RC1 - National (& regional) N budgets

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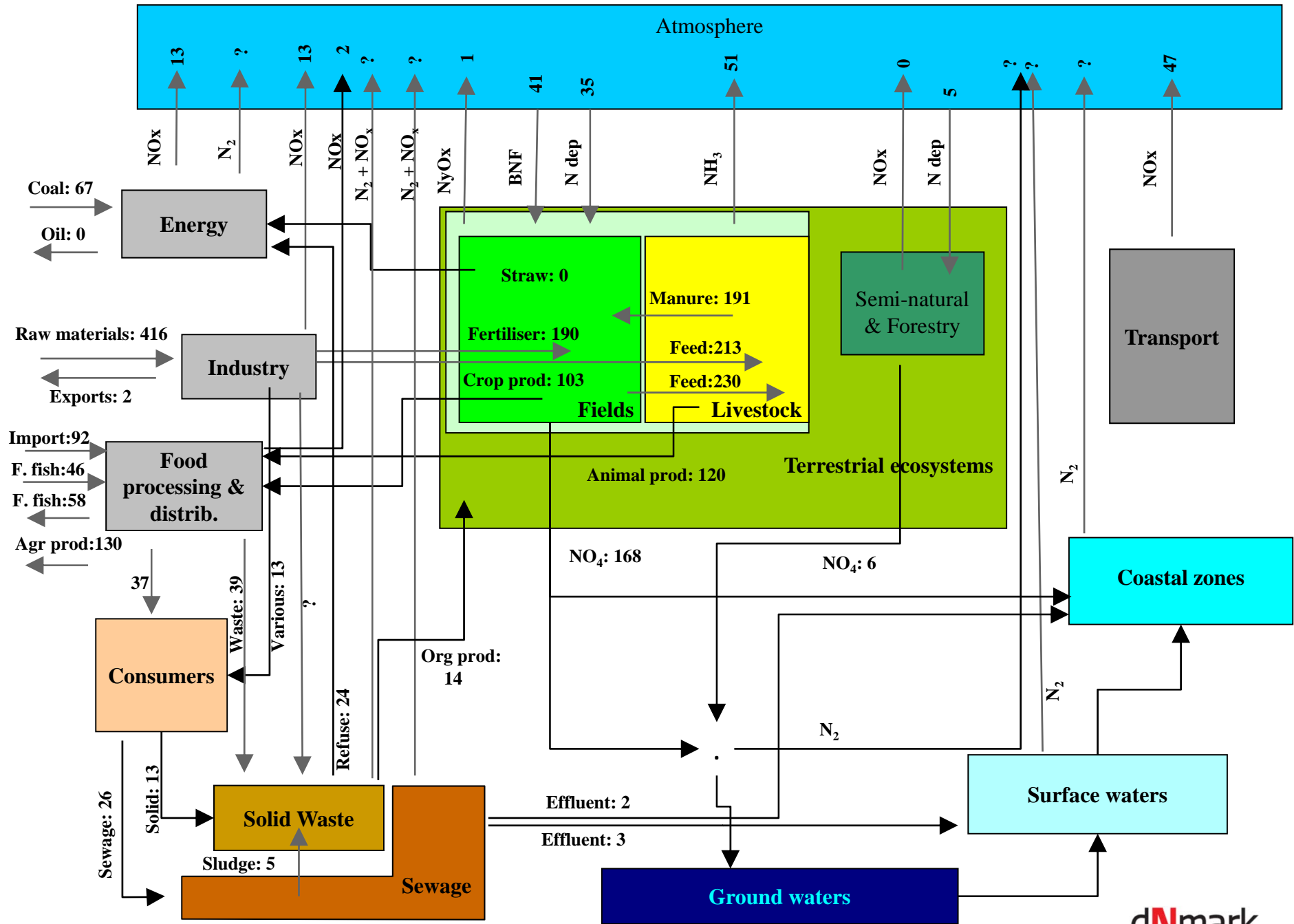
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Objectives

- Quantify the major flow paths for N
- Create a framework for discussions with stakeholders
- Create context for detailed studies
- Methodological development

Strategy

- ## First year
  - Provisional national N budget
  - Initial top-down regionalised agricultural budget
  - Begin scenario discussions
- ## Subsequently
  - Improve national N budget
  - Develop bottom-up agricultural N budget
  - Evaluation and further development of scenarios

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Sources

- Statistics Denmark
- Publically-available reports
- Scientific literature
  - Scientific papers
  - Reports
- Internet

Results

- Some flows could not be estimated (at this time)

N budget not closed

	kt N	%
Inputs	467	
Outputs	131	28
Losses	164	35
Unexplained	172	37

Results

- Some flows could not be estimated (at this time)
- Major sectors:
  - Agriculture
  - Food processing
  - Fisheries?

Issues

- Industry – very diverse
- N_2 emissions are difficult to quantify
  - terrestrial ecosystems
  - aquatic ecosystems
  - wastewater treatment
  - combustion
- Flows in aquatic ecosystems

National N budget - future

- Need for more structured data storage
- Greater detail
  - e.g. urban areas
- Will require some assistance
  - Detail = knowledge, pitfalls, data
  - Implementation of measures

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