NWP summary

- Importance of satellites
  - activities under review

- Precipitation & Ens. Prediction next main projects

- Land Surface
  - Climate/NWP ; CAWCR/WIRADA
  - Uptake of CABLE
  - Across many institutions (many drivers)

- Chemistry & Aerosol
  - Major influences to be resolved
Reanalysis

• Big $$
  • Lot of organization

• NWP involved
  • Provide technical aspects
  • Not using a “research” version
  • Receive diagnostics & assessment

• Bulk of benefits to rest of community
Collaboration

• Data availability
  • Operational NWP data sets available to registered users: cycling 2 weeks
  • Possible to include research data sets

• Collaborative Projects
  • Bureau does not have “academic freedom”
  • Require “Business Case” for all new activities
    • Need justification to Exec of what’s in it for us
    • Fortunately reasonable requests generally approved
  • CAWCR has signed up for SMOS related project

• ACCESS-Polar & Ice ?
• Oceanic-Atmospheric weather
Capability / Capacity

• Outreach to Unis
  • Maths/Eng Maths in Industry Study Group etc.
  • Next Generation Dynamics
  • Minimization techniques
  • Statistical sampling large systems
  • Error growth & perturbation mechanisms
  • Dynamics & adjoint
  • Physical Parameterizations & DA

• Centre of Excellence?
  • Include Master’s Program
• DA summer school
  • Cost?
  • Will be infrequent
  • Overseas examples of success

• Community test beds etc.
  • Extend UM training sessions as bridge between summer schools
  • Link with science workshops