Wilfried Winiwarter, Albert Bleeker (co-chairs)

Task Force on Reactive Nitrogen

Expert Panel on Nitrogen Budgets – 3 (Prague meeting)

report to TFRN

EPNB Agenda

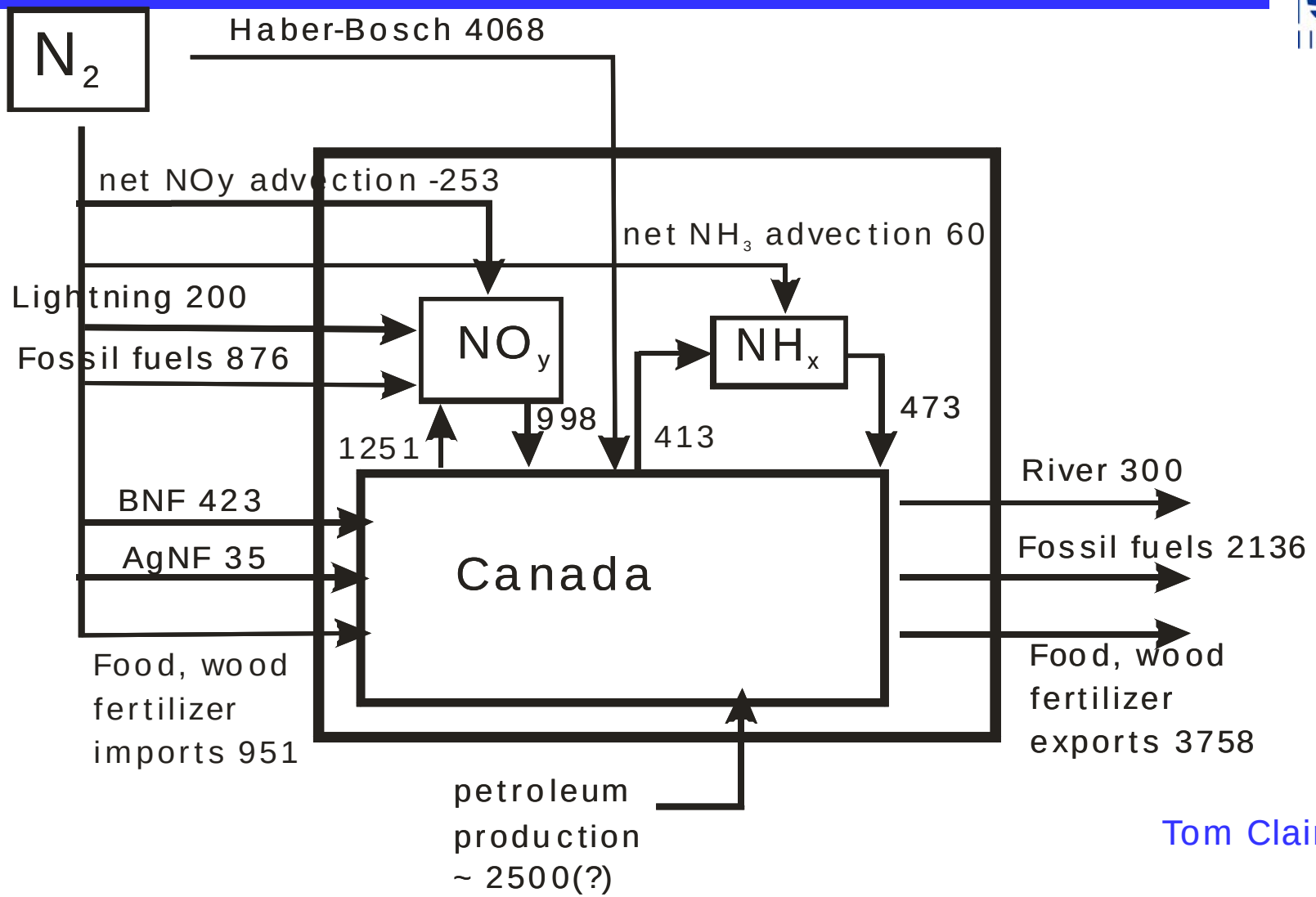
