The proposed file name convention will be applied both to raster HRLs and associated reports throughout the processing chain. It is based on the following HRL descriptors.

'country'
'theme'
'projection'
'resolution'
'extent'
'coverage'
'processing stage'

What about **LOT number??**
On the one hand a Lot identifier would be an additional piece of descriptive information, but on the other hand it makes a long file name even longer.
Any script can be written to associate ISO country codes with lots.
The verification/enhancement portal does not filter HRLs on Lots, and our (EEA) in-house path-based file system does not either.
Decision: No Lot Identifier in file name.

COUNTRIES
EEA MEMBER COUNTRY
'at', "Austria",
'be', "Belgium",
'bg', "Bulgaria",
'cy', "Cyprus",
'cz', "Czech Republic",
'dk', "Denmark",
'ee', "Estonia",
'fi', "Finland",
'fr', "France",
'de', "Germany",
'gr', "Greece",
'hu', "Hungary",
'is', "Iceland",
'ie', "Ireland",
'it', "Italy",
'lv', "Latvia",
'li', "Liechtenstein",
'lt', "Lithuania",
'lu', "Luxembourg",
'mt', "Malta",
'nl', "Netherlands",
'no', "Norway",
'pl', "Poland",
'pt', "Portugal",
'ro', "Romania",
'sk', "Slovakia",
'si', "Slovenia",
'es', "Spain",
'se', "Sweden",

'ch', "Switzerland",
'tr', "Turkey",
'gb', "United Kingdom",

EEA COOPERATING COUNTRY
'al', "Albania",
'ba', "Bosnia and Herzegovina",
'hr', "Croatia",
'me', "Montenegro",
'mk', "Macedonia, FYR of",
'rs', "Serbia",
'xk', "Kosovo",

THEME
3-letter abreviations of processing stage, including 2 additional support layers:
'imd', "Imperviousness Degree",
'imc', "Imperviousness Change",
'tcd', "Tree Cover Density",
'fty', "Forest Type/Dominant leaf type ",
'fad', "Forest Type/Additional Support Layers ",
'gra', "Permanent Grassland",
'gad', "Permanent Grassland/Additional Support Layers ",
'wet', "Wetlands",
'pwb', "Permanent Water Bodies",

PROJECTION (3-letter abbreviation)
'ntl', "National",
'eur', "European",

PROJECTION ZONE ("z"+2-digit sequential number, incrementing from west to east)
This is necessary to deal with countries are split into different projection zones, such as Spain and Germany, which cannot be spatially integrated in national projection.
'z01', "Western-most zone",
'z02', "second western-most zone ",

RESOLUTION (3-digit+"m")
'020m', "20m",
'025m', "25m",
'100m', "100m",

EXTENT (four-letter abbreviation +sequential part number)
'full01', "Full country coverage",
'part02', "Partial country coverage, part 2",
'comb01', "Verification reports combining > 1 partial extent deliveries"
The sequential part number is used to avoid the case where two partial deliveries covering the same proportion of the country (e.g. 30%) end up with the same file name.

The file naming system will have to be flexible enough to deal with 3 delivery/processing scenarios:

1. Full country coverage HRL is delivered as an intermediate product, and goes through the production chain (Verification, Enhancement and Integration).
2. Multiple partial country coverage HRLs are delivered as intermediate products, and go through the production chain separately, maintaining a 1 to 1 relation between each delivery and its associated reports and enhanced product (up to, but not including Final Integration, as there is no longer a 1 to 1 relation between deliveries and final product in the case of multiple partial deliveries).
3. Multiple partial country coverage HRLs are delivered as intermediate products, but at the verification stage NRCs/SPs can produce a report that covers multiple partial intermediate deliveries. This verification report will include a list of the input partial intermediate deliveries verified.

Note that no spatial integration of HRL raster products is envisaged prior to the Final Integration stage.

