



Proposal for a Technical Board

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IKS is co-funded by the European Union and develops
new technology for intelligent content management



Context / Constraints:

- | Different sets of input (HLR, IKS Architecture, User Stories - but no detailed design documents) that need to be converted into running and quality code
- | We don't know yet what scenario exactly we will implement in the alpha stack
- | FISE vs. other visions for alpha stack (also: top-down vs. bottom-up)
- | “Crunch mode” towards alpha stack release (August) and prerelease (June)
- | Value creation for partners, and community bootstrap



Goals for TB:

- | 1. Ensure that the Alpha Stack is delivered on time (including the workshop in June)
 - | 2. Ensure that it can be used, at least in parts, in real life by the IND partners and early adopters
 - | 3. Prepare for more community engagement after the alpha release
- | (In decreasing order of importance)



Areas of responsibility

- | **Ensure convergence between HLR, Architecture and reality (code)**
- | **Implementation, tools**
- | **Collaboration**
- | **Integration**



Implementation

- | Ensures that all the code is in a common source repository, that everything needed to build is available
- | Makes technical decisions and tracks/corrects deviations regarding:
 - | Technologies used (ex: which JAX-RS implementation? which RDF store?) in a consistent manner
 - | Coding standards (including code structuration, unit tests presence, documentation)
 - | Tools (ex: Maven vs. Ant, QA tools including CI, task/issue tracker, etc.)
 - | Architecture of participation



Planning and collaboration

- | **Plans development and tracks progress (Scrum or “scrum of scrums” -style)**
 - | **Product backlog / ensuring most valuable features implemented first**
 - | **Rough iteration planning and release management (monthly builds / quarterly releases)**
 - | **Work distribution among teams**
 - | **Ensuring adequate communication among / towards the developers and towards the external community (ML, blogs)**
 - | **Reporting issues to WP5 leader and/or Exec Board**
 - | **Continuous improvement**
 - | **Preparing for handing project (or part of the project) to Apache Foundation if decided by Executive Board (Oct?)**



Integration

- | **Ensure there is a shared high-level design vision (then refine it as needed)**
- | **Ensures proper integration between subsystems and modules**
 - | **In-depth interface (Java / RESTful APIs) reviews**
 - | **Leightweight cross-modules code reviews**
 - | **Defines and/or ensures existence of Functional / Integration test scenarios**



Means

- | **5-6 members (experienced people who code, not “astronaut architects”)**
 - | 1 for each implementation site for WP5
 - | 2 IND partners
 - | => Bertrand, Olivier, Rupert (SRFG), Massimo (DFKI), Enrico (CNR), Fabian (UPB), Ozgur (SRDC)
- | **Self-organizing team, chooses its tools, maybe:**
 - | Weekly teleconf (1h)
 - | Dedicated mailing list (or not?, TBD)
 - | Face to face meetings?