

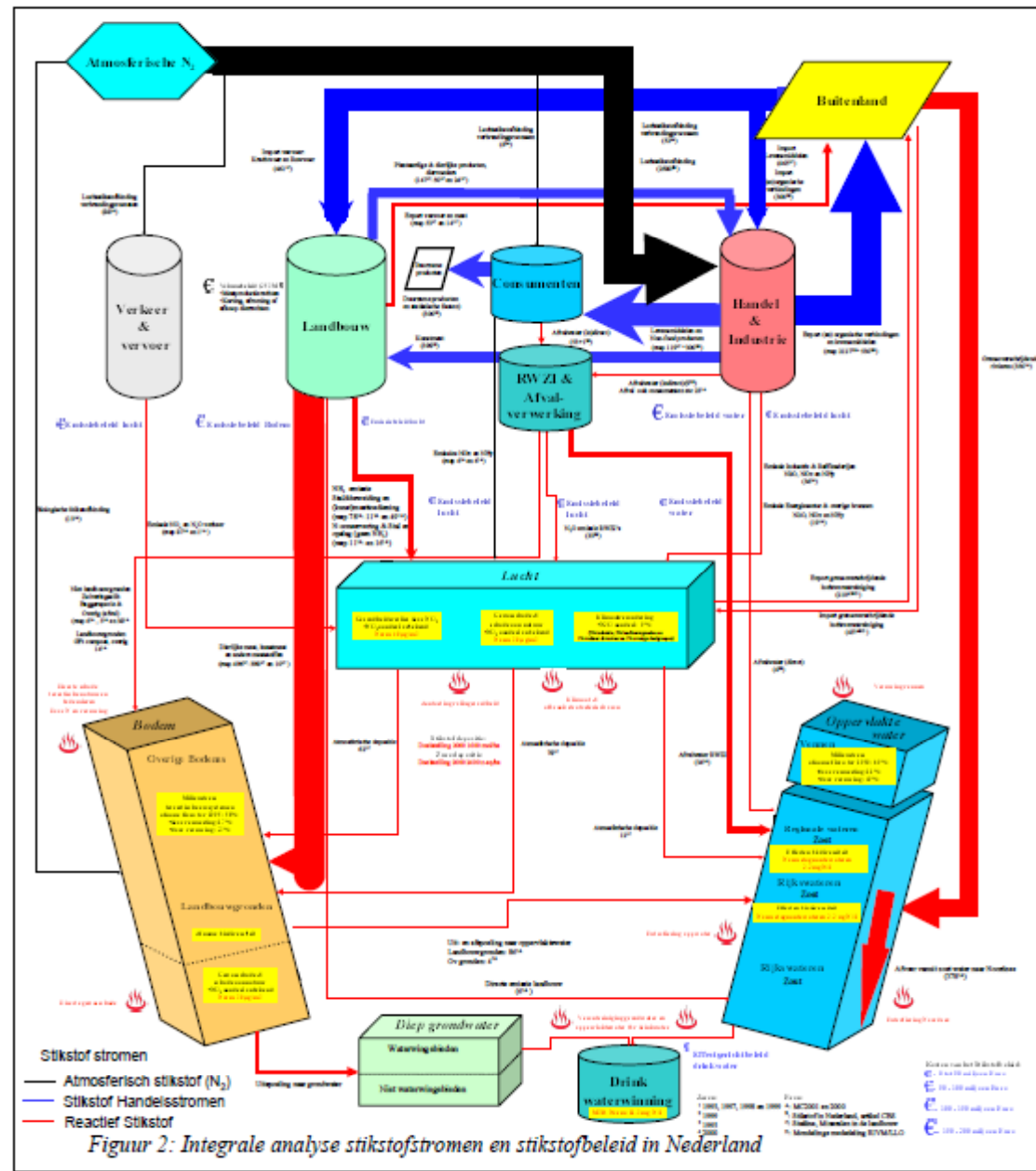


Energy research Centre of the