

# The role of EURISCO in a European Evaluation Network

PPP Workshop, 27–28 March 2018, Rome

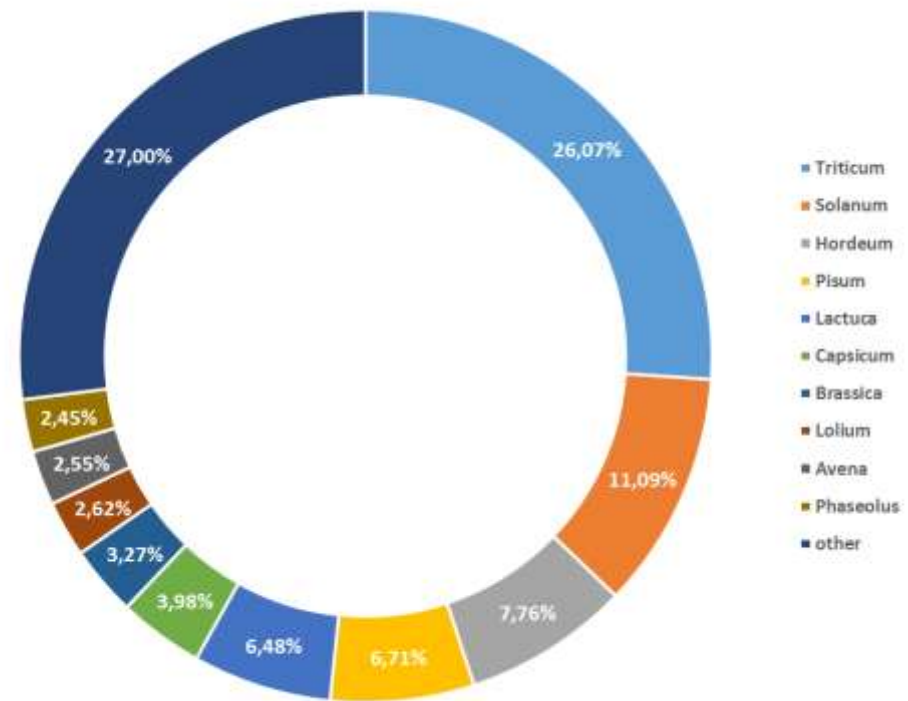
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# STATUS QUO OF C&E DATA IN EURISCO

# C&E data in EURISCO

- Extension available since summer 2016
- Currently, 1,652,895 records of data from seven countries
  - Czech Republic
  - Germany
  - Latvia
  - The Netherlands
  - Poland
  - Romania
  - United Kingdom
- 68,821 accs. with C&E data



As of 2018-03-19

# Well known challenges

- Difficult to handle due to lots of “standards”:
  - Different descriptor names/synonyms
  - Different rating scales
    - Nominal, ordinal, metric scale
  - Different amounts of meta information
    - When, where, how, by whom?
    - Experiment set-up, treatment etc.

# Current EURISCO Approach

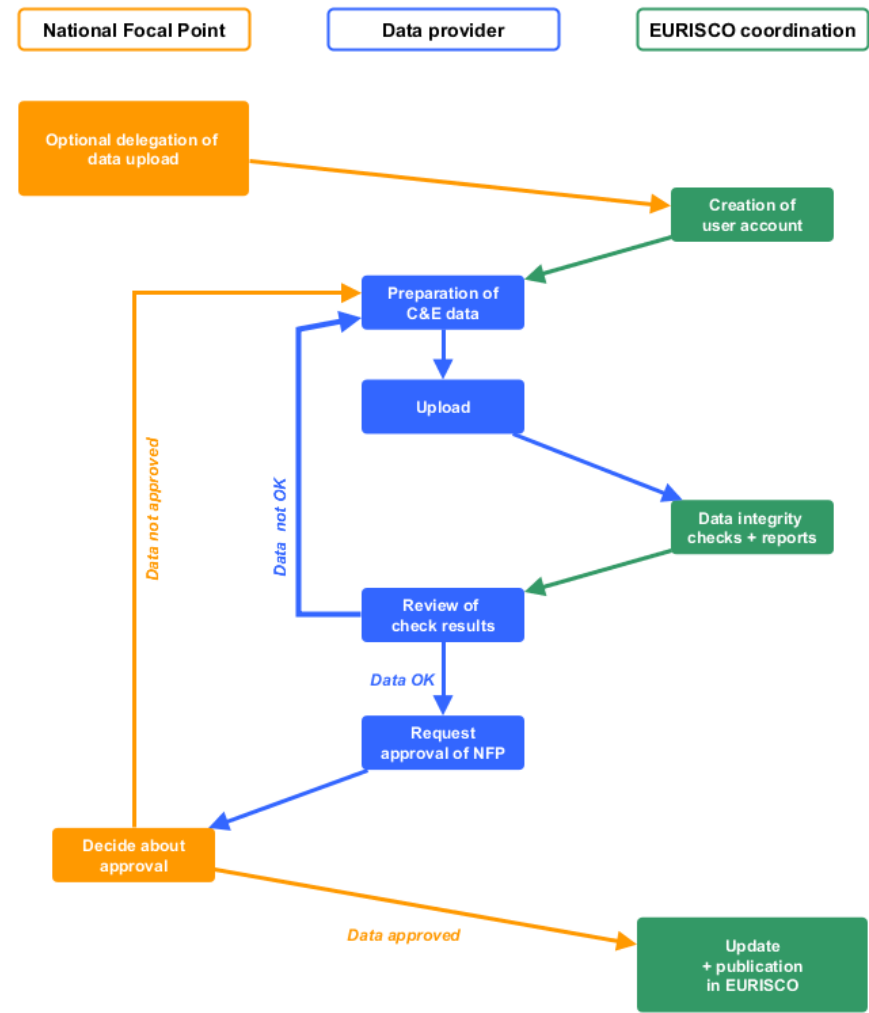
- Result of discussions of previous years
  - Suitable proposal compiled within the ECPGR Doc&Info working group
  - Pragmatic approach: Import of existing data as-is to reach critical mass
    - No standardisation of trait, scale or experimental design
    - Only standardisation of exchange format
      - As simple as possible
      - As few fields as possible
- “minimum consensus”

