|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Project** | **Stage** | **What needs doing** | **Issues** | **Distraction** | **Computer time** | **Work allocated** | **Date** |
| Bark thickness | Data collection | Peters BT: sort species into pfts | Give to Sandy once done |  |  | 5 days | 11/01  Done |
| Comparisons | * Current pfts * Without Tbd &tbe resprouters | Discus with Sandy once done | 3 days | 17/01  Done |
| Model implementation | * Change parameters? * Deal with spread?   Do spin up when complete |  | ½ day  3 days | 23/01  Done |
| Re-sprouting | Visit to RB |  | Save till Feb? |  |  |  |  |
| Data collection? | Separate out resrouters:   * Read Marks paper * Ask mark about Aus re-sprouter sets |
| Sensativity test | Try with just 1 re-sprouter |
| Model implementation? |  |
| Model run | Do spin up and run when complete |
| lightning | Redo comparison with American dataset: | CG fraction:   * Reformat * Calculate fraction of CG-lighting using LIS * Compare   + vs total lightning   + vs height   + vs height complexity | Can set up whilst waiting for dataset delivery |  |  | 2 days  1 day  4 days | 29/02  Done  06/02 |
| Dry fraction   * Compare vs wetdays | 1 day |  |
| Lighting days   * Compare vs total CG lightning   Do spin up when complete | 1 day | 08/02 |
| Input data | Aus | Aus dataset? | Sort out while spin-ups are finishing off |  |  |  |  |
| Global | CRU TS 3.1 |
| Models runs | Set up subversion |  |  |  |  | **1 day** | **13/02** |
| Set up on terra firms |  |  |  |  |  |  |
| Individual (Aus only)  - need to include drying curves | A. lightning   * Spin up * run | Can do after lighting analysis | **Spun up to 5000 yrs for Aus and 6000 yrs globally for pre and post-litter decomp spin-up. Run rest of spin-up files from this point.** | 2 days  ½ day |  | **11/02** |
| B. production + decomposition   * Spin up * run | Can do now | 2 days  ½ day | **done** |
| C. BT   * spin up * run | Can do after BT analysis | 2 days  ½ day | **27/01** |
| D. BT+resprouting   * spin up * run | Can do after resprouting analysis | 2 days  ½ day |  |
| Combinations (Aus only) | A+B   * Spin up * run |  | 2 days  ½ day | **13/02** |
| A+C   * Spin up * run |  | 2days  ½ day | **15/02** |
| A+D   * Spin up * run |  | 2 days  ½ day |  |
| B+C   * Spin up * run | Can do after BT analysis | 2 days  ½ day | **29/01** |
| B+D   * Spin up * run | Can do after resprouting analysis | 2 days  ½ day |  |
| A+B+C   * Spin up * run |  | 2 days  ½ day | **15/02** |
| A+B+D   * Spin up * run |  | 2 days  ½ day |  |
| Overall | Aus   * Spin up * run |  | 2 days  ½ day |  |
| Global   * Spin up * run |  | **2 weeks** |  |
|  |  |  |  |  |
| Benchmarking | Data collection - Australia | fAPAR   * TMS? (Aus data dropbox) * AVHRR FPAR (Aus data dropbox) |  |  |  |  |  |
| Veg fraction cover   * MODIS Fractional Cover |  |
| Production   * VAST? (Aus data dropbox) |  |
| Burnt area |  |
| Runnoff   * Geofabric catchment boundaries with Australia’s River Basins (Aus data dropbox) |  |
| CO2 concentration   * CO2 station data (Aus data dropbox) |  |
| NDVI?   * AVHRR NDVI (Aus data dropbox) |
| Comparison | Global – just new model |  |
| Aus – original + all new runs (total 13) | Need to use global for CO2? |
| **Write up – regional paper** | Additional things |  |  |  |  |  |  |
|  |
|  |  |
|  |  |
|  |  |
|  |  |
| **Write up – global paper** |  |  |  |  |  |  |  |
| **Future Inputs** |  |  |  |  |  |  |  |
| **Any paleo stuff?** |  |  |  |  |  |  |  |

Costs:

* Visit to Ross Bradstock
* AGU?
* Paper 2, 3, 4
* Thesis binding

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

People to speak to:

* Anna – CRU TS3.1. LPX inputs only goes upto 2006 because TS3.1 wetdays aren’t ready yet. So inputs will need to be made
* Sandy – New winds from Bart?
* Brad – Aus datasets.
* Read spitfire2
* Need to get data sorted byfore I can do any other spin up.