A) Reports from related activities

B) Country budgeting reports

C) Status of N-budgeting guidelines

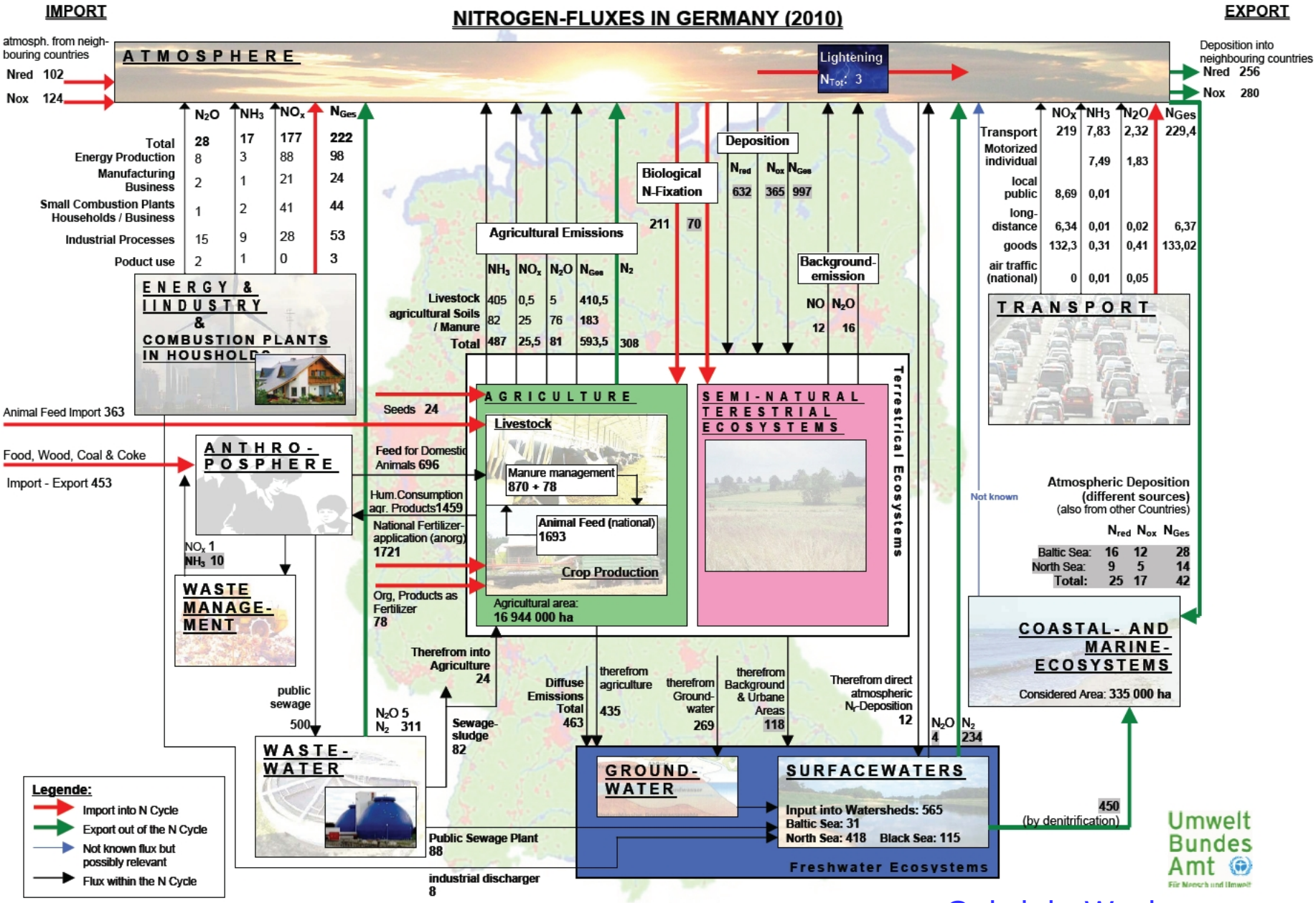
D) Status of farm level budgets and their relationship to options as presented in Annex IX

