

平成 30 年度日欧共同公募委託研究 終了評価結果（概要）
（研究期間 平成 30 年度～令和 3 年度）

研究開発課題名	受託者（共同研究者）
<p>採択番号 19501 欧州との連携によるハイパーコネクテッド社会のためのセキュリティ技術の研究開発</p> <p>副題 ブロックチェーン・ビッグデータ・クラウド及び IoT を使用したハイパーコネクテッドスマートシティを実現するマルチレイヤセキュリティ技術</p> <p>Acronym M-Sec</p>	<p>東日本電信電話株式会社 （学校法人慶應義塾、国立大学法人横浜国立大学、大学共同利用機関法人情報・システム研究機構、 学校法人早稲田大学、株式会社エヌ・ティ・ティ・データ経営研究所） （Worldline Iberia SA(スペイン)、National Technical University of Athens(ギリシャ)、 Commissariat à l'Energie Atomique et aux Energies Alternatives(フランス)、F6S Network Limited(アイルランド)、 Tecnologías, Servicios Telemáticos y Sistemas, S.A(スペイン)、Ayuntamiento de Santander(スペイン))</p>
<p>評価※</p>	<p>Project has fully achieved its objectives and milestones for the period.</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">主な評価コメント</p>	<p>The M-Sec (Multi-layered Security technologies to ensure hyper connected smart cities with Blockchain, Big Data, Cloud and IoT) project aims to offer a robust and trusted smart city platform based on IoT, Cloud, Big Data and Blockchain technologies, such that IoT stakeholders can develop, deploy and operate novel multipurpose IoT applications for smart cities on top of smart objects. An M-Sec IoT marketplace of applications, data and services is also targeted allowing objects and humans to exchange value in form of virtual currencies, empowering an M- Sec ecosystem of stakeholders, roles, tools and infrastructures, along with an M-Sec revenue model and replication plan which is promising for M-Sec further return on investment and benefits.</p> <p>Over this last reporting period, the M-Sec project consortium made very good progress towards the objectives, milestones and deliverables of the project, as set out in the DoA, with a few minor deviations. Outstanding works were carried out to meet the reviewers' recommendations resulting in an extremely professional and sound project outcome, even exceeding objectives, as reported in the KPIs.</p> <p>Main technical achievements over the period:</p> <ul style="list-style-type: none"> • Final consolidated version of an extensive elicitation of requirements for the project to be covered • Risks and Threats categorization and enhancement considering unknown threats. • Final overall architecture of M-Sec as a project (including a new component “stealth security”) and identification of M-Sec Core components based on requirements & risks and threats coverage. • Final Prototypes of secure M-Sec core system components. • Common GDPR&APPI interfaces development. • M-Sec components documentation enhancement and Code repositories available in Github & Gitlab. • Second Pilot's Phase implementations conducted and final overall validation of the M-Sec infrastructure.
<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.</p>