平成 26 年度日欧共同公募委託研究第 1 回中間レビュー評価結果（概要）

（研究期間　平成 26 年度〜平成 29 年度）

研究課題名	受託者（共同研究者）	評価
課題番号　174A 大規模スマート ICT サービス実証基盤を用いたアプリケーション実証 **副題** 日欧が連携する都市型 Smart ICT 実験環境の創出	国立大学法人大阪大学（松岡茂登教授） （京都産業大学・秋山豊和准教授、一般社団法人ナレッジキャピタル、立命館大学・西尾信彦教授、株式会社アクタスソフトウェア、株式会社 JR 西日本コミュニケーションズ、株式会社社会システム総合研究所） （Commissariat à l'énergie atomique et aux énergies alternatives（フランス）、Universidad de Cantabria（スペイン）、Engineering Ingegneria Informatica S.p.A（イタリア）、 Easy Global Market（フランス）、Inno TSD（フランス）、 Ayuntamiento de Santander（スペイン）、Sopra（フランス））	A

主な評価コメント

　The project has produced some interesting results. The main achievement is the preparation for the actual federation of the experimental facilities. Experimentation as a Service will also be a valuable tool for developers of IoT applications.

　The main innovation activities include the required steps towards the federation of the existing diverse and independently created testbeds and platforms in Europe and Japan.　The identification of tools for integrating several heterogeneous solutions in federated environments is a first and main step for the development of an important data source for experimenters.

　The interaction between the two research communities (European and Japanese) is evident and successful, and shows an efficient collaboration. The effort provided by the project management to bring the two communities together is appreciated.

　The impact of the project up to now is limited, but acceptable, given that the project is only active since one year. Data management, dissemination and quality plans have been produced, and include useful strategies and activities to maximize the project's impacts.　The activities on dissemination, standardization and exploitation are of value.

　The reviewers concluded that the project progressed well during this first year, in accordance with its objectives and workplan, and also appreciated the very good progress in the technical areas.

研究課題名	受託者（共同研究者）	評価
課題番号　174B 高い密度で集中するユーザに対応可能なアクセスネットワークの開発 **副題** 高密度ユーザ集中環境下におけるフォトニックネットワーク技術を用いた次世代無線技術の研究	国立大学法人大阪大学（村田博司准教授） （学校法人同志社・戸田裕之教授、独立行政法人電子航法研究所、株式会社日立製作所、一般財団法人電力中央研究所、コーデンテクノインフォ株式会社） （Universität Duisburg-Essen（ドイツ）、University of Kent（イギリス）、Corning Optical Communications（ドイツ）、 Siklu Communications（イスラエル）、Exatel S.A.（ポーランド））	**A**

主な評価コメント	As an overall assessment, the technical focus of RAPID provides a very good framework for significant impact given that the proposed approach is implemented and the expected results/specifications are achieved. However, during Y1, only component and system level descriptions and discussions of a set of use cases at a high level (no detailed description) have been carried out. So, the technology leap and methodology required for RAPID's solution to be realised has not taken place (or at least reported) during Y1 of the project. Regarding the project management in Y2, detailed information including the evidence that the work is on schedule should be provided and routinely updated with financial reporting and resource allocations. The risk plan needs also to be revised and regularly reviewed. More information on the beam-forming requirements in terms of the beam width, steering angles and side-lobe levels and hence number of antenna elements needs to be provided and documented, and also on the medium access control (MAC) requirements of the solution although it is recognised that the specification of a new MAC is outside the scope of the project. This is because the MAC limitations will impact the demonstrations and what are the proposed solutions to mitigate to any associated constraints in considering use cases. In the standardization activities, the consortia need to cover a wider selection of initiatives; for example, interaction with ITU-R. In addition, a plan needs to be produced to enable interaction with other European and Japanese 5G research projects.

評価ランク：
- **S** Project has fully achieved its objectives and milestones for the period.
- **A** Project has achieved most of its objectives and milestones for the period with relatively minor deviations.
- **B** Project has achieved some of its objectives and milestones; however, corrective action will be required.
- **C** Project has failed to achieve critical objectives and/or milestones and/or is severely delayed.
- **E** Project has delivered exceptional results with significant immediate or potential impact (even if not all objectives were achieved).