Simplified N budget for Canada



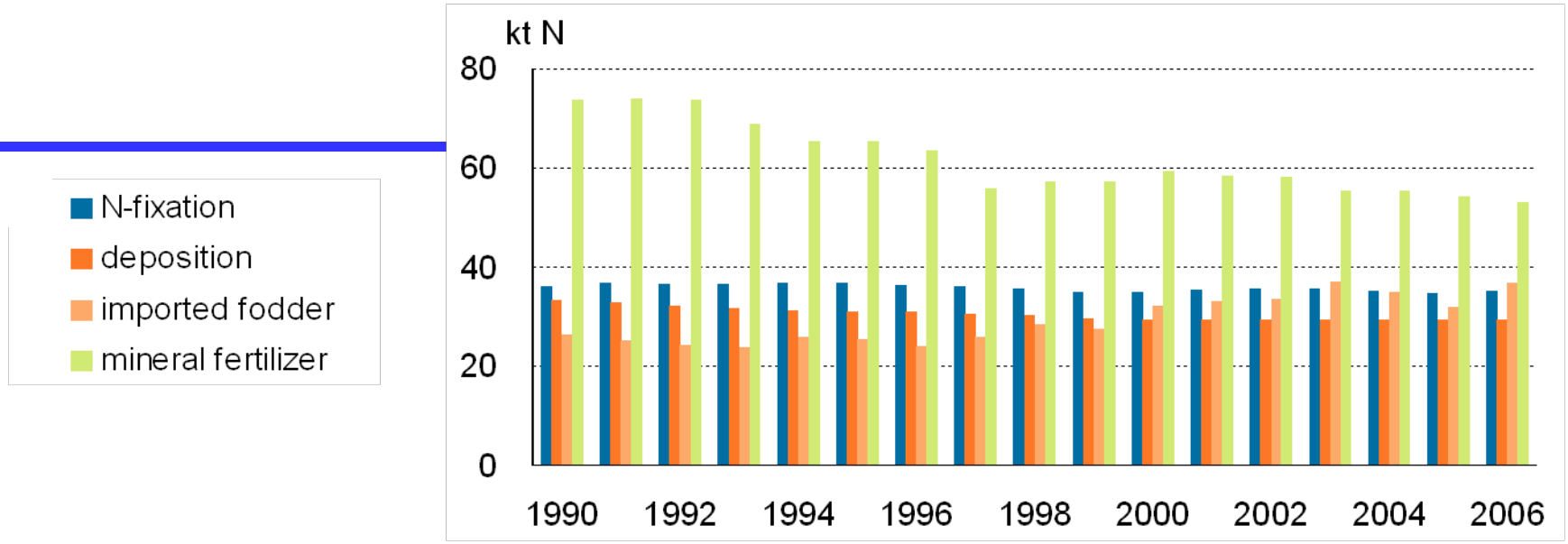
Tom Clair

