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
   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 Redis (key-value db)
   6. Example of using Hibernate OGM in JavaEE environment (WIldfly application server integration)
   7. Road map of project
      1. New storages in development (OrientDB, Apache Ignite)
   8. My contribution to Hibernate OGM
      1. OrientDB introduction
      2. Introduction of Hibernate OGM for OrientDB
      3. Hidden obstacles of Hibernate OGM for OrientDB

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>