JPoint speech plan

1. Why JPA for NoSQL? (describe common problems with different NoSQL data storages )
   1. One storage - one special code
   2. No standards
   3. No description of storage schema
2. Introduction of project “Hibernate OGM”
   1. Main goals of the project
   2. Main achievements
      1. Supported version of JPA Specification is 2.1
      2. Support Native queries
      3. Support JP-QL by Hibernate Search
      4. Other ….
   3. Supported types of data storages (mapping features about each type)
      1. Key-value storages (all entities fields as separate cache entity)
      2. Graph storage (links as edges of graph)
      3. Document storage (Entity as JSON, XML and etc)
      4. Column-oriented storage (Entity as set of column families)
   4. Architecture of the project
      1. General layers description
      2. Life cycle of OGM entity
      3. How OGM works with entity ( methods of GridDialect.class)
   5. Interactive programming with using in Java SE environment
      1. Develop example for MongoDB (document db)
      2. Reconfigure the example for Apache Cassandra (column-oriented db)
      3. Reconfigure the example for remote Neo4j (graph db)
      4. Reconfigure the example for remote Infispinian (key-value db)
   6. Example of using Hibernate OGM in JavaEE environment (WIldfly application server integration)
   7. Two words about performance (mongodb driver vs Hibernate OGM.)
   8. Road map of project
      1. New storages in development (OrientDB, Apache Ignite)
      2. Other??? (Copy from reference document)
   9. Open project or welcome to contributor team
      1. Developer team
      2. Link to jira of project
      3. Welcome to develop module for own storage

Materials for preparation:

1. Icons and Images: <http://design.jboss.org/hibernate/>
2. Video materials of Emmanuel Bernard <https://www.youtube.com/results?search_query=Hibernate+OGM> ; <https://www.youtube.com/watch?v=9lcRg2E0_NM>