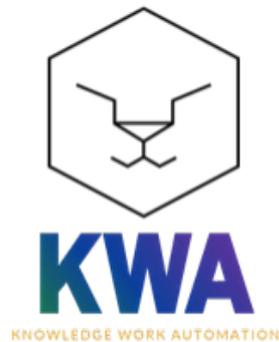


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Catalog of

R&D projects

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Knowledge Work Automation AI Platform

Knowledge Work Automation (KWA) AI platform is a project involving five of our patents to develop semantic technology with natural language processing applied in the optimization of operational processes of an organization where the processing of information and knowledge is necessary.

Nº EXPEDIENTE: 10/18/SG/0004, LINEA: PLANES ESTRATÉGICOS I+D. This project is funded by:



competitividad
empresarial



European Union
European Regional
Development Fund

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Creation and Visualization of Augmented Reality Layers

The Cloud-Arm project aims at developing a tool for mobile devices that will create and automatically display layers of augmented reality, without having to rely on suppliers of mobile devices. The resulting system, running through the browser and supporting HTML5, will be completely independent of the operating system, thereby meeting the needs of all users regardless of their mobile device, profile or context.

Objective

Within the scope of the project data layers that overlap with the reality will be generated automatically based on a number of semantic datasets, which will be developed as part of the project. At the same time, and through the use of image retrieval technology, the project will contribute to improving indoor and outdoor geo-localization systems used by the augmented reality service. The project envisages the creation of a community of users to generate and improve web content, enabling the widespread adoption of the generated data by third parties profiting from the Linked Data publishing paradigm. Visit CloudArm

Website: cloudarm.planetmedia.es/

This project is funded by: **Acción Estratégica Economía y Sociedad Digital (AEESD)** / Este proyecto ha sido financiado gracias al Ministerio de Industria, Energía y Turismo dentro de la **Acción Estratégica de Economía y Sociedad Digital** con expediente TSI-100600-2013-54 Watch

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SEARCH ON
THE CLOUD 

Content Search and Retrieval in the Cloud

SEARCH ON THE CLOUD aims at creating a value-added service, nonexistent in current solutions, for cross searching and retrieving content stored in personal services deployed in the Cloud (Dropbox, Gmail and others) by leveraging semantic analysis technologies and content through natural language processing.

Visit SEARCH ON THE CLOUD Website: playence.com/searchonthecloud/

This project is funded by: **Acción Estratégica Economía y Sociedad Digital (AEESD)** / Este proyecto ha sido financiado gracias al Ministerio de Industria, Energía y Turismo dentro de la Acción Estratégica de Economía y Sociedad Digital con expediente TSI-100600-2013-54 Watch



GOBIERNO
DE ESPAÑA

MINISTERIO
DE ENERGÍA, TURISMO
Y AGENDA DIGITAL

Este proyecto ha sido financiado gracias al Ministerio de Energía, Turismo y Agenda digital dentro de la Acción Estratégica de Economía y Sociedad Digital con expediente TSI-100600-2013-53

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Providing Businesses with better Management of Tourist Lifecycles

The Cloud Destination project focuses on providing businesses active in the tourist field solutions for managing the tourist life cycle (before, during and after the travel) promoting by these means more intelligent destinations.

The goal of the project is to deliver solutions both for companies and tourists alike. On the one hand, the integration of tools and services in the Cloud will enable companies to obtain complete and detailed information about the profile of the tourist.

This will result in the ability to better manage their activity, improving the targeting of services and products. On the other hand, tourist will benefit from a set of integrated and novel services (e.g. augmented reality, ubiquitous contents, etc.) that will result in a richer and more satisfactory holidays experience.

This project has been financed by the INNFACTO 2010 initiative of the Ministry of Science and Innovation, reference IPT-440000-2010-005

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SOCIAL TV 

Increasing Effectiveness of Marketing and Communication with Social Networks

The SOCIAL TV project develops tools to analyze information from Social Networks for exploitation in marketing and communication. Thanks to this SOCIAL TV, broadcasting, media monitoring and media planning companies will benefit from the use of social networks as a source of information about their TV programs, thus allowing them a better knowledge of their audience, to know the success or failure of their programs, and better sell their advertising space optimizing investment trademarks.