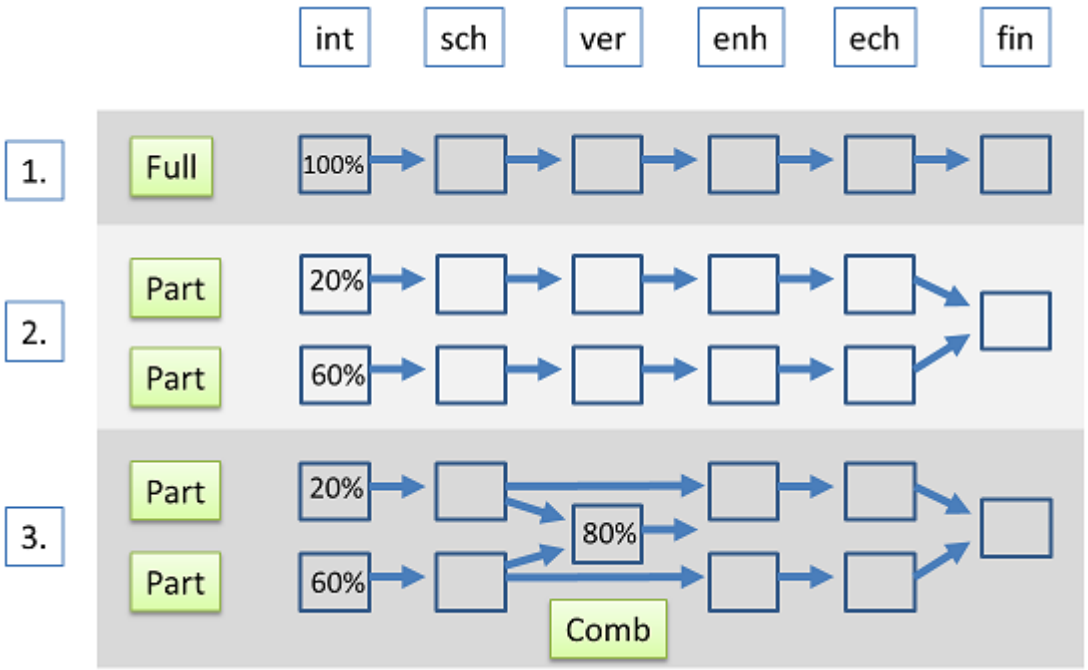

Figure 01 - processing scenarios (ech above refers to Enhancement Check)

COVERAGE (3-digit percentage - represents the proportion of the country covered by the HRL)
e.g. '094', meaning "94% of country extent"

PROCESSING STAGE
'int': "Service provider upload",
'sch': "Semantic check",
'ver': "Verification",
'enh': "Enhancement",
'fin': "Final integrated"

VERSION NUMBER
It is necessary to specify a version number at the intermediate, enhancement and verification stages, as these are the stages which are subsequently checked.
'01' "Version 1"
'02' "Version 2"

Note that, although verification checks and enhancement checks will be carried out, they will not produce a written report, but will be an 'Accept'/'Reject' decision. In the case of a 'Reject', the reasons will be communicated to the verification or enhancement teams and service providers via email, and the verification or enhancement products and reports re-iterated. Verification will be rejected if the work is deemed to be insufficient or not in line with the Guidelines/template.
All stages that are followed by a check will have to be re-iterated if rejected.

Example HRLs file names:

bg_imd_ntl_z01_020m_part01_094_int01.tif
translates to:
Bulgaria, Imperviousness Degree, National projection, projection zone 1, 20m resolution, Partial country coverage part 1, covering 94% of country, Service provider upload version 1.

bg_imd_ntl_z01_020m_part01_094_int01_enh01.tif
translates to:
Bulgaria, Imperviousness Degree, National projection, projection zone 1, 20m resolution, Partial country coverage part 1, covering 94% of country, Service provider upload version 1, Enhancement version 1.

The associated Semantic check report will be:
bg_imd_ntl_z01_020m_part01_094_int01_sch.pdf

The associated Verification report will be:
bg_imd_ntl_z01_020m_part01_094_int01_ ver01.pdf

The associated Enhancement report will be:
bg_imd_ntl_z01_020m_part01_094_int01_enh01.pdf

Final integrated products are spatially integrated country-wide HRLs.
The final integrated product in this case will be:
bg_imd_ntl_020m_fin.tif

Similarly
sk_tcd_ntl_z01_020m_full01_100_int01.tif
translates to:
Slovakia, Tree Cover Density, National projection, projection zone 1, 20m resolution, Full country coverage, 100% of country, Service provider upload version 1.

The final integrated product in this case will be:
sk_tcd_ntl_z01_020m_fin.tif

In the case where > 1 partial country coverage HRLs are combined into one verification report:
bg_imd_ntl_z01_020m_part01_060_int01.tif
+
bg_imd_ntl_z01_020m_part02_020_int01.tif

The combined verification report will be:
bg_imd_ntl_z01_020m_comb01_080_int01_ ver01.pdf

Similarly
de_wet_ntl_z03_020m_part01_25_int01.tif
Germany, Wetlands, National projection, projection zone 3, 20m resolution, partial country coverage, 25% of country, Service provider upload version 1. In this case, “z03” indicates that this is the third western-most projection zone for this country.
