



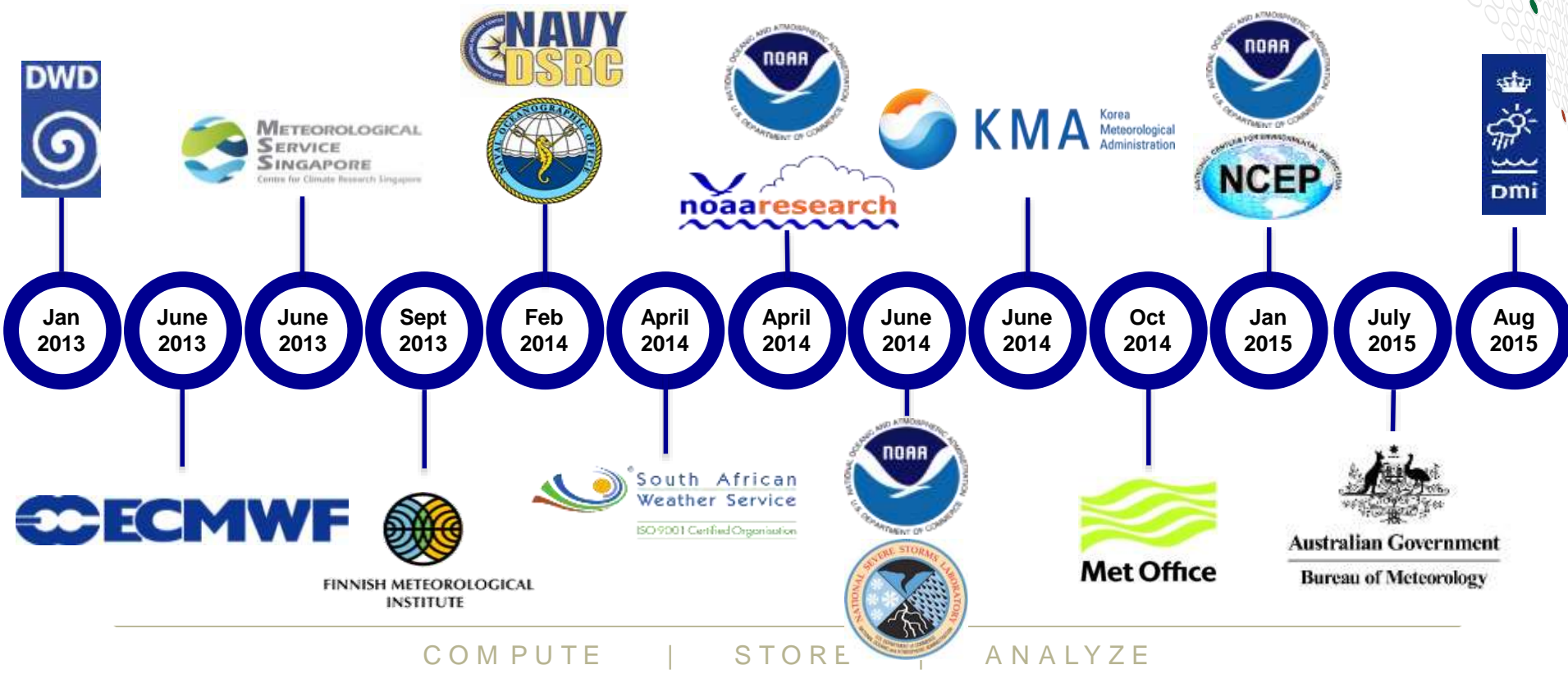
# Earth Sciences Update

HPC User Forum



COMPUTE | STORE | ANALYZE

# Cray Announcements in Weather, Climate and Oceanography over the Last Three Years





# Eco-system Technologies

- Workflows supporting single core jobs
  - Developed to support pre/post processing
- Shifter - designed as a scalable method for deploying containers and user-defined images in an HPC environment
  - Developed at NERSC to improve flexibility and usability of its systems for increasingly data-intensive workloads
- Data Virtualization Service(DVS)
  - NCEP shared storage (Geo and multiple clusters)
  - NVRAM memory hierarchy support, shared libraries,
- Multi Level Security
  - Cray system passed accreditation

---

COMPUTE | STORE | ANALYZE