Community Involvement

• Attend SciPy regularly
  • Iris, Cartopy, Biggus
  • IPython -> Project Jupyter
  • coLaboratory
  • Conda/Binstar
Community Involvement (cont.)

• Hosting two-day Python workshop
• Occasional bug fixes and enhancements to Matplotlib
  • Animation fixes
  • Skew-T support
NetCDF4-Python

- Continuing to host on our GitHub
- Help out occasionally on support
- Would like to enhance to full support of NetCDF-4 extended data model
NetCDF4-Python (cont.)

• Add support for CDM Remote access
• Still relying extensively on Jeff Whitaker
PyUDL

- Python Unidata Library
- Current collection of Python library and recipes for working with Unidata technology
- Main code comes from workshop
Cloud Computing

- IPython/Project Jupyter is a clear solution for using Python for cloud computing
- Wakari is an out of the box solution
Cloud Computing (cont.)

- Florita Rodriguez’s NHC archive browser written using IPython
- Potential to use IPython in the cloud for data-proximate analysis
SciTools (UKMet)

• The UKMet office has fully embraced Python
  • IRIS data analysis library
  • Cartopy mapping project
  • Biggus library for lazy array manipulations
SciTools (cont.)

• These are extremely interesting projects that we want to investigate and possibly collaborate upon.
• Unfortunately no such investigations have taken place yet.
PyCDM

• Implementing CDM in Python has been proposed internally many times
• Have been approached by Martin Schultz with an early prototype
PyCDM (cont.)

• Not clear how this fits or duplicates Iris
• Have not examined prototype implementation yet
Closing

- Unidata is actively involved in the Python community
- Unidata has kept up to date on many exciting areas of development
- Very limited dedicated resources