Provenance WG Summary

- **Attendees:**
  - Bertram Ludaescher, Paolo Missier, Steve Kelling, Saumen Dey, David Koop, Ewa Deelman, Yogesh Simmhan, Ilkay Altintas, Shawn Bowers
  - Mark Servilla, John Kunze, Bill Michener, Line Pouchard
- **Overview:**
  - DataONE overview (Bill, for new attendees)
  - Brief review of provenance models of wf systems:
    - VisTrails, Kepler, Pegasus, Taverna, Trident, Karma
  - Brief review existing provenance standards
    - W3C Incubator on Provenance in the Semantic Web
    - Open Provenance Model (OPM)
  - Overview of the DataToL summer of code project and its outcomes
- Overviews provided baseline, starting point for the development of a common provenance model (**DOPM**) that is suitable for DataONE
- Brainstorming session:
  - Triggered by overview on eBirds (Steve)
  - Collection of areas of interest and use cases for workflows and provenance

Provenance WG: ACTION ITEMS

- **Provenance WG membership; add:**
  - CCIT member(s)
  - DataConservancy member (suggestions!?)
  - DataONE user representative(s)
- **Update charter (members) and …**
  - establish collab space (mailing list, document space ==> DataONE drive!?)
  - setup VTC schedule
- **Upcoming meetings:**
  - (1) **~ 6 months:** Provenance WG (Bertram, Paolo) and Scientific-wf WG (Ewa Deelman) to organize **joint workshop** (maybe Spring? Location: TBD, maybe West Coast?)
  - develop agenda w/ input from DataONE (& DataConservancy?), use cases
  - (2) **~ 1 year**: at next DataONE AHM (Provenance WG meeting)
- **Explore funding opportunities w/ ProvWG focus**

Plans for technical developments

- **(1) Develop DOPM**
  - the DataONE Provenance Model (or DataONE OPM):
  - conceptual model, adding missing OPM pieces:

  (collections, packaging, sys-level properties, wf-evolution, identifiers, ...)
  - protocol for storing, sharing, using provenance (CRUD+ ?)
- **(2) Paper on DOPM**
  - for a provenance venue or relevant journal (FGCS?)
- **(3) Develop technical spec**
  - with CCIT, based on (2)
- **(4) Apply for Summer of Code project (or similar)**
  - to help CCIT develop (3)