

平成 28 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 28 年度～平成 31 年度）

研究開発課題名	受託者（共同研究者）
<p>採択番号 18301 欧州との連携による公共ビッグデータの利活用基盤に関する研究開発 副題 スマートシティにおける市民の影響力を拡張するビッグデータ・クラウド・IoT 融合基盤技術 Acronym BigClouT</p>	<p>東日本電信電話株式会社 （学校法人慶應義塾・中澤仁准教授、大学共同利用機関法人情報・システム研究機構、日本電信電話株式会社、国立大学法人筑波大学・北川博之教授、株式会社 YRP-IOT（H29.1.31 迄） （Commissariat à l'énergie atomique et aux énergies alternatives（フランス）、Engineering Ingegneria Informatica SpA（イタリア）、ABSISKEY Collaborative Project（フランス）、Lancaster University（イギリス）、National Technical University of Athens（ギリシャ）、Grenoble-Alpes Métropole（フランス）、Bristol Is Open limited（イギリス）</p>
評価※	<p>Project has fully achieved its objectives and milestones for the period.</p>
<p>主な評価コメント</p>	<p>Overall, in this first review period (July 2016- June 2017) the consortium has made very good progress towards the objectives of the project as described in their DoA(Description of Action). Project has achieved its core objectives and milestones for the period with relatively minor deviations. Dissemination, exploitation, and collaboration activities are good, but they should be strengthened and enhanced in the next period of the project.</p> <p>Up to now, BigClouT modules design and platform prototype is completed with a specific functional architecture which now needs to be adapted and customized for the different use cases planned. Use cases requirements have been detailed, exploitation plans were reported, however the project has not yet reached the level to support a global and integral BigClouT platform as a service solution. In summary, the progress of the activities is as follows :</p> <ul style="list-style-type: none"> • Main research / innovation: The progress thus far is very good and the project appears to be on track. The use cases have been defined and their target is either on economy and events impact or on citizens mobility and tourism side. Use cases implementations are currently mostly at data collection phase while the use cases at both EU and Japan's side already evolve in parallel, with plans to exchange experience at a later stage. • Compliance with the workplan and achievement of the objectives and milestones for the period: All the scheduled deliverables have been produced on schedule with some minor delays. Two milestones have been achieved. The use cases have been defined in greater detail and some effort has been already placed in strengthening them. The work on business modelling is so far limited and the data assets and their value propositions and approaches are planned in the next period. • Use of resources: The use of resources is in line with the DoA. There have been some deviations in terms of PMs(Person Months) being used in initial activities by some partners. The expectation is that the project will overall remain on budget. <p>From the provided descriptions, it is also not clear how much concrete development work was done. It is clear and well documented that a significant effort was put in the requirements analysis and the trials preparation. Both would however gain from further consolidating the underlying methodology be it in terms of data collection, harmonization and their analyses</p>
<p>※評価ランク表</p>	<p>(1)Project has fully achieved its objectives and milestones for the period. (2)Project has achieved most of its objectives and milestones for the period with relatively minor deviations. (3)Project has achieved some of its objectives and milestones; however, corrective action will be required. (4)Project has failed to achieve critical objectives and/or milestones and/or is severely delayed. (5)Project has delivered exceptional results with significant immediate or potential impact (even if not all objectives mentioned in the Annex 1 to the GA were achieved)</p>

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研究開発課題名	受託者（共同研究者）
<p>採択番号 18302 欧州との連携による公共ビッグデータの活用基盤に関する研究開発 副題 CPaaS.io : 統合化されたオープン・シティ・プラットフォーム・アズ・ア・サービス Acronym CPaaS.io</p>	<p>株式会社横須賀テレコムリサーチパーク （日本マイクロソフト株式会社、株式会社 ACCESS、ユーシーテクノロジー株式会社、国立大学法人東京大学・越塚登教授） （Bern University of Applied Sciences（スイス）、AGT Group (R&D) GmbH（ドイツ）、City of Amsterdam（オランダ）、NEC Europe Ltd.（イギリス）、Odin Solutions S.L.（スペイン）、The Things Network（オランダ）、University of Surrey（イギリス）</p>
評価※	<p>The project has achieved most of its objectives and milestones for the period with relatively minor deviations.</p>
