Topics

- Current status: [Bugzilla](#) [Gerrit](#) [AERI](#)
- TODOs from last meeting
  - **TODO** Abel: create Bugzilla issue for Guava required bundle added by validation generator fragment
    - https://bugs.eclipse.org/bugs/show_bug.cgi?id=519614
  - **TODO** Base index exceptions with Papyrus
  - **TODO** API Tools errors
- Ongoing work
  - Rete performance optimization
  - EMF-independent local search
- Release scheduling
  - 1.6.1
  - 1.7.0
- We should document Eclipse Preferences in the docs
- Builder perf
- Collections refactor, Java 8-spec challenges
- Base index refactor: use internal IDs + bidirectional ID<->object ref map
- Gerrit changes for DRED tests + poset comparator in RETE

Minutes

- Guava requirement in validation fragment
  - Issue created, not high priority
- Base index exceptions with Papyrus
  - Cannot reproduce, we won't investigate for now
- API tools errors
  - Gábor and Zoltán had some issues with this
- Rete performance optimization
  - Experiments with Eclipse Collections
  - Use specialized tuples for common sizes
  - Both result in significant memory reduction in CPS benchmark
- Base index refactor
  - Introduce new variant for instance store using internal IDs
- Java 8 BREE in EC vs. VIATRA
  - Maybe provide BREE restricted fragments to provide collections
- Local search only on query runtime context
  - Working version ready
  - Some serious performance regressions on initial measurements
    - Possibly related to derived features not available in index
- Release schedule suggestion:
  - Plan to contribute 1.6.1 for Oxygen.1 (September 27, 2017)
    - Release planned around end July
  - Plan to contribute 1.7.0 for Photon M4

- Document VIATRA related Eclipse Preferences to docs
  - TODO Ábel: initiate place in doc and document experimental TP indexing
- Builder performance
  - István: seems to be the most important user problem
  - Possible directions:
    - Generate less files per pattern
    - Add caches in several places to improve runtime performance
    - Access metamodels through Xtext index
- DRed tests and Poset comparator bug
  - TODO Tamás: please deal with these topics