# HORIZON *2020*

LE PROGRAMME DE RECHERCHE ET
D'INNOVATION DE L'UNION EUROPÉENNE

# Big Data 2017 calls

## *ICT-14; ICT-15 ; ICT-16, ICT-17 and others*

## January 06th,2017, Paris

## Brokerage

# General information

*AKKA Technologies*
*Benoit BAURENS*
*benoit.baurens@akka.eu*
*+33 (0)536 25 1000*

| Area of interest | Choose Y or N |
|---|:---:|
| *ICT-14: Big Data PPP: Cross-sectorial and cross-lingual data integration and experimentation* <br> **A) Data integration activities** | N |
| *ICT-14: Big Data PPP: Cross-sectorial and cross-lingual data integration and experimentation* <br> **B) Data experimentation incubators** | Y |
| *ICT-15-2016-2017: Big Data PPP: Large Scale Pilot actions in sectors best benefitting from data-driven innovation* <br> **Large Scale Pilot actions** | Y |
| *ICT-16-2017: Big data PPP: research addressing main technology challenges of the data economy* <br> **cross-sector and cross-border problems or opportunities of clear industrial significance.** | Y |
| *ICT-17-2016-2017: Big data PPP: Support, industrial skills, benchmarking and evaluation* <br> **Benchmarking action** | Y |
| *Others:* | |

# Competencies

- *Organisation competencies*

- *AKKA TECHNOLOGIES group (www.akka.eu) is one of the major engineering and technology consultancy group in Europe, staffed with more than 12000 persons. AKKA proposes a balanced and diversified portfolio of activities and accompanies its customers at each stage in the life-cycle of their products. **AKKA's ICT expertise includes** the design and development of highly distributed applications, model-based system engineering, Linked Data and knowledge management for semantic-based analysis and exploitation of scientific data, servers and network architecture optimization, security techniques for data and services in the Cloud, Big Data architectures and solutions, mobile devices integration. See also our work on Autonomous Electrical Vehicles (**Link&Go** Concept Car).*

- *Significant Recent Projects*

**InGeoCloudS (FP7**) 2012-2014 www.ingeoclouds.eu **GeoPublication, LinkedOpenData / Cloud**

**CLARUS (H2020)** 2015-2017  wwww.clarussecure.eu: **security of data in the Cloud**

**AUTOPILOT (H2020)** 2017-2019 **BigData solutions for Autonomous Vehicles in SmartCities**

- *The skills you can bring*

*Data Management and Publication Services on the Cloud / MicroServices / Rest-based Architectures*

**Solutions for collection of sensors data** based on RabbitMQ broker and implementation of a Factory Sensor Simulator - AMQP & MQTT. A benchmark of a Broker components**.**

**Hadoop Monitoring System** (HMS): A data collection system that generates a data lake in order to perform advance queries on Hadoop clusters' Logs (Hadoop, Flume, MongoDb, HDFS

Liberté · Égalité · Fraternité
RÉPUBLIQUE FRANÇAISE

# Project ideas

- ***Zero Defect Frameworks***: A production concept that assures zero-defect operation of complex, flexible multistage manufacturing in production lines, based on real-time analysis of data streams from product characteristics, equipment and  factory environment data from single stage to downstream stations

- **European Data Infrastructure for Environmental Data**

  *A Pan-european Platform for Environmental Data GeoPublication and GeoData Analysis for scientific and citizen services (cf. EDGI)*

- **European Data Infrastructure for Autonomous Vehicles and V2X Collaboration**

  *A Pan-european Platform for share and collaboration of mapping from Vehicles and other SmartCity Infrastructures. Hierachical Approach of Data management between Mobile Edge Computing and "traditional" Cloud Resources*

**not mandatory slide**