<p style="writing-mode: vertical-rl; text-orientation: upright;">主な評価コメント</p>	<p>Overall, in this first reporting period (from July 2016 to June 2017) the consortium has made good progress towards the objectives of the project, as described in their DoA(Description of Action). The project has achieved its core objectives and milestones for the period with relatively minor deviations. Dissemination, exploitation, and collaboration activities are good, although they should be strengthened and enhanced over the next period to better highlight the benefits of the EU-Japan collaboration as well as the scalability of the solution.</p> <p>CpaaS.io modules design and an initial platform prototype were completed with a specific functional architecture which needs to be adapted and customized to the identified use-cases. Use-cases requirements were gathered and formalized and preliminary exploitation plans were reported. However, the project has not yet reached a uniform architecture to support a global and integral CPaaS.io platform as a service solution.</p> <p>On the project management side, accumulated delays were not analyzed with care nor associated impacts were made clear on the future milestones and deliverables. Project management procedures (including risk management plan) should thus be strengthened in the future.</p> <p>All provided deliverables are accepted, although the annual periodic report is of average quality and missing key information such as a detailed split of manpower over the period. Some initial comments are :</p> <ul style="list-style-type: none"> ・ The interaction of the two research communities (EU+JP) needs to become more evident and indicate how they will reach a successful partnership scheme of market and innovation potential; ・ Up to now the objectives of CPaaS project are met, but the project lacks coherence in terms of what is the CPaaS innovation and market potential, and how it can offer a sustainable solid solution ; ・ There is a good progress in the individual technical areas the WPs(Work Packages) integration has room for improvements and there are still some clarifications needed for several tasks and partners which seem to be working in silos; ・ The project needs to enhance its communication and dissemination policies, proceed with common research work, and still maintain a more vivid coordination and sharing of the common view within the consortium
<p>※評価 ランク表</p>	<p>(1)Project has fully achieved its objectives and milestones for the period. (2)Project has <u>achieved most of its objectives and milestones for the period with relatively minor deviations.</u> (3)Project has achieved some of its objectives and milestones; however, corrective action will be required. (4)Project has failed to achieve critical objectives and/or milestones and/or is severely delayed. (5)Project has delivered exceptional results with significant immediate or potential impact (even if not all objectives mentioned in the Annex 1 to the GA were achieved)</p>

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研究課題名	受託者（共同研究者）
<p>採択番号 18401 欧州との連携による情報指向ネットワークに関する実証的研究開発 副題 革新的なアプリケーションとグローバルな実証による ICN の深化 Acronym ICN2020</p>	<p>株式会社 KDDI 総合研究所 （株式会社構造計画研究所、国立大学法人大阪大学・長谷川亨教授、公立大学法人大阪市立大学・阿多信吾教授） （Georg-August-Universitaet Göttingen（ドイツ）、Universita' degli Studi di Roma Tor Vergata（イタリア） University College London（イギリス）、Cisco Systems France Sarl（フランス）、Ericsson AB（スウェーデン） Institut de Recherche Technologique SystemX（フランス）</p>
<p>評価※</p>	<p>Project has achieved most of its objectives and milestones for the period with relative minor deviations.</p>
<p>主な評価コメント</p>	<ul style="list-style-type: none"> ・ The project has provided different technological results organised in three basic axis, (i) design and development of applications and services; (ii) design and development of ICN enhanced infrastructure and (iii) development of testbeds. ・ Innovation activities have a reflection on the number of papers and scientific contributions performed by the consortium, however more joint activities are required. ・ Dissemination and communication results are a highlight in terms of impact and audience size, e.g IEEE ICC, IEEE Globecom and IEEE INFOCOM. ・ Milestones have been achieved, however they are difficult to evaluate because the validation measures are related with the submission of draft versions of deliverables, and there is no tracking or reference