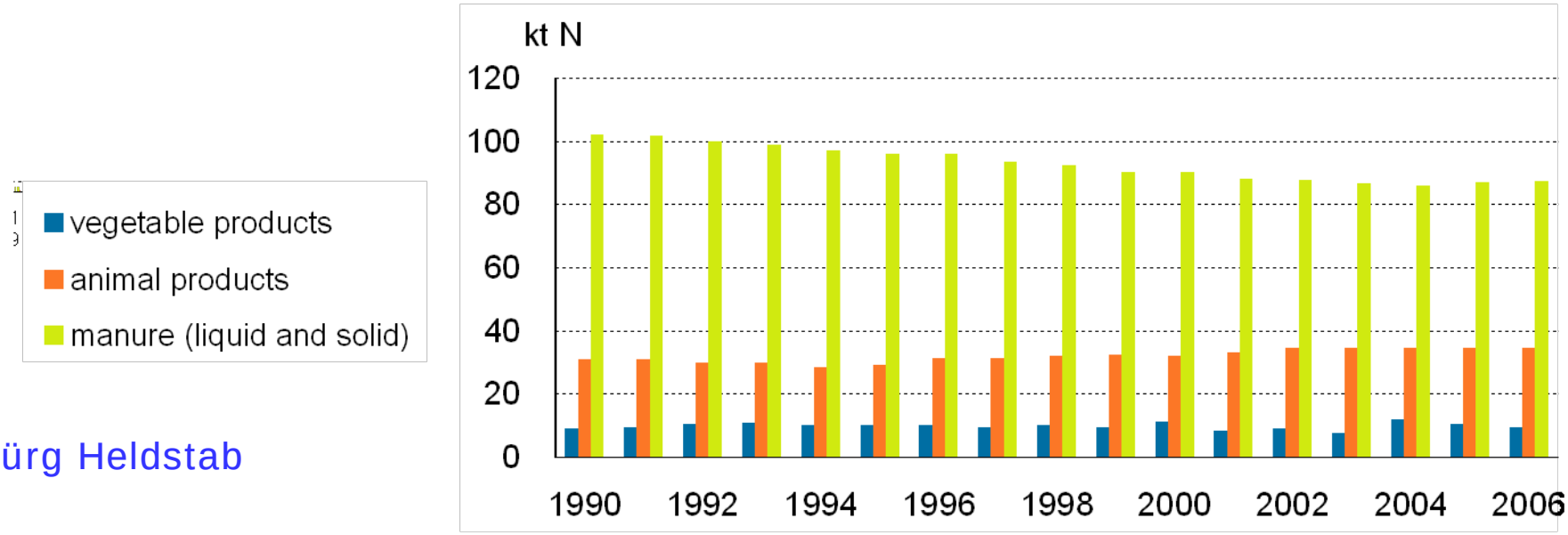
Preliminary results: national N-budgeting map (Gg/a)



