Data on Nutrients to Support Stewardship
Workshop – Gent, 3-4 Sept 2015

Take-outs day 1

What data is missing?

- **Nutrient concentrations, forms**

- **Quality information:**
  concentrations, process input materials, contaminants

- **Data issue on some agriculture flows:**
  e.g. grassland, losses/runoff

- **Regional level**

- **Recyclable flows / waste (or data not accessible)**

Take-outs day 1

To support which objectives?

- Support nutrient stewardship for Circular Economy
- Critical Raw Material(s) MSA
- Footprints, sustainability indicators, LCA
- Identify nutrient hotspots for industry markets / actions
- Transform existing data into useable information
- Feedback to data producers to improve data

Take-outs day 1

Challenges

- **Much data is estimative, modelled, uncertain**

    … but coefficients are site specific

- **Data is often not up to date**

- **Eurostat / Member State decreasing budgets**

- **Loss of trade statistics with single market**

- **Member States reluctance to harmonise & transmit**

- **Different industries have different objectives**

- **Future technologies may modify data needs**

Take-outs day 1

What is already there which can help?

- **EEA reports on: agri-environment indicators ecosystems, natural capital, food system**

- **Industry: performance indicators**

- **EU regulation implementation (requirement to monitor)**

- **Agriculture and food industry:
  - BEMP, BAT, sustainability indicators …**

- **Increasing local/user data (farmers, food) = "big data"**

- **Collate existing project data, e.g. DIREDATE**
- **Identify other data sources to transpose, e.g. bio-energy**
- **Stakeholder & EU inter-service dialogue :
data needs / available / collation - Involve data processers**
- **Identify existing monitoring where nutrients may be added**
- **Define which EU Directives/policies need or generate data including links to other sectors (air, energy …)**
- **Identify standards needs (CEN …)**
- **Big data processing: e.g. farmer nutrient balances – IT platform from farmers / data transfer**
- **Map what is where / visualisation / hotspots**
- **Putting into contact – identify what can be really used (where, detail, inter-sector exchange of info)**
- **Define "recovered" P (and how to measure)**

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