Netherlands

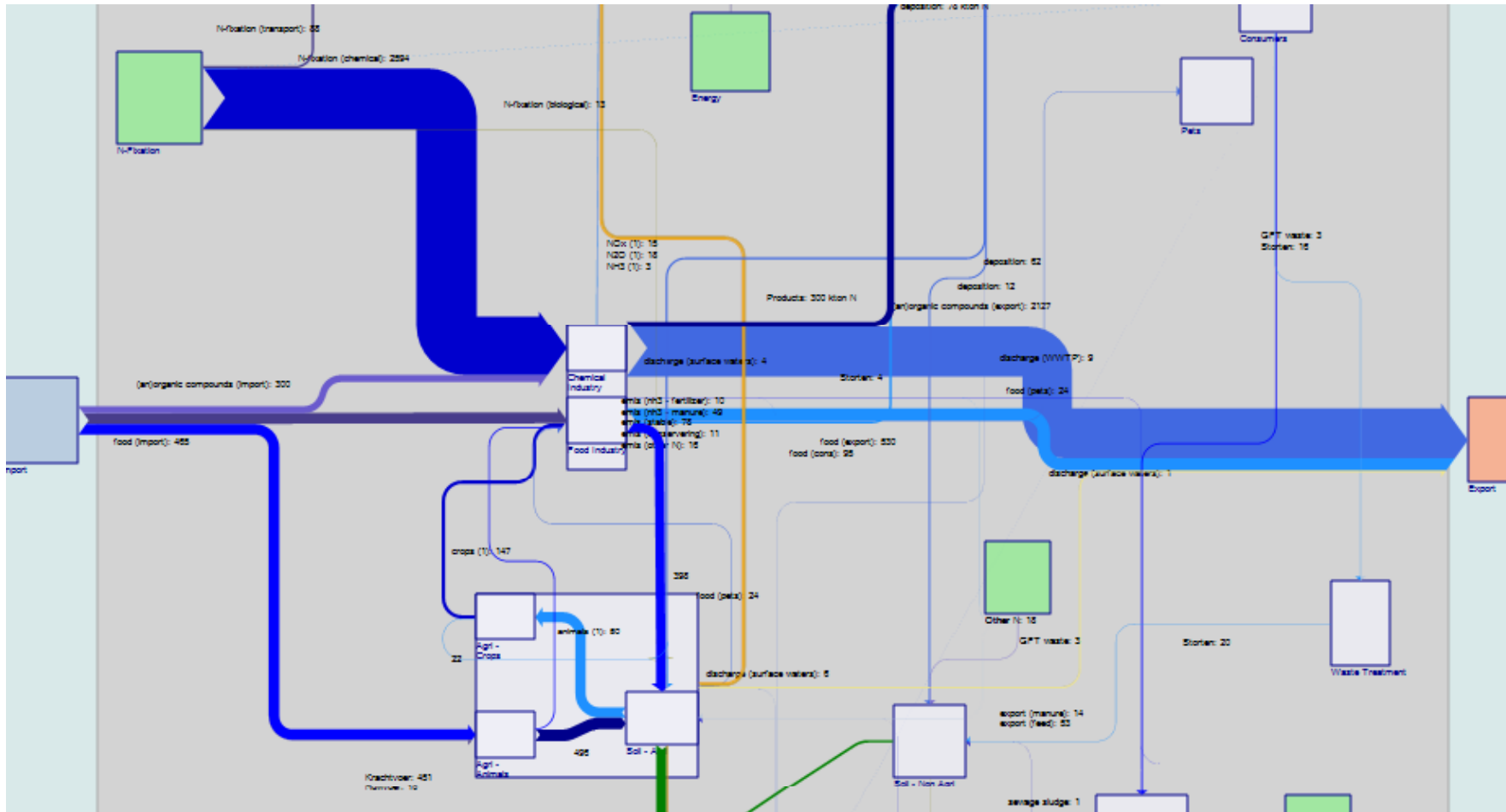
NL budget and need for