Folder structure and naming convention for assessment workflow

We’ll try to keep everything as similar to last year’s work as possible. The main change is about the folder structure.

1) Each stocks has it’s own folder with the naming convention [*STK*]\_[*GSA*] (3 letter stock code, underscore, GSA 2 number code) for example ARA\_01or NEP\_17\_18.

2) Each stock folder will be split in 4 folders:

* data\_preparation

All data preparation should be here, from the data call level, up to creation of stock and index objects. Save the stock input data just before run the final model as [*STK*]\_[*GSA*]\_STK.rds and the indices as [STK]\_[GSA]\_IDX.rds. For example ARA\_01\_STK.rds. The Rscript, which must be cleaned of any exploratory analysis, must be named [*STK*]\_[*GSA*]\_PREP.r

* model\_fit

Everything related with model fits, diagnostics, sensitivity runs and summaries should be here. Can be split into as many runs, or groups of runs, as necessary, the final run folder should be named “final\_run”. Save the updated stock object as [*STK*]\_[*GSA*]\_MODEL.rds (stk+fit) and the fit object [*STK*]\_[*GSA*]\_FIT.rds. The Rscript used to load input objects and run the final model, which must be cleaned of any exploratory analysis, must be named [*STK*]\_[*GSA*]\_MODEL.r

* ref\_points

Everything related with reference points. Save BRP object as [*STK*]\_[*GSA*]\_BRP.rds and, if the stock recruitment was fitted outside the model fit, save as [*STK*]\_[*GSA*]\_SR.rds. The Rscript, which must be cleaned of any exploratory analysis, must be named [*STK*]\_[*GSA*]\_RP.r.

* stf

Everything related with short term forecast. Save stock object as [*STK*]\_[*GSA*]\_STF.rds. The Rscript, which must be cleaned of any exploratory analysis, must be named [*STK*]\_[*GSA*]\_STF.r. STF final excel or csv file table (main output of the STF Rscript) should be named [*STK*]\_[*GSA*]\_STF.xls or [*STK*]\_[*GSA*]\_STF.csv and saved inside the “stf” folder.

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| --- | --- | --- | --- |
| folder | subfolders (mandatory) | R script | output objects |
| data\_preparation |  | [*STK*]\_[*GSA*]\_PREP.r | [*STK*]\_[*GSA*]\_STK.rds [*STK*]\_[*GSA*]\_IDX.rds |
| model\_fit | final\_run | [*STK*]\_[*GSA*]\_MODEL.r | [*STK*]\_[*GSA*]\_MODEL.rds [*STK*]\_[*GSA*]\_FIT.rds |
| ref\_points |  | [*STK*]\_[*GSA*]\_RP.r | [*STK*]\_[*GSA*]\_BRP.rds [*STK*]\_[*GSA*]\_SR.rds |
| stf |  | [*STK*]\_[*GSA*]\_STF.r | [*STK*]\_[*GSA*]\_STF.rds, [*STK*]\_[*GSA*]\_STF.xls or [*STK*]\_[*GSA*]\_STF.csv |

**If needed use the following gear codes:**

*Trawlers OTB*

*Trammel net GTR*

*Gillnet GNS*

*Longliners LL*

***All objects must to be saved as RDS***

**saveRDS(your object, file = " DPS\_5\_ESP\_STK.rds")**

**In case of others model e.g. SS3, SPICT, CMSY. Please still create the dedicated stock folder and save in all the scripts, data or whatever need to rerun the assessment. If possible use the same codification above.**