Gabriele Wechsung

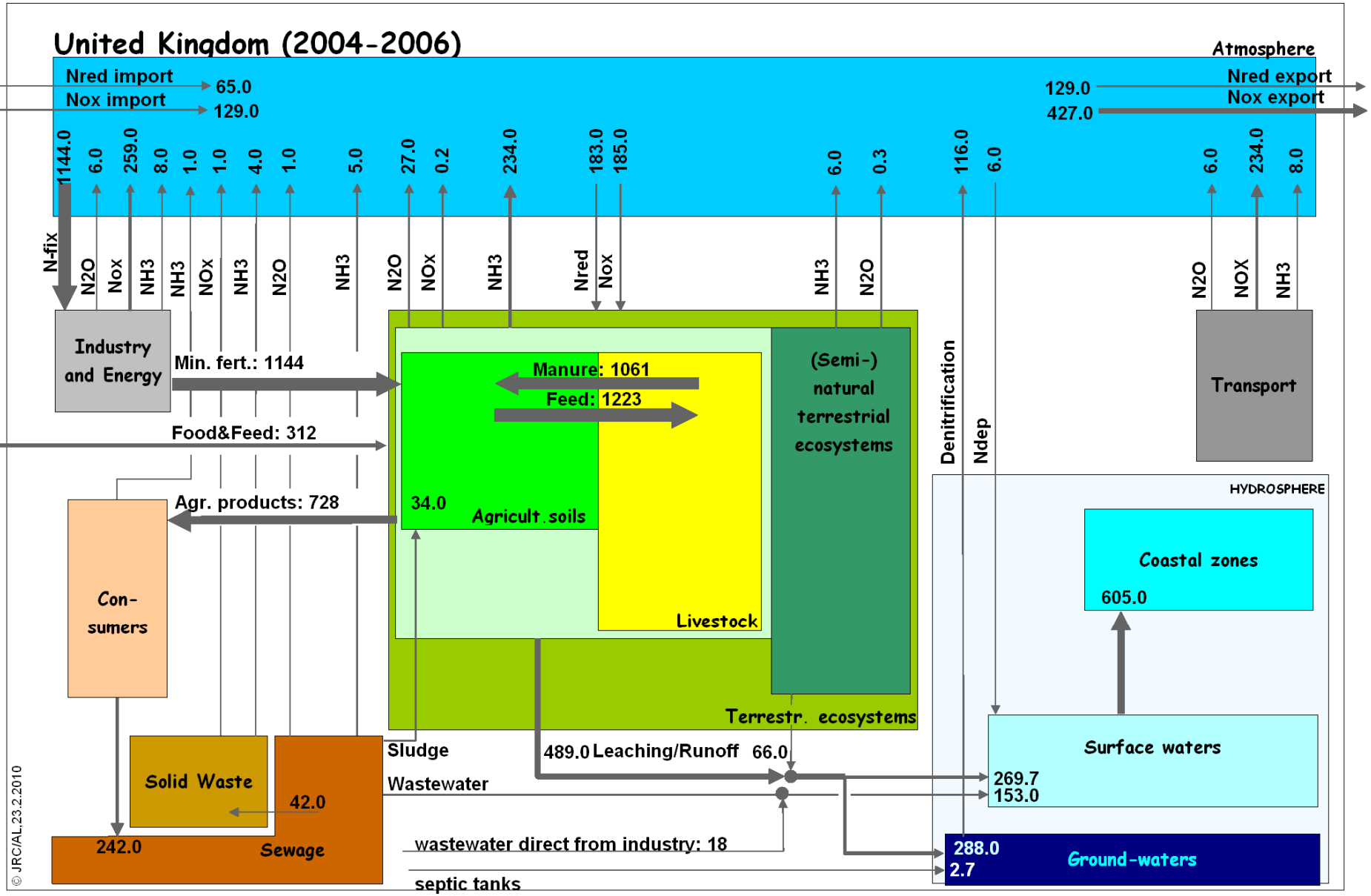
Swiss Trends 1994-2005





Jürg Heldstab

UK budget on EPNB template



Penny Johnes

Policy use of national budgets

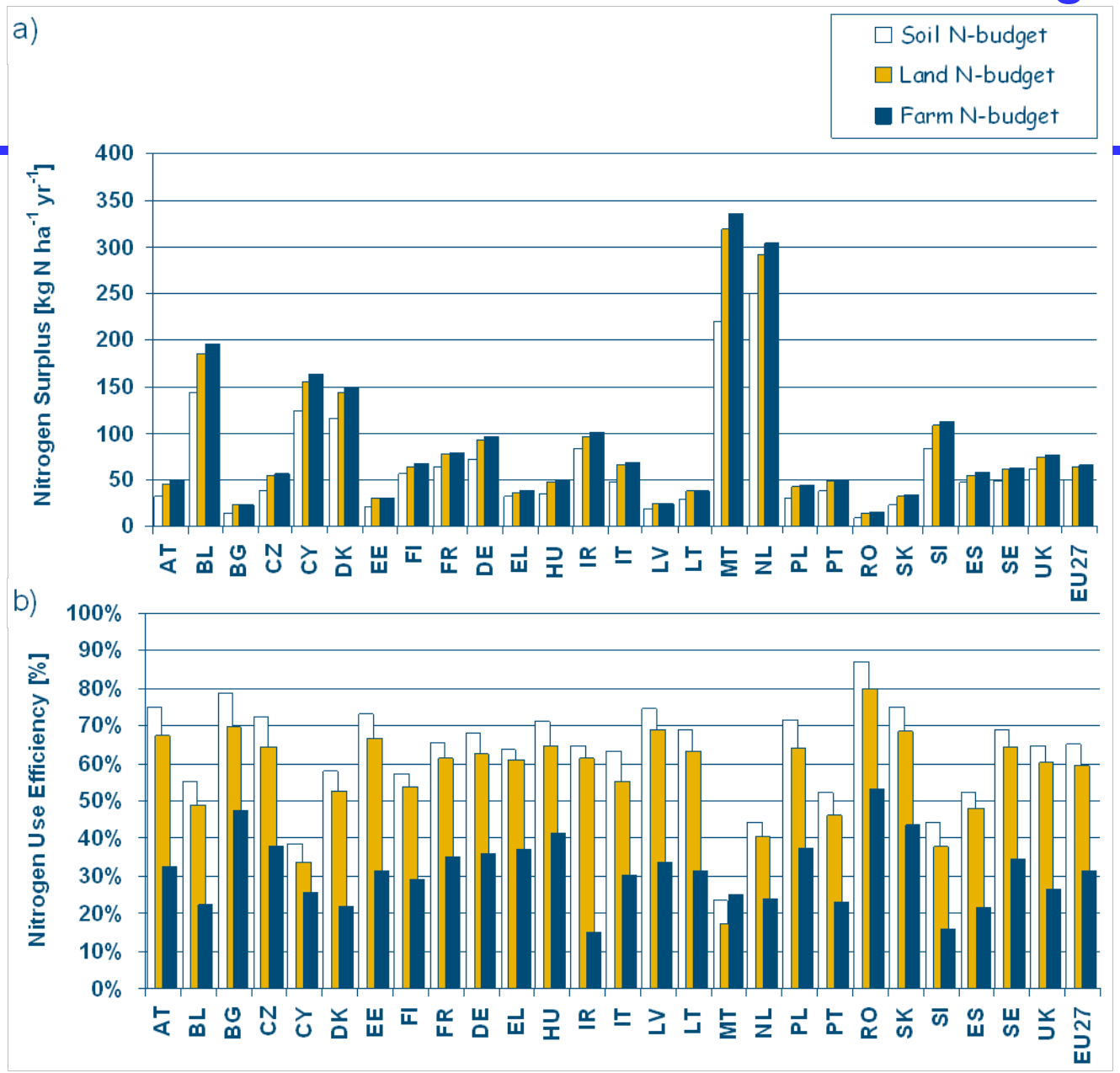
- Use as quantification tools (compare fluxes)
- Scenarios
- Communication tool
- Identify intervention points
- Extract indicators

National budgets for management

- Indicators
  - Total NH3 vs. NEC
  - Deposition vs. Critical loads
  - Limits to fertilizer application

- The latter would require also spatial resolution

NS/NUE for farm, land and soil N-budgets



Wim
de Vries

Contributions to Annex IX

- Farmgate balances for demonstration farms using OECD methodology
  – extension possible if needed

- No possibility to define “level of high efficiency” – also as strongly dependent on specific country and sector /farm situation (animal vs. plant production) – instead results of reports (and improvements) would create benchmark

- National budgets: clearly indicators can be extracted – available results from countries would constitute a benchmark.

Workplan 2010/11

- Improve on calculation template (web-based)
- Provide guidelines (description / methodology)
- Liaise with OECD – OECD/EUROSTAT/EPNB-TFRN meeting in fall (details to be determined)
- Reference to OECD farmgate-balance in guidance document

- Long – term perspective: see previously

Long term targets

- Pool changes ↔ N_2 emissions
- Time lag

} Dynamic system

- Local / regional budgets (Spatial differentiation)
- Validation; QA/QC on inputs