

# 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

**SYSTRAN**

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

# Competencies

- *Organisation competencies*
  - **Expertise** : +40 years in Machine Translation (MT) and Natural Language Processing (NLP)
  - **Mastery of MT Technologies** : proprietary technologies
  - **Large coverage**: All European languages, +50 languages, +140 language pairs
  - **Strong R&D** : +130 engineers and linguists, + 20% revenues invested in R&D
  - **Ability to innovate** : 1st MT on Windows (1995), Voice translation (1996), 1st MT on Internet (1997), Translation software for mobile devices (2005), 1st Hybrid engine (2009), 1st Purely Neural Machine Translation on the market (2016)
- *Organisation experience in the European project*
  - **Eurostars**
    - **Whassat** (2017-2020) Automatic Multilingual Product Description in Natural Language
  - **FP6/FP7**
    - **iTranslate** (2010-2012) Internet Translators for all European Languages
    - **EUROGENE** (2007-2009) The First Pan-European Learning Service in the Field of Genetics.
    - **ENRICH** (2007-2009) European Networking Resources and Information concerning Cultural Heritage.
    - **QUAERO** programme (2008-2013) MultiMedia//multilingual indexing and management platform (project with Orange, Technicolor and German labs)
- *The skills you can bring*
  - **SYSTRAN** can be a **coordinator** of a medium size project (Innovation Action) or a **partner** of any kind of project (IA, RIA, CSA)
  - **Expertise/Topics of Interest**: Machine Translation, Natural Language Processing, Deep learning, Artificial Intelligence, Big Data

# Project idea

- *Describe your project idea*
- Cross-lingual and Cross-modal data integration
  - **ICT-14-2016-2017 TOPIC: Big Data PPP: cross-sectorial and cross-lingual data integration and experimentation**
  - The idea is to use recent advances in NLP and deep learning (recurrent neural networks) to integrate cross-modal (text, audio, images) and cross lingual databases in the context of ecommerce.
  - We start from web e-commerce content (fashion, travel, toys, etc.), we provide technologies to translate different expressions of attributes to a standard expression, including expressions in different languages. We use this technology to improve marketing, economical forecasting, trend watching, etc. which now is done on basket analysis/data mining of products/items, not on the basis of a product's attributes.
- *List of the complementary skills you need for your consortium*
  - We are looking for ecommerce partners providing access to multilingual and/or multimodal Big databases

# Contact information



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