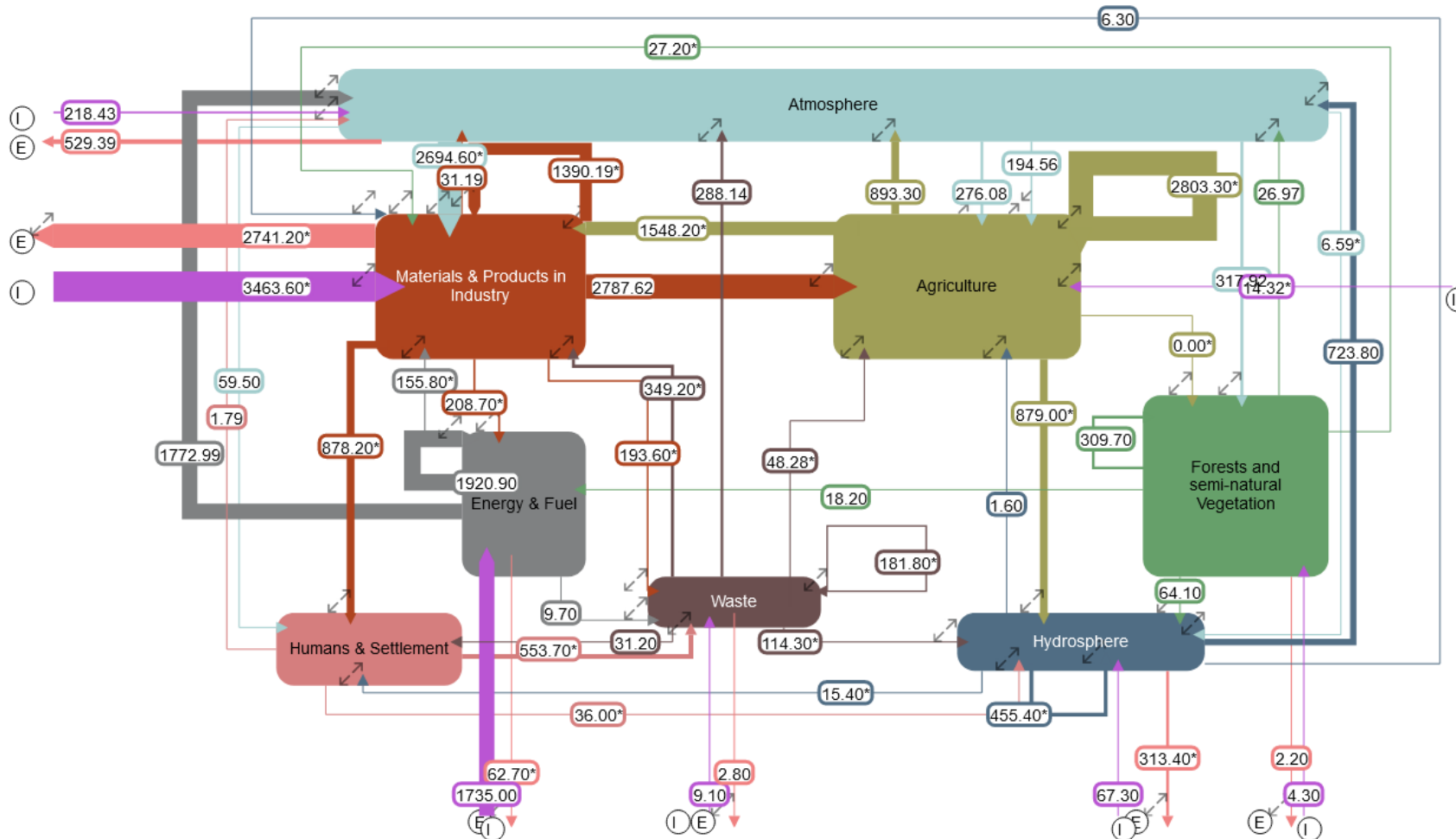
Nitrogen species
Total N

Colour scheme
Same as source pool

Arrow width
0.01 1 2
0.01 0.21 0.41 0.61 0.81 1.01 1.21 1.41 1.61 1.81 2

Simplify all flows
 Show import/exports
 Show missing values
 Propagate missing values to parent flows
 Show only import/exports

Do not display flux values under...
0



Biological N fixation

AT-AG-Nfix
Atmosphere to Agriculture

Estimated on period from 2010-01-01 to 2010-12-31

Some regional information about this flow

Some specific information about this flow inputted by data provider

* This value is the sum of children flows, some of which may have been unquantified

Left-hand side: change time period, switch countries, nitrogen species, colour scheme, filter out small values, display options
Right-hand side: information about hovered box or flow

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Visualise N Budget [Import data](#)

