1. Introduction (Esteban)

2. Provenance (Jun)

- brief introduction to provenance (Jun)

- introduction to **roles of provenance in Wf4Ever (Jun)**

- provenance models and standards // (including trumpet blowing about completion of W3C provenance work?) (Jun)

- application to ROs?? (Esteban)

* + How provenance can be encapsulated in an RO
  + How provenance can be consumed

- Wf4Ever provenance corpus (part of the ProvBench Corpus?) This?: (Jun) https://github.com/wf4ever/provenance-corpus

- Taverna provenance export tool (plugin full explanation: sequence diagram from Stian??) (Stian)

**Key points:**

- Wrap up of the PROV activity and our role in this

- How provenance has been used in the project?

- How are we doing with provenance visualisation? (TODO: Esteban: to check with Stian and Raul about progress)

- Motifs/Workflow abstraction (differencing using templates vs. provenance) (GK:puzzled)

- Assessment of Kegg workflows ()

- Khalid and Stian are doing something (TODO Esteban: understand what exactly Khalid and Stian plan to do)

**3. Quality Evaluation and Monitoring ROs in Wf4Ever (Esteban)**

- **a brief overview of how completeness/stability/reliability relate to Integrity and Authenticity (refer back to M6 deliverable three dimensions are related to both.) (Esteban)**

- Overview of the Ontological Framework (Jose)

\* models (Jose)

\* Knowledge Pyramid (Clear descriptions.. From ISWC in-use existing text) (Jose)

- **a high-level overview picture of how the checklist and stability services work together with RODL and myExperiment (Esteban)**

- **highlight improvements in comparison to M20 (high level - details to follow below; emphasising aspect of improvements we made, like models, implementation, presentation/visualisation, etc) (Esteban)**

4. Completeness evaluation (Graham)

- introduction (Graham)

- ontological models (Graham)

- implementation/integration (including sequence diagrams as did it in the last devs. updates) (Graham)

- presentation (Graham)

- applications (Graham) (covering different uses of checklists)

**key points;**

- **updated Minim description model**

- **A new minim assessment result model**

- **The new traffic light-like visualisation of checklist assessment**

- **Accuracy assessment (kegg assessment)**

- **Function assessment (in-use paper)**

- **New/ongoing (placeholders)**

- **Performance improvement?**

- **New tool for creation of simple Minim checklists?**

5. Stability/reliability evaluation (Esteban)

- introduction/workflow decay (Aleix)

- mathematical models and data flow (Esteban)

- implementation/integration (including sequence diagrams as did it in the last devs. updates)

- presentation (Aleix)

- Monitoring decay and visualization (Aleix)

Key points to be addressed:

Storing data for ROs in RODL

Use this data with the tool /algorithms

New measure: reliability (combines completeness together with stability).

Empirical study of the reliability tool based on "why workflows break?"

sepublica paper

evaluation in use track iswc

notification of RO quality and alerts

6. Publications and dissemination (Esteban)

- ISWC/LISC

- e-science/KEGG eval

- sepublica

- linked data quality

- W3C standards

- ESWC prov tutorial

- Beyond PDF demo

- software repositories

- (more...)

7. Conclusions (Esteban)

- successes (Esteban)

- lessons (Esteban)

- further work (Esteban)