# Data model for C&E data



# Proceeding for data upload

- Prerequisite:
  - Only non-confidential C&E data
  - Only data of accessions listed in EURISCO
- Impact
  - NFPs responsible for data upload (Data Sharing Agreements)
    - May nominate users for (sub) accounts for data uploads
    - NFPs must approve data before publication
- Data formatting
  - According to exchange format in MS Excel (.xlsx) files
- Upload via EURISCO intranet



# Data upload in three steps

File parsing and upload via Java tool

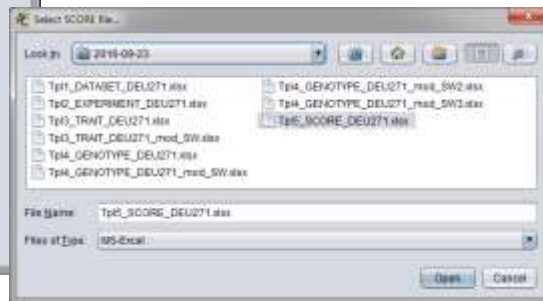
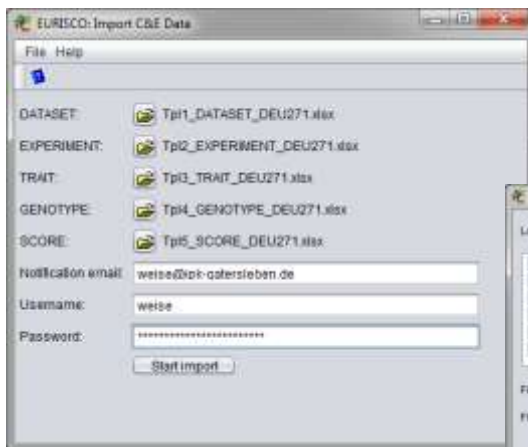
- data owner

Data integrity checks

- EURISCO management

Approval / withdrawal of data for publishing on the EURISCO website

- *data owner/NFP*





# ROLE OF EURISCO

# Support data harmonisation

- Harmonisation of experiment set-up, treatment etc.
  - Minimum approach: better description, e.g. MIAPPE
  - Desirable: harmonised protocols
- Structuring of traits/methods/scales aiming at standardisation
  - Should be discussed by crop experts (ECPGR crop working groups) → focus on most active groups at the beginning
  - Mapping onto ontology terms, e.g. Crop Ontology
- Input of EURISCO coordination
  - Provision of experiences from pre-breeding projects
  - Support for mapping of traits, e.g. tools

# Support data management

- Provide an intranet platform for project partners
  - Use existing infrastructure for C&E data (in a separate intranet)
    - Exchange format
    - Upload and check tools
  - Extension for privileged access (data embargo period)
    - Data could be published automatically after expiration
  - In principle, also non-EURISCO material could be managed
    - How to handle this data after embargo period?
  - Funding?
    - Development of extensions by means of a third-party project
    - Development in the frame of the regular EURISCO funding

# General support

- Provide a supporting documentation unit
  - Templates
  - Standards
  - ...
  
- Training + helpdesk



**THANK YOU FOR YOUR  
ATTENTION**