

Module Update: Veg3 RED Demography

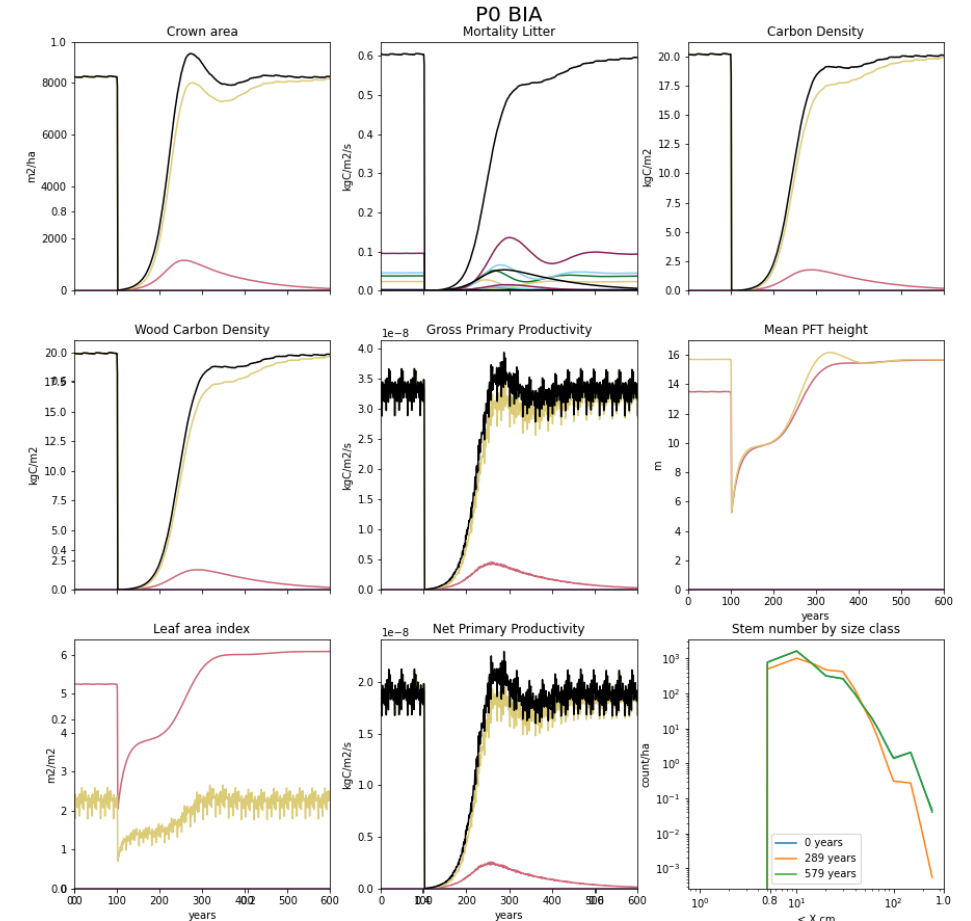
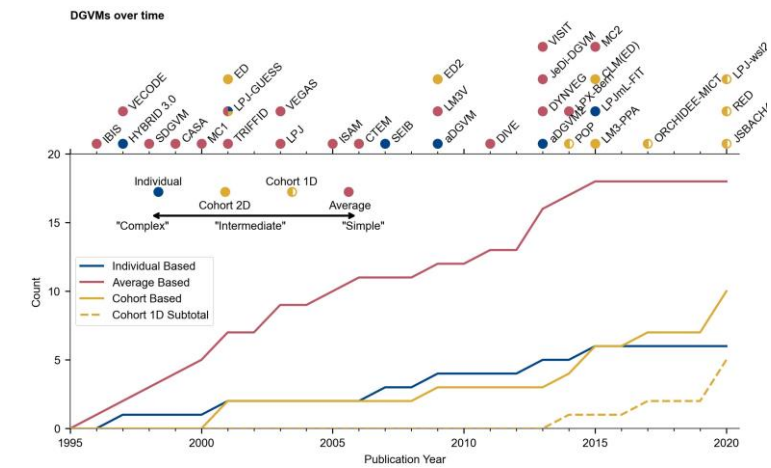
Andy Wiltshire and Arthur Argles

JULES Annual Meeting 16th
September 2022

Introduction



- JULES-RED introduces demography into the vegetation dynamics into JULES (replacing TRIFFID).
- We are currently using sites to evaluate the model against observations of size-structure at various places.
- We are also submitting results into a new vegetation demography intercomparison workshop in Amsterdam last week.



JULES-RED development roadmap

#1111 assigned enhancement

Opened 20 months ago

Last modified 3 months ago

RED Summary Ticket

Reported by: andywiltshire

Owned by: andywiltshire

Priority: normal

Milestone: Not specified

Keywords:

Cc: arthurargles, carolinaduranrojas

Description (last modified by andywiltshire) Δ

Summary ticket for implementing RED into JULES Code

[Reply](#)

- #888 - Basic VEGGIE Structural code for RED
- #902 - RED DGVM
- #1034 - Couple JULES surf exchange with RED
- #1182 - Add RED Diagnostics
- #1230 - Add RED prognostics to dump
- #1306 - N stem Bug fix @6.3
- # - Add RED Metadata and namelists to JULES
- # - Add RED rose-stem test

JULES-RED hiring opportunity

- Postdoc with the Net Zero + project for 18 months at the University of Exeter. Working with leading academics in the field!
- Develop JULES-RED to find the best place to afforest in the UK for Net Zero -> and help develop the mode for eventual integration into UKESM!

https://jobs.exeter.ac.uk/hrpr_webrecruitment/wrd/run/ETREC107GF.open?VACANCY_ID=368868bA5q&WVID=3817591jNg&LANG=USA