structure



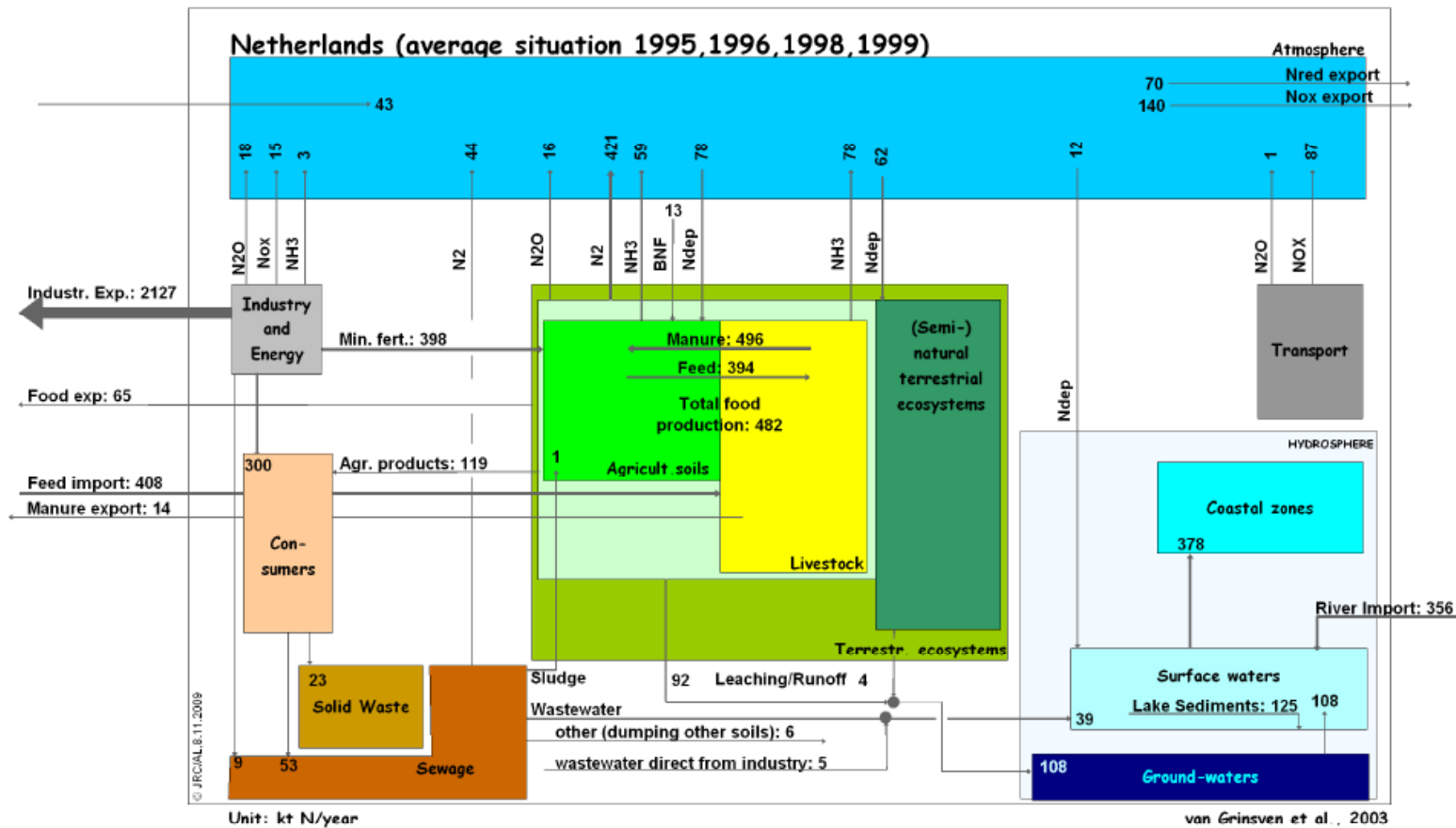
What did we have?



