



The HBP PCP: Implementation of the process

Petra Jerrentrup | 18 December 2013
Forschungszentrum Jülich GmbH
Purchasing and Materials

DISCLAIMER

- This presentation is solely made for the purpose of initiating an Open Dialogue.
- It does not formally signify the beginning of a PCP procedure or constitute a commitment by JÜLICH to carry out such a procedure at a later stage.
- The final details of the PCP procedure could differ from the form presented today.
- If a formal PCP process is initiated, participation in this Open Dialogue will not be a precondition for bidding.

Agenda

- Purpose of this presentation
- Overview of HBP PCP
- Tendering Stage
- Execution Stage
- Additional information

Purpose of this presentation

Inform you as potential suppliers about a possible implementation of the PCP procedure for the Human Brain Project.

➤ We appreciate your questions and comments!

Characteristic features of a PCP

- A PCP is designed to procure R&D services, which must account for at least 50% of the budget.
- The public procurer has no exclusive rights over the R&D results.
- Risks & benefits are shared between the public procurer and the provider(s) of the R&D services.
- PCP does not constitute state aid to industry.
- It is fair, open and transparent.

Expected outcome of the HBP PCP

- R&D of HPC system components that allow for data-intensive interactive simulations, analysis and visualization, integrated into a future HPC architecture capable of providing a peak performance up to 50 PFLOPs
- Smaller-scale pilot systems, demonstrating the readiness of the developed technologies

Procuring Entity and Legal Framework

Procuring entity

- Forschungszentrum Jülich GmbH is the responsible procuring entity and acts as the contracting authority.
- Forschungszentrum Jülich GmbH is a company with limited liability. It is a publicly funded, non-profit research organisation located in Germany.

Legal framework

- While the HBP PCP procedure implements the PCP approach as set out by the EC, it will be carried out under German law.
- It will be conducted as an open-like procedure.

HBP PCP Stages

- Preparatory Stage
- Tendering Stage
- Execution Stage
 - Phase 1 – Solution design
 - Phase 2 – Prototype development
 - Phase 3 – Pilot system development

Tendering Stage

Tendering phase:

Purpose: select the best suppliers for the PCP

➤ Selected suppliers will be awarded contracts for phase 1 and framework contracts covering the whole PCP

Main criteria:

➤ Technical quality

➤ Non-technical including sustainability and place of performance

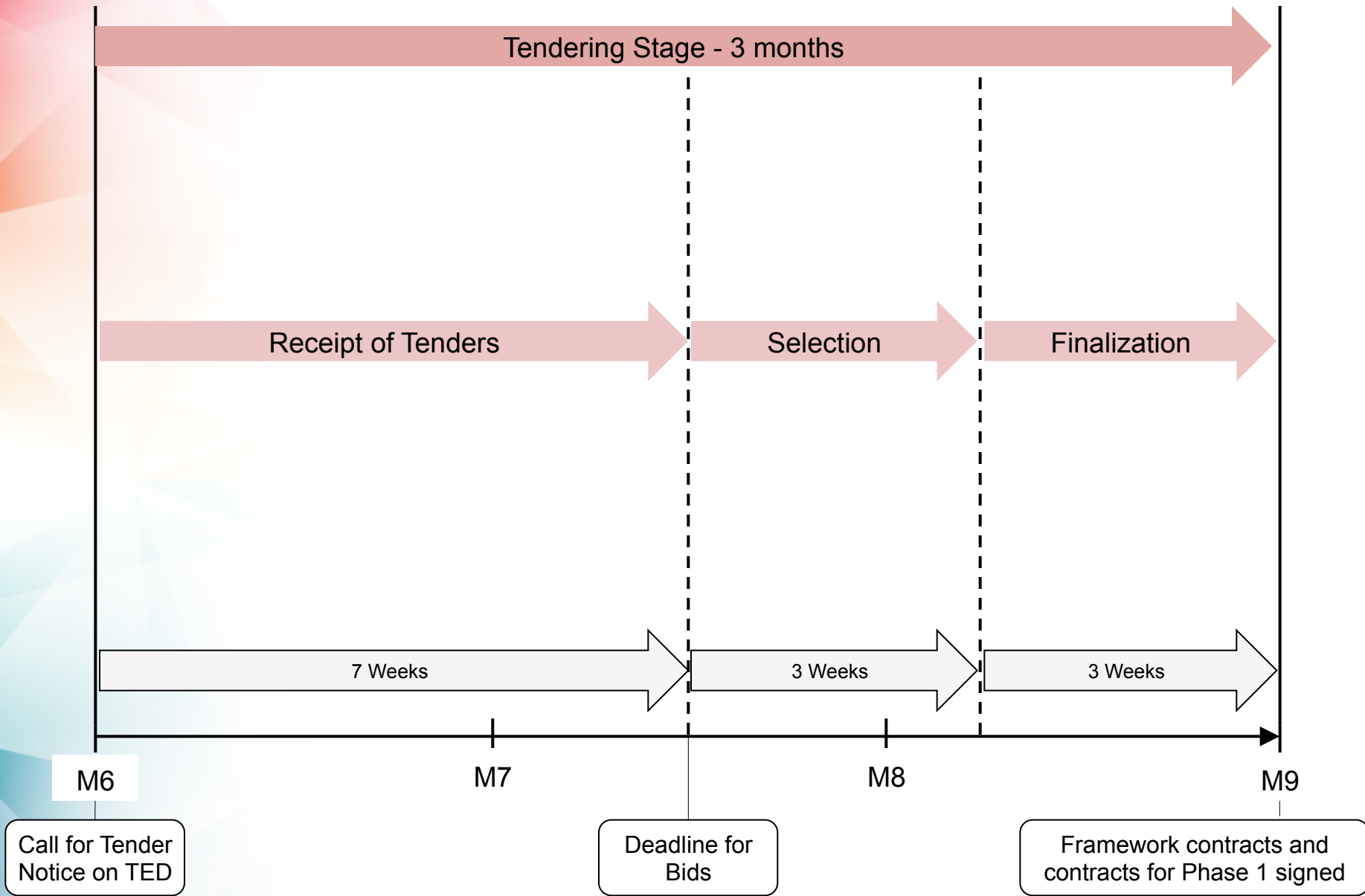
The Tendering Stage will be an open process involving:

➤ Publication of a set of tender documents, which will define the technical requirements and evaluation criteria.

➤ Verification of bidders' qualifications.