Year
 1961 2015
 1961 1967 1973 1979 1985 1991 1997 2003 2009 2015

Country
 Germany

Nitrogen species
 Total N

Colour scheme
 Same as source pool

Arrow width
 0.01 2
 0.01 0.21 0.41 0.81 1.01 1.21 1.41 1.61 1.81 2

Simplify all flows

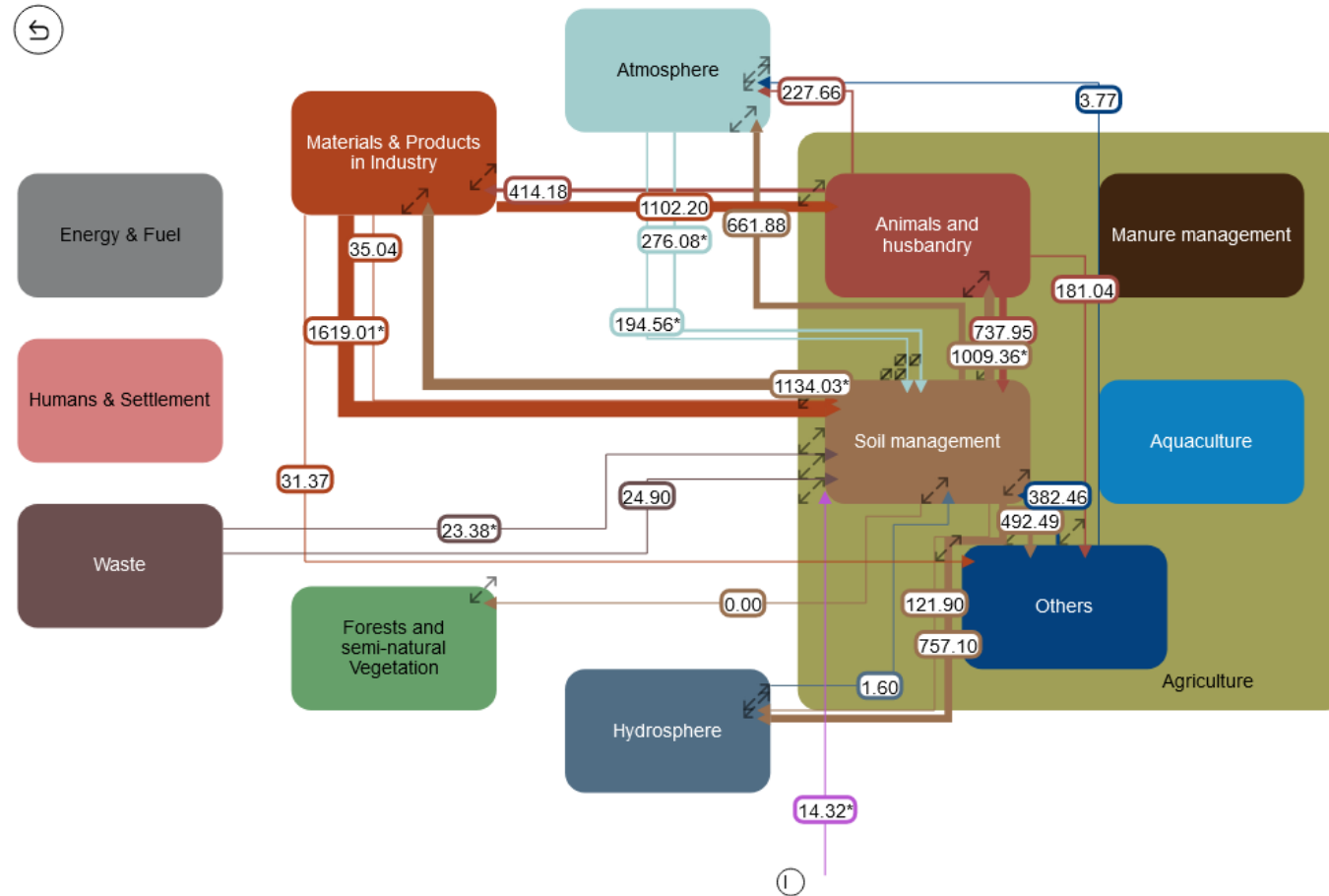
Show import/exports

Show missing values

Propagate missing values to parent flows

Show only import/exports

Do not display flux values under...
 0



Atmosphere
SoilManagement
fixation

AT-AG.SM-Nfix

Atmosphere to Soil
management

Estimated on period from
2010-01-01 to 2010-12-31

Some regional information
about this flow

Some specific information
about this flow inputted by data
provider

* This value is the sum of children flows, some of which may have been unquantified

Pool sub-chart (here agriculture) when clicking a box, displaying its sub-pools and filtering out flows not related to main pool. Possibility to split/merge flows by clicking/double-clicking them

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The image displays three sequential screenshots of a web-based interactive tool for nitrogen budget visualization. Each screenshot shows a different step in the data ingestion process.

Screenshot 1: Shows the initial data submission options. The user can choose to 'Visualise N Budget' or 'Import data'. Under 'How would you like to submit data?', there are three buttons: 'Upload file', 'Fill in template', and 'Existing database'. The 'Upload file' option is selected, showing a file named 'my_data.csv' with an 'Upload complete' button below it. A 'Countries:' dropdown menu is set to 'Afghanistan'.

Screenshot 2: Shows the manual input interface. The user has selected 'Belgium' as the country. Below this, there is a table for defining flows:

Source	Target	Flow name	Flow amount	Units
AT	AG	gasEm	20	kt

Buttons for '+ Add subflow' and 'x Remove subflow' are located below the first row.

Screenshot 3: Shows the extraction interface. The user has selected 'Germany' as the country to extract data for. Below this, there is a table for defining flows:

Source	Target	Flow name	Flow amount	Units
AG	AG		0	kt

Buttons for '+ Add Flow', 'x Remove Flow', and 'Submit' are located below the table.

Data ingestion: in progress. Either 1/ upload nitrogen budget data from a csv file, basing on a template to be defined 2/ manually input each flow with a click-button interface. 3/ Extract data for a given country