Another one



There was ENA (& Adrian)



TEMPLATE FOR REGIONAL/NATIONAL N-BUDGETS

Version 4, 2009-04-28

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Purpose: Compile data to construct national/regional nitrogen budgets

Sheet 'data' Please enter information of your N-budget according to the example below

Enter the **name** of your N-budget, for example your country, country and year etc. (e.g. Europe (2000)). This will be written on the top of the figure

Enter **additional information**, e.g. main data source, model etc. This will be written on the bottom of the figure

Rounding of the numbers in the Year the value refers to

Europe Primary reference
 ENA-European Nitrogen Budget Original data
 Note: xxxxxx

Value	Comment in figure	Quantitative uncertainty/range	Level of confidence	Comment	Year	Reference	Source
Emissions of NO _x							
Total emissions							

Additional text that will be displayed with the legend. Please use only in exceptional cases (space is limited)!!

OPTIONAL: enter uncertainty value or range.

Enter any comment to your value, e.g. if your numbers does not exactly fit how you understand the definition (col. B), the calculation if it is based on other numbers already entered etc.

Definition of the numbers to be inserted. Note that only the grey shaded fields will be shown in the figure! In many instance, you have the option to enter the data in different 'splits' (for example total depotion by compound (reduced/oxidized) or ecosystem or both) etc.- read carefully all the list before deciding where to enter your data. *In case none of the definitions fits, you can enter a new row (and describe the new definition) - it will be added to the figure later*

OBLIGATORY: enter confidence level according to the IPCC AR4:

1 → very low (1 out of 10 chance of being correct)	25	255	255
2 → low (about 2 out of 10 chance of being correct)	50	230	230
3 → medium (about 5 out of 10 chance of being correct)	120	150	150
4 → high (about 8 out of 10 chance of being correct)	30	100	100
5 → very high (at least 9 out of 10 chance of being correct)	0	0	0

The arrows in the figures will be shown in different shadings of grey as shown above. Missing confidence levels will be put to "low"

		0	Yourcountry					3
			Yourname					
			Note					
			See sheet "readme" for explanations!!					
			Value [kt N]	Comment in figure	Quantitative uncertainty/range	Level of confidence	Comment	Year
								Reference
			- Total deposition to coastal zones					
			- Deposition other					
			<u>Hydrosphere</u>					
			Total diffuse input (leaching and run-off) to rivers/groundwater (no denitrification, this number should be the sum of N losses from agriculture + terrestrial ecosystems)					
Input			- Total diffuse input (agri+natural) to groundwater					
Split input			- Total diffuse input (agri+natural) to rivers					
Split input			Total point input to rivers (sewage net of denitrification plus direct input below) + deposition to inland surface waters					
Input			- Direct discharge from industry households to rivers					
			- Direct discharge from industry to rivers					
Input			- Direct discharge from households to rivers					
			- Outflow groundwater --> rivers					
Input			River import from other countries					
Output			River export to other countries					
Output			Sediments in lakes and/or estuaries					
			- Remaining (sedimentation)					
			- removed					
Output			Total denitrification surface water + groundwater					
			- Total N2 from rivers and groundwater					
			-- Emissions N2 from groundwater					
			-- Emissions N2 from rivers					
Output			Emissions N2					
			- Total N2O from rivers and groundwater					
			-- Emissions N2O from rivers					
			-- Emissions N2O from groundwater					
Output			<i>Alternative split of total denitrification</i>					
			- Total denitrification from groundwater					
			- Total denitrification from rivers					
			<u>Coastal zone</u>					
			Rivers/groundwater to coastal zone					