This project is funded by: Acción Estratégica Economía y Sociedad Digital (AEESD)

Visit SOCIAL TV Website: playence.com/socialtv/

This project has been financed thanks to the Ministry of Economy and Competitiveness within the State Program for Research, Development and Innovation Oriented to the Challenges of Society, within the framework of the State Plan for Scientific and Technical Research and Innovation 2013-2016 (Collaboration Challenges) with file number RTC-2014-2566-7

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Analyzing Trends in Social Networking through the Monetization of Images

The Internet industry has mainly been exploiting and monetizing text-based structures. In fact, the marketing industry has invested in optimizing websites and applications using tools to find keywords that sought to make their brands more visible to clients in search engine results and social networks. This situation is changing whereby users have changed their behavior and share more photographs and social networks are becoming more visual in general.

VisualAD focuses on new disruptive innovation through Visual Intelligence and Complementary Currencies to analyze trends in social networking through the monetization of images. VisualAD focuses on analyzing visual content instead of the traditional text analysis. It rewards the market in the form of virtual currency to motivate sharing and commercializing personal and professional photos.

This project has been financed thanks to the Ministry of Economy and Competitiveness within the State Program for Research, Development and Innovation Oriented to the Challenges of Society, within the framework of the State Plan for Scientific and Technical Research and Innovation 2013-2016 (Collaboration Challenges) with file number RTC-2014-2566-7

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OPT-TEXT-ANALYTICS: Semi-Automatic Enhancement of Unstructured Content

The goal of the OPT-TEXT-ANALYTICS project is the development of an optimized system for Text Analytics, including content processing and search, by designing and implementing a scalable, compressed, efficient RDF storage engine accessible in main memory whenever possible, as a basis for large volumes of semantic data available today.

The goal of the OPT-TEXT-ANALYTICS project is the development of an optimized system for Text Analytics, including content processing and search, by designing and implementing a scalable, compressed, efficient and accessible RDF storage engine in main memory whenever possible, as the basis for large volumes of semantic data available today.

Visit OTA Website: taiger.com/opt-text-analytics



Este proyecto ha sido financiado gracias al Ministerio de Industria, Energía y Turismo dentro de la Acción Estratégica de Economía y Sociedad Digital con expediente TSI-100104-2015-46
Proyecto cofinanciado por el Fondo Europeo de Desarrollo Regional (FEDER)

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esTextAnalytics: Análisis de texto en la nube

The project esTextAnalytics proposes the development of Text Analytics services in the Cloud, through the use of Natural Language Processing (NLP) and semantic annotation and disambiguation technologies, and with the use of esDBpedia as a knowledge base, improved with the incorporation of automatic mechanisms of diagnosis, repair and update of wrong knowledge, as well as the automatic management of licenses for the incorporation of proprietary external knowledge.

Visit esTextAnalytics Website: www.taiger.com/esTextAnalytics/

The esTextAnalytics project proposes the development of Text Analytics services in the Cloud, through the use of natural language processing (NLP) and semantic technologies of annotation and disambiguation, and with the use of esDBpedia as a knowledge base, improved with the incorporation of automatic mechanisms of diagnosis, repair and update of erroneous knowledge, as well as the automatic management of licenses for the incorporation of external proprietary knowledge.



Este proyecto ha sido financiado gracias al Ministerio de Economía, Industria y Competitividad dentro del programa Retos Colaboración 2016 con expediente RTC-2016-4952-7
Proyecto cofinanciado por el Fondo Europeo de Desarrollo Regional (FEDER)

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LPS BIGGER

Semi-Automatic Deployment of Big Data Solutions for Unprecedented Results

LPS-BIGGER is a project included in the CIEN Strategic Program. It conceives, designs and implements a new paradigm in the Big Data environment, based on the fast deployment of Big Data applications to obtain unprecedented results in the industry. This allows semi-automatic deployment of Big Data, therefore minimizing development costs and speeding the application development process.

Objective

LPS-BIGGER aims to achieve the following:

- Breakthrough in the areas of real-time multi-channel marketing
- Exploitation of social influence in online advertising
- Optimization of retail sector activities
- Optimization of software engineering projects management
- Advanced educational systems under the Big Data approach
- Application of SPLE technology and methodology (Software Product Line Engineering)

Visit LPS-BIGGER Website: <http://www.cienlpsbigger.es/>



Este proyecto ha sido financiado gracias al Centro para el Desarrollo Tecnológico Industrial dentro del Programa Estratégico CIEN con expediente número EXP-00075347 / IDI-20141261
Proyecto cofinanciado por el Fondo Europeo de Desarrollo Regional (FEDER)

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Social Media and Digital Interaction Intelligence

The amount of digital interaction data has soared along with the digitalization of business processes and private communication since the advent of the Internet. The increased amount data will produce an almost unfathomable amount of interaction traces. The goal of this project is to research machine learning and artificial intelligence techniques that can be used to turn digital interaction data into Digital Interaction Intelligence and approaches that can be used to effectively enter and act in social media, and to automate this process.

