**1 A\_run\_pheno.pro, compute pheno on lta**

It makes a bat to run pheno 4 times, with different input file:

pheno\_025035\_boku\_v1\_2018\_SOS.SPF: standard 0.25 for SOS and 0.35 for EOS

pheno\_025035\_boku\_v1\_2018\_SEN.SPF: used to define SEN time, computes with 0.25 for SOS and 0.75 for EOS

pheno\_025035\_boku\_v1\_2018\_MAX.SPF: same as standard (pheno\_025035\_boku\_v1\_2018\_SOS.SPF) but with larger max to exclude (If Ymax < FEN0Max => No seasonality (deserts)). Max typically set to 0.120

pheno\_025035\_boku\_v1\_2018\_RNG.SPF: same as standard (pheno\_025035\_boku\_v1\_2018\_SOS.SPF) but with larger range to exclude (If (Ymax-Ymin) < FEN0Rng => No seasonality (variability too low)). Range typically set to 0.048

**2 b\_harvest\_pheno\_and\_correct.pro**

Max and Rng runs set as no phenology those curve with small max and small range that we found typically associated with very long seasons in the Sahel. So the idea is that, if we have a long season but the pixel was excluded by Max and Rng runs, we remove it. The threshold is set to 15 deks now.

After that it takes the original pheno (from the various directories, normal and sen) copy in the out dir and suppress all the pixels selected above.

**3 Bbis\_suppress\_2nd\_seas.pro**

Here we have a crop mask and a raster with the units the method has to be applied to. It suppresses the winter season for crops in Europe mainly.

**4 C\_check\_pheno.pro**

It checks that there are no (or a few) artifacts in the resulting phenology.

**File naming:**

Posso specificare sia prefix che suffix

**1 A\_run\_pheno.pro, compute pheno on lta**

Out\_dir\ plus

pheno\_SOS\_sos\

pheno\_SOS\_eos\

pheno\_SOS\_range\

pheno\_SOS\_max\

In all dir same file naming (suffix possible)

**2 b\_harvest\_pheno\_and\_correct.pro**

\merged\_fixed\

Same file naming

**3 Bbis\_suppress\_2nd\_seas.pro**

\Filtered\_seasonality\

Same file naming

**4 C\_check\_pheno.pro**

\Filtered\_seasonality\

Same file naming