Discussion Session

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+ many others
Comments from Tom (Aquarius)

**In-situ network**
**Alternative algorithm**
**Calibration of Aquarius – PLMR/PLIS**
**Validation of Aquarius soil moisture (& LST) with a field campaign**

**Aquarius Launch**
- If not June, then not before Sept

**Campaign Timing**
- Crops should be in April/May -> check for lead time to confirm campaign dates
Proposal: 2011-2016, $4.2M
SMAPex-3

• Likely to be 3-weeks in Sept (TBC)
• Need to develop an experiment plan supplement outlining ADDITIONAL data requirements:
  – PALSAR
  – lidar flights
  – hyperspectral flights
  – ground roughness data
  – ground-based hyperspectral data
  – vegetation structural parameters, biomass etc (forest, crops and grass …)
  – additional soil moisture?
  – etc
Baseline

Total 9 flights approx 4hrs each
- Regional flight plan only + cal
- Mon/Wed/Fri

Ground crew considerations
- Longer campaign implications are mostly in terms of
  - Staff salaries in the field (mostly already covered)
  - Vehicle rental (offset partially by SuperSci vehicle)
  - Food and accommodation (big expense)
    - Offset by fewer people/more fully funded volunteers
    - We do have an extra two “funded” participants
    - Do veg sampling on alternate days only
    - But we also plan on some more extensive veg sampling …