View SOMEDI website: taiger.com/somedi



Este proyecto ha sido financiado gracias al Centro para el Desarrollo Tecnológico Industrial dentro del Programa INNOGLOBAL con expediente número EXP-00092547 / INNO-20161089

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Enhanced Affective Wellbeing based on Emotion Technologies for adapting IoT spaces

The Internet of Things (IoT) has evolved from being a far-fetched futuristic vision to something that can realistically be expected to become a mainstream concept in a few years' time. EmoSpaces' goal is the development of an IoT platform that determines context awareness with a focus on sentiment and emotion recognition and ambient adaptation.

The main innovative aspect of EmoSpaces lies in considering emotion and sentiments as a context source for improving intelligent services in IoT.

View EMOSPACES website: taiger.com/emospaces



Este proyecto ha sido financiado gracias al Ministerio de Economía y Competitividad dentro del Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad, en el marco del Plan Estatal de Investigación Científica y Técnica y de Innovación 2013-2016 (Retos Colaboración) con expediente número RTC-2016-5053-7
Proyecto cofinanciado por el Fondo Europeo de Desarrollo Regional (FEDER)

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A Smart City 3D simulation and monitoring platform

CitiSim's main goal is to create a new generation platform for the smart city ecosystem. This platform will provide a powerful monitoring and control infrastructure for planners to make critical management decisions on tactical and strategic levels. For a natural interaction and better understanding of the events that happen in the city, 3D visualisation techniques like augmented virtuality and augmented reality will be explored.

CitiSim will provide service developers with a set of services, standards and tools for the development of applications for the smart city.

View CitiSim website: citisim.org



Este proyecto ha sido financiado gracias al Centro para el Desarrollo Tecnológico Industrial dentro del Programa INNOGLOBAL con expediente número EXP-00092538 / INNO-20161097

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Streamline Networked Media Production and Archiving Processes

MAVEN is a collaborative project under the “Research for the benefit of SMEs” programme, in the 7th Framework Programme. The technical goal of MAVEN is to develop market-ready, efficient and robust tools for the search, management and authenticity verification of multimedia contents. The project has officially started the last October 1st 2013, and will run for 24 months until September 30th, 2015.

Objective

Despite the advances in the Security and Media sectors, MAVEN arises from the need of providing such industries with a suite of advanced technological solutions, able to operate in a range of realistic scenarios (CCTV, web images, broadcast data, etc). The project results will allow SMEs, law enforcement bodies, press agencies, insurance companies and broadcasting companies, among others, to manage their multimedia assets and verify its integrity and authenticity, all in an efficient and scalable manner. MAVEN project will develop of a set of tools for multimedia data management and security. The project’s objectives will be centered on two key concepts: “SEARCH” and “VERIFY”, both integrated in a coherent manner. This “search and verify” concept is not supported in an integrated manner by any tool currently available in the market.