regarding when these draft versions have been produced. It has to be highlighted that the final versions of the deliverables have been produced, some of them in the planned dates but the majority with delay. For the next reporting period, management and control of the milestones needs to be improved by the consortium. ・ The workplan has been followed without major deviations, however several deliverables were submitted with delay. ・ The project is advancing in developments related to ICN associated with the objectives of the project. The main contributions in year 1 are related to: <ul style="list-style-type: none"> • Architecture and requirements to adequately integrate ICN components in 5G networks. • ICN related applications: video streaming, support for IoT, caching and ICN related components. • Edge gateway compatible with Fog computing and also NFV architecture • Mobility components to support ICN inside 5G networks. • Object security based in Attribute Based Encryption (ABE). • Deployment of testbeds and federation of testbeds using GTS. ・ Impact has been achieved through scientific publications, talks, academic results, and communication activities. Industrial impact has been low as dissemination has been mainly restricted to the scientific environment. Also, standardization has been limited.
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研究開発課題名	受託者（共同研究者）
<p>採択番号 19201 高齢者の活動的・健康的な生活を実現するための欧州との連携によるネットワークプラットフォーム基盤技術の研究開発 副題 アジャイル型共創による高齢者補助ロボット用ネットワークプラットフォーム技術の研究開発 Acronym ACCRA</p>	<p>国立大学法人京都大学（岡部 寿男教授） （国立大学法人神戸大学・塚本 昌彦教授、株式会社コネクトドット） （Trialog（フランス）、Scuola Superiore Sant’ Anna（イタリア）、Erasmus University Rotterdam（オランダ）、Paris Dauphine（フランス）、Bluefrog robotics（フランス）、IRCCS - Fondazione Casa Sollievo della Sofferenza（イタリア））</p>
<p>評価※ Project has fully achieved its objectives and milestones for the period.</p>	<p>主な評価コメント</p> <p>Overall the project has made very good progress and has produced high quality results in completing the stated objectives. The deliverables and milestones planned in the period have been achieved; deliverables show good quality and clarity with regard to the content presentation.</p> <p>The overall approach is convincing by proposing a prioritisation of the system features based on the needs collected from the end users matched with the potential feasibility (defined at technical level). Alongside, also the benefits of the focusing the exchange between the EU-JP work mainly at architectural level are also evident and positive in particular in light of the overall project outcomes.</p> <p>The work done for the integration of the impact assessment framework is also relevant. However there is less evidence of the actual results achieved in terms of integrating the dimensions related to users perception and the economical aspects in particular. Moreover, in some case it is not fully clear how the needs collected will be translated into specific technical requirements. There are also concerns regarding the work related to the API and network requirements.</p> <p>With regard to the impact achieved so far, the project has well supported the creation of a user group base with the definition of the requirements and a knowledge base for the development of robotics solutions applications in the area of ageing well. There is also evidence of good impact in terms of reaching an open solution approach using technologies/platforms (e.g. FiWARE and Astro). However, the work done so far in terms of granting benefits/added value from the ACCRA grounding technologies is not fully evident.</p> <p>With regard to the contributions for the Objectives related to the project applications the work is also convincing given the activities performed in particular for the identification and analysis of the end user needs.</p> <p>With regard to the involvement of the stakeholders, the project is making very good use of the final end user knowledge and their participation in the project (very well documented) is evidently effective and beneficial. The project also well considers the role and contribution of the caregivers; however the use of their knowledge and capacities alongside with the contribution they could provide in the definition of the needs could be more emphasised.</p>
<p>備考</p>	<p>欧州側プロジェクトで1か月程度の遅延が発生し、実施期間を延長する可能性がある旨、レビューの中で報告があった。</p>
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