Program for the STICS course autumn 2021

Course and support will be held in English.
Timetables can be re adjusted depending on the final schedule and teacher's availability.
Time in CEST.

Wednesday 20 October

9h00-9h30: Welcome - General organization of the training - Introduction about the course - Brief self-presentation of all students and teachers
9h30-10h30: STICS overview. Water, Carbon (& Light) and Nitrogen cycles overview
10h30 Coffee time
10h45-12h15: Crop growth formalisms: explain how the model simulates the crop growth
Lunch
14h00-17:00: in break-out groups (informal, includes coffee time): JavaSTICS interface.

- Verification of installation and description of the Menu interface of JavaSTICS (All)
- STICS files, how to provide input data. Glossary of parameters (All)
- Outcome: explore mod_b and mod_s files: how to "read" them, and what are the principal results (All)
- Small exercises to manipulate the model and see inputs and outputs (use of examples usm to be efficient with simple manipulations to start) (Small Groups)

17h00-17h15: Debriefing of the day

Thursday 21 October

9h00-10h30: Soil processes formalisms : explain how the model simulates the soil functioning
10h30 Coffee time
10h45-12:15: Simulation of Water, Nitrogen and other abiotic stresses
Lunch
14h00-15h30: Practical work 1: Impacts of water and nitrogen stresses
15h30 Coffee time
15h45-16h45: Presentation of home work for Wednesday 27 October
16h45-17h00: Presentation of Tutorial to install R, RStudio and STICS R packages
17h00-17h15: Debriefing of the first 2-day session

Wednesday 27 October

9h00- 9h45: Debriefing on home work
9h45- 10h45: Model calibration: principles and tools
10h45 Coffee time and collective photo.
11h00-12h15: STICS as a tool for Biodiversity-based cropping systems.
Lunch
14h00-15h30: Practical work 2: Impacts of crop management and environmental conditions
15h30 Coffee time
15h45- 17h00: Discussion of the activities (doubts, questions, etc.)
17h00-17h15: Debriefing of the day

Thursday 28 October

9h00-10h30: Model evaluation: principles and tools - R functions and R tools use
10h30 Coffee time
10h45-12h15: Practical work 3: Evaluation with R, crop rotation simulations
Lunch
14h00-16h00: Activities presentations by groups
16h00 Coffee time
16h15-17h15: Debriefing of the STICS course & Evaluation of the webinar and followings

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