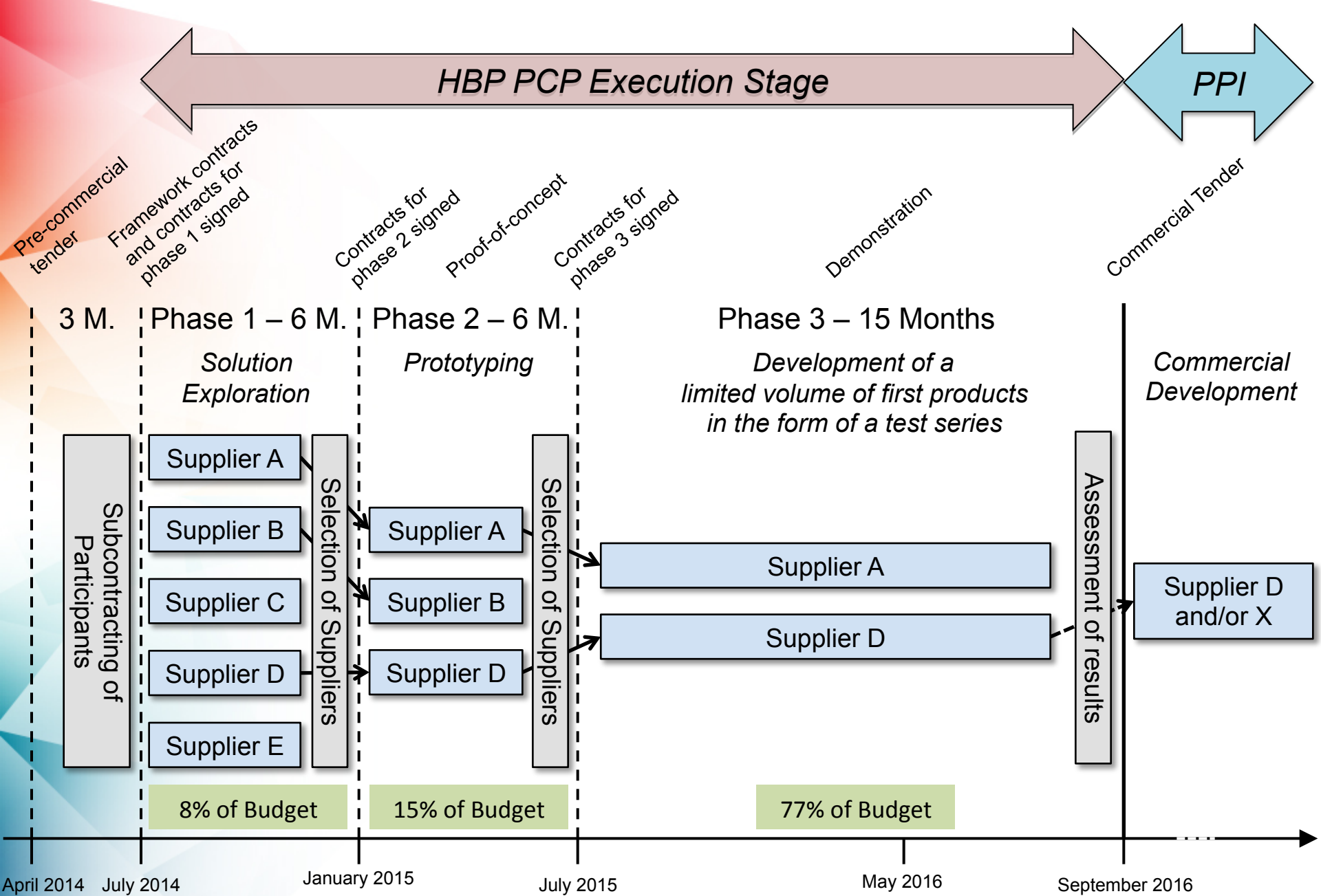
➤ Assessment and selection of Bids, according to the pre-defined evaluation criteria.

➤ Conclusion of a Framework Agreement between selected bidders and the Procuring Entity, to govern the provision of the required R&D Services in the Execution Stage.



PCP Execution Stage

- The total budget for the Execution Stage is 2.6 M€.
- The budget allocated to each phase will increase from one phase to the next.
- The number of suppliers will decrease from one phase to the next.
- For illustration:
 - Phase 1: 5 suppliers, 8% of total budget
 - Phase 2: 3 suppliers, 15% of total budget
 - Phase 3: 2 suppliers, 77% of total budget