Visit MAVEN Website: <http://maven-project.eu/>

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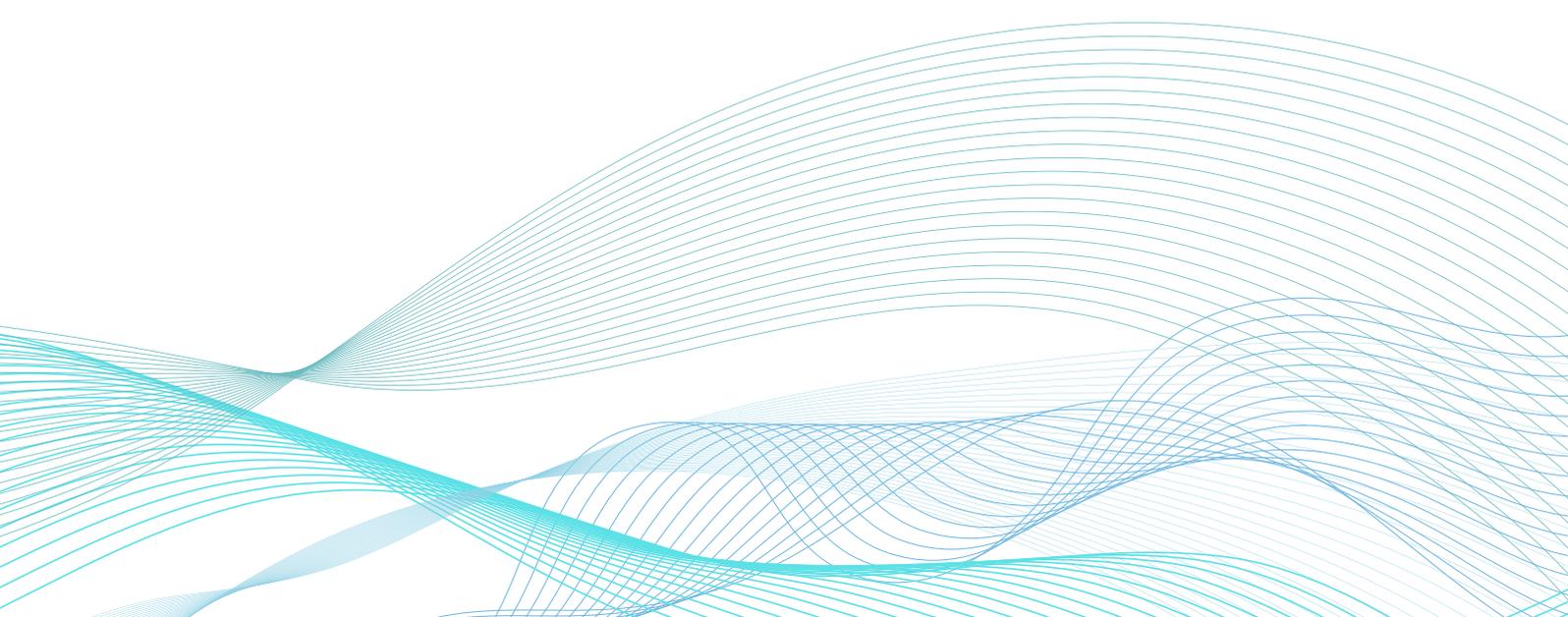


Streamlining Networked Media Production and Archiving Processes

TOSCA-MP aims to develop user-centric content annotation and search tools for professionals in networked media production and archiving (television, radio, online), addressing their specific use cases and workflow requirements. This will be achieved by scalable and distributed content processing methods performing advanced multimodal information extraction and semantic enrichment. Other key technology areas will include search methods across heterogeneous networked content repositories and novel user interfaces.

TOSCA-MP is a FP 7 collaborative project co-funded through the grant number FP7-287532 under EU Objective 1.5

Visit TOSCA-MP Website: tosca-mp.eu



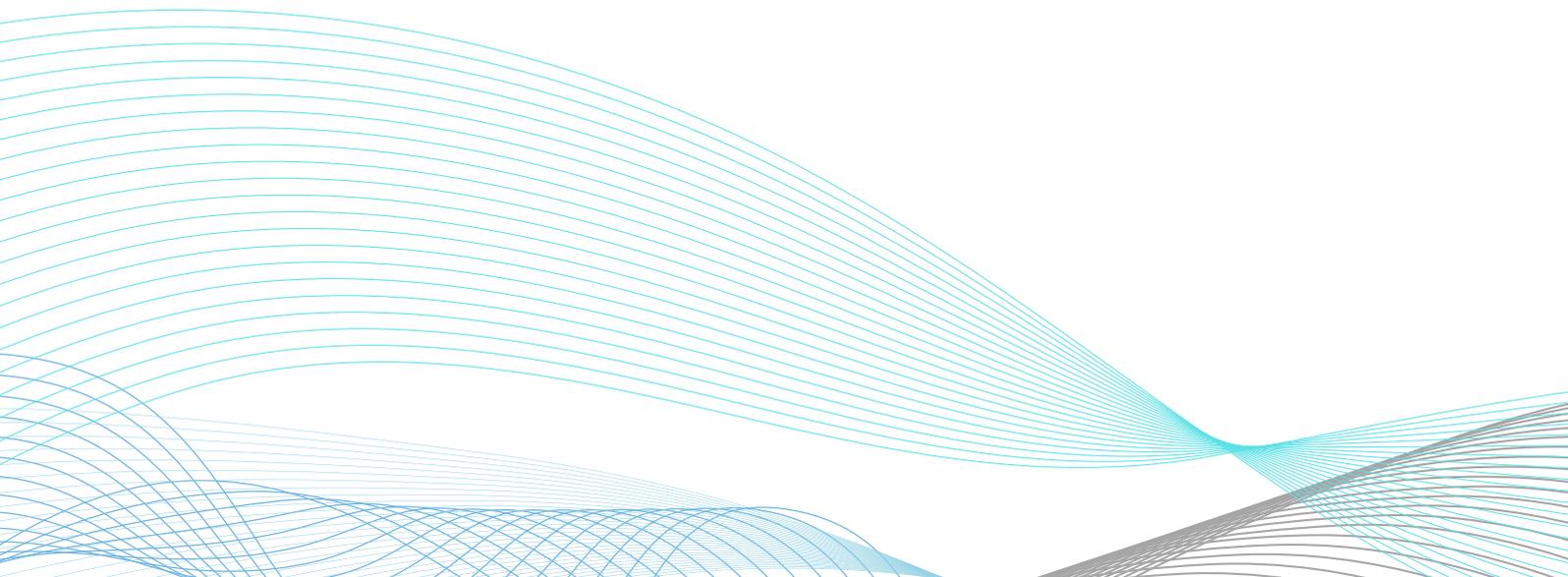
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Improving Resilience and Robustness of Communication Systems

