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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Project** | **Stage** | **What needs doing** | **Issues** | **Distraction** | **Computer time** | **Work allocated** | **Date** |
| Over production/decomosition in central Aus | Preliminary  Research | * **What to do about Bern Fix?** |  |  |  |  |  |
| Sensitivity analysis | * New grass scheme from Bern   1. Replace current code   2. Run new spinup   3. re-run. Output, anpp,afire\_frac,fpc |  |  |  |  | Done |
| Data collection | * Litter load (site/gridded)   1. VAST (91 sites)   2. Any others? | Where? |  |  | - |  |
| Comparisons | * **Litter vs GFED to find litter threshold** |  |  |  | 2 days |  |
| Model implementation | * If NPP comp. shows a global problem   1. BERN   2. Includes Brovkin et al (2012) development of decomposition   3. Better fix then berns?   4. New litter threshold? | Speak to Colin/Sandy |  | 1 day | ½ day | Done  Done |
| Model testing | * compare against everything * Go through (Sandy/Colin/BERN person?) |  |  |  |  |  |
| Fire mortality | Preliminary  Research | Sandy’s masters students BT |  |  |  |  | Done |
| Sensitivity analysis | * 1. Use preliminary results to modify BT |  |  |  |  | Done |
| Data collection | * Try database   1. write proposal * Sandy’s papers and datasets (12 in total) * Rhys might have more * Kasia/Mel/Caroline measurements * Contact Ian Wright; Ross Bradstock for remote NSW measurements * -sort out Peters measurements |  | Waiting for Hoffmann BT data |  |  | Done  Done  Done  Done |
| Comparisons | * BT vs dbh   1. Arrange BT into pfts (I have a go then pass onto Sandy)   2. Fix gymnos in species table   3. Remove re-sprouter from analysis   4. Separate out different ‘sub-climate’ zones and ‘sub phenology’For each pft (modelled and sub-model listed above), plot BT vs DBH |  |  |  | ?Peters  1 week | Ready to be passed on to Sandy again |
| Model implementation | * Change model   1. Change parameter table   2. Add resporouting pft fraction parameter   3. Check over resprouting code   4. Re-run spin-up   5. re-run model. Output fpc, mfire\_frac, mnpp, mrh, mcflux\_fire annual 1993-2006 * May need to add new pft if this still doesn’t work   1. Add new pft to pft table   2. change model to accept >9 pts   3. Re-run spin-up   4. re-run model Output fpc, mfire\_frac, mnpp, mrh, mcflux\_fire annual 1993-2006 | Assume will; be okay for now. May need to add extra time if it doesn’t work | Can work on while model runs | 1 day  1 week  1 week | 2 days  Over xmas?  3 days |  |
| Model testing | * Compare against fire, fpc, height, CO2 * Meet Sandy/Colin about results |  |  |  | 2 days |  |
| Review tree/fire interaction |  | * Does this do enough?   1. If so, brainstorm next section (Sandy /Colin/ Joey/Belinda)   2. If not, what to do instead...      1. Crown death      2. fire adapted pft | Allow more time for other options if model is still crappy in SE. |  |  |  |  |
| Lighting | Data collection | * US total coverage – 1 year   1. Submit new budget   2. Re-order data |  |  |  | 1 day | Ready |
| Comparisons | * Redo lightning comparisons |  |  |  | 1 day |  |
| Model implementation | * Change paramters * Include new if appropriate |  |  | 2 days | ½ day  2days |  |
| Evaluation |  |  | May need to allocate time for soils work. Assume okay for now |  |  |  |  |

Order of doing things:

Add resprouters. That way, spin up can be done over xmas. – Due 21st for spinning up.

Litter threshold – 1 week (7th Jan) – provide I get data

Check lightning comparisons – 2 weeks (21th Jan)

Bark thickness – 2 weeks (4th Feb)

Evaluation

Paper!

Issues:

* Lightning data?
* At what point do we test against what?
* Saskia ignition/flammability stuff