Near Term BGC Working Group Simulations

• Extend fully coupled simulation for different RCPs to 2100
• Feedback Diagnosis Simulations
  – Radiatively uncoupled RCP8.5 emissions
    • Climate model ‘sees’ ~280 ppm
  – Carbon cycle uncoupled RCP8.5 emissions
    • BGC ‘sees’ 280 ppm, climate model has radiative forcing from fully coupled run
• Sensitivity simulations (single forcing factors)
  – No land use change
  – Constant (pre-industrial) N deposition
  – constant CO₂
• Copenhagen Voluntary Accord trajectory
• Others