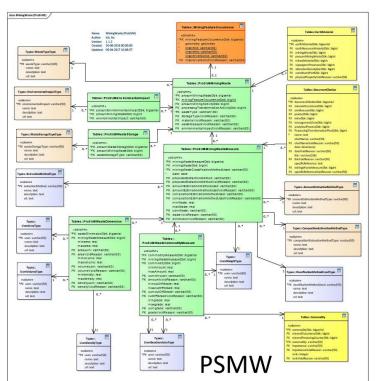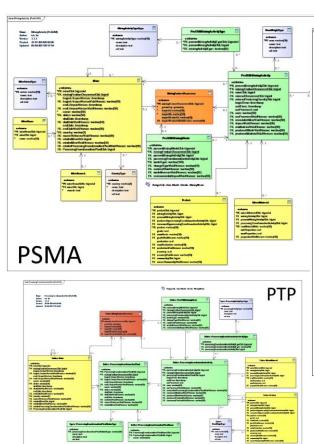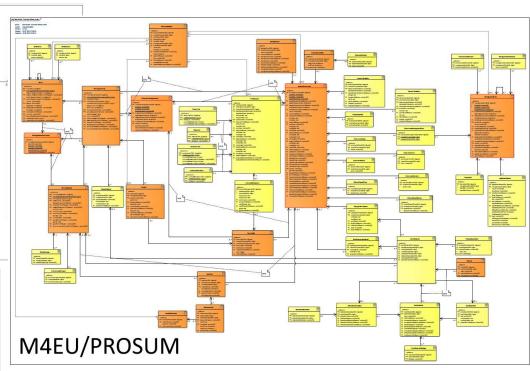**c) errors within harvesting system and/or inconsistent national data input***

Harvesting process DB – Prosum Deliverable 5.5 Data models and code lists:

PSMW

PSMA

PTP

M4EU/PROSUM

Importance of Insert data guidelines – G4.1.02.xx: Mineral Occurrence, Mine, Mining Waste Ext., ...

c) **errors within harvesting system and/or inconsistent national data input***

Harvesting process description:

The harvesting process is a sequential process with several modules, where all M4EU/PROSUM tables are loaded, attending to the interdependencies between them:

- MappedFeature – in this module several tables are loaded, such as mineraloccurrence, earthmaterial, commodity, alterationdescription, etc;

- MiningFeatureOccurrence – records are inserted into MFO, depending on their source:

MI, MA, MW, PSMA, *PTP, PSMW, PTA;*

Harvesting process description (cont.):

- - Mine and MiningActivity modules – loading tables such as mine, miningactivity, miningwaste and related tables;

  - ManagementZone, Specimen, Product_Extension modules – loading auxiliar tables;

  - Final Modules: PSMA, PTP, PSMW…

- The Final log message:
  M4EU & Prosum harvesting for provider code XX started at AAAAMMDD-HHMM and finished at AAAAMMDD-HHMM

c) **errors within harvesting system and/or inconsistent national data input***

Harvesting process - current main issues:

- The harvesting process has no builtin process to check for success control, therefore each country needs to manually validate if all tables have been completely uploaded or not (compare # records);

- PT was failing to load records for table prosumminingactivity due to an outdated deegree configuration xml file (m4eu.xml). When this problem was solved a new problem has appeared, related to a date field in PTP, causing the harvesting process to stop at an earlier stage. As a workaround, we have removed the contents of the erroneous fields and this problem has been skipped in the last execution of the harvesting process (12th Sep);

- We believe that PT is not the only country to have this problem with PTP because the last executions of the harvesting process, executed for around 25 countries, only showed 9 countries with records in table prosuminingactivity and 2 countries (Ukraine and Croatia) with records in table processingtransformationplant. It is important to mention that none of these 2 countries appears to have a similar situation to ours;

Harvesting process - current main issues (cont.):

- The current error situation in PT harvesting process (2019.09.12):

INSERT INTO processingtransformationplant (processingtransformationplantdbk, miningfeatureoccurrencedbk, name, status, country, beginlifespanversion,beginlifespanversionvoidreason,endlifespanversionvoidreason,startdate,startdatevoidreason,enddatevoidreason,cc)

VALUES (3511,

          (SELECT miningfeatureoccurrencedbk FROM miningfeatureoccurrence

                     WHERE inspireid LIKE '6031' and cast(miningfeatureoccurrencedbk as text) LIKE '351%'),

          'Sapec – Setúbal',

          'operating','

          PT',

          null,\$\$parsingerror\$\$,\$\$parsingerror\$\$,\$\$1926-01-01T00:00:00\$\$,null,\$\$unknown\$\$, 351);

-- **ERROR: null value in column "miningfeatureoccurrencedbk" violates not-null constraint**

 Detail: Failing row contains (3511, null, null, parsingerror, null, parsingerror, Sapec - Setúbal, operating, 1926-01-01 00:00:00, null, null, unknown, null, null, PT, 351).