The aim of the ESSENCE network is to translate abilities of natural communicating systems to computational systems in order to improve their resilience and robustness, and by doing so to also make these systems more comprehensible to human users.

To this end, we will bring together research on phenomena observed in human communication with research from areas that investigate heterogeneous computational communicating systems.



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Advanced
Prototyping
Platform

Improving Resilience and Robustness of Communication Systems

The aim of the project is to develop an Advanced Prototyping Platform (APP) to define, prototype and simulate complex software applications by improving the requirements gathering process, simplifying customer demonstrations, and increasing the user adoption of complex technologies. APP will allow users to rapidly create prototypes which simulate complex applications.

Objective

According to our estimations, the platform will: Reduce total project costs up to 30%, avoiding rework Reduce risks and failures in complex software projects Increase user adoption Speed up project development by 20%, reducing the sales cycle The APP will be fully oriented to built prototypes including some advanced components (Semantic Search, Mobile and Big Data applications) plus new requirements regarding interfaces (e.g. geographic-based interfaces).

The APP platform will also have code generation to create the basic stubs to implement projects.

This project is funded with the scheme of Eurostars-2 Cod

Visit APP Website: taiger.com/APP

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Enriching UX through increased mobility

The iMove project is based on a new paradigm in mobility, derived from the latest technological advances in terms of mobile devices, apps, Internet connectivity and massive use of social networks. In this new scenario, novel opportunities are identified to provide mobile users with information tailored to their needs at any time and place, improving their user experience and maximizing the effectiveness of the information disseminated. In addition to the new paradigm in mobility, there are new trends that can enrich this experience, such as the Internet of Things, Semantic Data and Big Data.

This translates into context information about the user and their circumstances, which is fundamental to enrich the process of personalization of the information in mobility.

Objective

The objective of the iMove project is to use the synergies and complementarities of these technologies and technological paradigms to develop a real-time recommendation system of dynamic content through push notifications, based on the user's context in mobility and their social networks, so as to reduce the human interaction with the mobile device and improve the user experience, thus favoring the effectiveness of the recommendations themselves.

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Enriching UX through increased mobility

Validation

To validate the system consistently, it is proposed to validate it in a real scenario focused on the tourism and trade sector with the aim of improving the tourist experience and boosting trade in local retail companies.

Visit iMove Website: www.proyecto-imove.com

This project has been financed thanks to the Ministry of Economy and Competitiveness within the State Program for Research, Development and Innovation Oriented to the Challenges of Society, within the framework of the State Plan for Scientific and Technical Research and Innovation 2013-2016 (Collaboration Challenges) with file number RTC-2016-4951-6



Este proyecto ha sido financiado gracias al Ministerio de Economía, Industria y Competitividad dentro del programa Retos Colaboración 2016 con expediente RTC-2016-4952-7
Proyecto cofinanciado por el Fondo Europeo de Desarrollo Regional (FEDER)

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Empowering European Companies with Big Data Analytics (MBDAaaS)

Many companies and organisations in Europe have become aware of the potential competitive advantage they could get by timely and accurate Big Data Analytics, but lack the IT expertise and budget to fully exploit BDA. To overcome this hurdle, TOREADOR takes a model-based BDA-as-a-service (MBDAaaS) approach, providing models of the entire Big Data Analysis process and of its artefacts.

Visit Toreador Website: toreador-project.eu