Execution Phases

Phase 1: Solution design

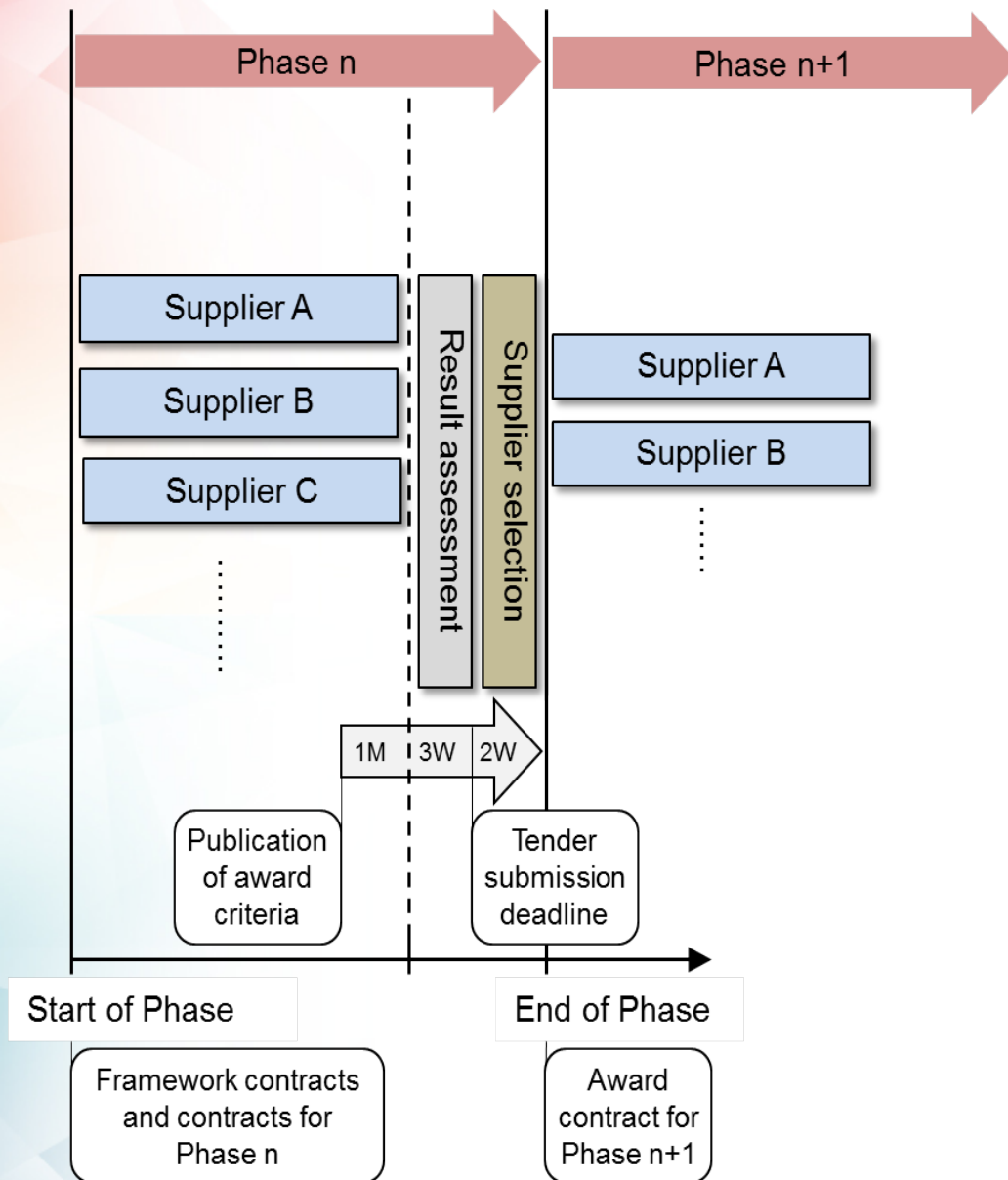
- Detailed documentation of the technology to be developed and its integration into a scalable HPC system architecture.

Phase 2: Prototype development

- Completion of all design documents and availability of early prototypes (hardware, system software) for lab tests.

Phase 3: Pre-commercial small-scale product/service development

- Integration of the full technical solution in a system that can be tested with “real” applications:
- Test at Jülich Supercomputing Centre, as far as possible involving real users.
- Demonstration of ability to meet broader market needs, beyond HBP.



Example:
 PRACE PCP “Whole System Design for Energy Efficient HPC”

<http://www.prace-ri.eu/PCP-announcement>

Place of performance

- The majority of R&D and operational activities related to the PCP, including the principal researcher(s) working for the PCP, should be located in the EU Member States or Associated Countries.
- The pilot systems should be installed at Forschungszentrum Jülich.

Confidentiality and Fairness

- All information provided by candidates will be treated as confidential as needed.
- For the fairness of the process, all clarification or information of general interest provided by HBP to a candidates during the tendering process will be made available to all candidates.
- These rules will be also applied during the execution of the PCP.

IPR in HBP PCP

- Ownership of IPR generated by a contractor during PCP contract remains with the contractor.
- Procurer is assigned a worldwide free and non-exclusive license to Foreground and relevant Background.
 - This license will be sub-licensable, but only to legal persons that are part of the HBP Consortium at the time when the Call for Tender is published.
- Contractors can be requested to offer licenses to third parties under fair and reasonable conditions.



Questions?