N Balance WG92

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:: Institutional Members WG92 at Umweltbundesamt Wien | ch BUWAL Bern | de UBA Dessau, LUBW Karlsruhe, FAL Braunschweig, FVA Freiburg, LAP Forchheim, LAChemie Stuttgart, LUFA Karlsruhe, LUA Brandenburg | fr: ASPA Strasbourg

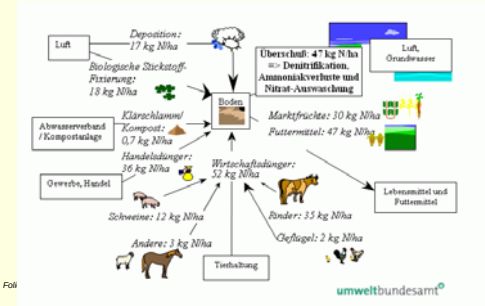
Resolution U9-2

To start working on the balancing immediately, the Community is setting up substance balancing working groups. Substance No. 1: Nitrogen (WG92). Anthropogenic nitrogen content is important for changes to species and ground water changes. WG92 is to investigate acids and macro-substances at a later date.

N balance and directives

- **Air Policy** e.g. TALuft
- **Nature policy** FFH Directive 92/43/EWG
- **Water policy**
- **Manure policy**

N area balance | example at



WG92 N balance: work

Acrobat-Dokument

Brainstorming (finished) | Starting document ID U911-SN-GDBW01-de for Baden-Württemberg with 47 Facts/Statements

Filling of data gaps (running) from other areas

Harmonisation of the structure (running) with WG141, WG91, WG93 | structuring according to eJournal (spheres & fluxes) and spatial structure

Extraction (running) of a cross-border N balance paper

WG92 discussion abstract

N depositions are mainly anthropogenic - has not been reduced since more than 1 decade - animal production and traffic are the main N source

N cross media metabolism (NH_3 plant interception and N_2O gas emission) still is in discussion

N induced biodiversity changes are not yet mapped

N denitrification is a open balance question, the total importance of atmospehric N deposition for groundwater quality is not clear

N pool in Pedosphere and Hydrosphere increases under forest – long term observation data is insufficient