Partner Search

Company Profile - Description of the company

Company:	**City:**	**Country:**
FORTEC	Zaragoza	España

Street:
C/ Emilio Pardo Bazán, nº 16, local

Postal Code:
50.0018

www-Address:
http://www.formacionytecnologia.com

Contact person:
Ángel Esteban

Position in the company:
Coordinador

Telephone:
+34 976799643

Fax
+34 976742822

General e-mail address:
aesteban@formacionytecnologia.com

E-mail contact person:
aesteban@formacionytecnologia.com

Year established:
1999

Turnover in million Euro:
- ☒ Up to 2 million
- ☐ 2 to 10
- ☐ 10 to 50
- ☐ More than 50 Million

Number of employees in the enterprise:
- ☐ 1 – 9
- ☒ 10 – 49
- ☐ 50 – 249
- ☐ More than 250

Call identifier

ERASMUS+

Sector Skills Alliances

Lot 1: SSA for Skills Needs IdentificationDecide on Duration.

Deadline for the proposal submission

02/05/2017 (12:00 noon CET)

Expressions of interest deadline

undetermined

Acronym and Title of the project:

DETECTA: Dynamic system on BigData for the detection of competency needs in the ICT sector

Project abstract *(max. 500 characters)*:

The contribution of the project to the identification of competency and training needs in a field as variable and relevant as the ICTs is the development of a totally innovative tool that handles and processes in a fast way all the information published in the Network regarding Job offers and training offers in order to know in real time where and what qualification workers are needed and if the training strategies that are being proposed in the market really respond to the demands of companies.

Project description

According to the OECD, in its member countries **ICT intensive workers account for another 20 per cent of all workers**. And this percentage, through the evolution of the knowledge society, is going to increase in the next years. The importance of ICTs in the occupational skills of workers, both in the ICT sector and in its cross-sector sense, is growing exponentially.

However, the characteristics of the ICT field, is affected by the rapid technological changes, hinders the already complex process of detection of training needs.

At present it is possible to find studies of training needs in relation to ICT professional competences, always referring to a specific country or geographic area. Competent efforts have also been made by the European Commission, such as SKILL PANORAMA or the European Skills, Competences, Qualifications and Occupations (ESCO), but the reality is that tools are needed with the purpose to detect dynamically and Continuous in time:

- Qualification requirements, emanating from the companies themselves, and competency trends.
- Current offer of training and its adaptation to the requirements of companies.

And it is precisely in the present project that a tool is presented that can fulfill the aforementioned needs, taking advantage of the current development of artificial intelligence technologies on Big Data. The project envisages the construction of a platform that integrates as an essential tool, an application for locating, searching and analyzing the job and training offers currently published in the field of ICT and that results in real time:

- An evolutionary map, both geographic and chronological, of the offer of training for employment in the countries that make up the project consortium.
- An evolutionary map, both geographic and chronological, of the job offer in the countries that make up the project consortium.
- Detailed real-time reports of the existing training and employment offer, as well as the source or publisher in each case.
- Contrasts between the training required for the jobs offered and the offer of market training.

Innovations and advantages of the project *(min. 50 characters, what's the problem to be solved and why could it be interesting/useful to solve it?)*:

The importance of the need for continued identification of professional skills in the ICT sector is due to their increasing relevance, the high degree of evolution of technologies, the incessant and rapid changes in the environment and the needs of the market, and the complexity and breadth of the capabilities that the set of companies requires

The objective is to conduct real-time consultations and access each of the scattered sources where information on the labor market of the ICT sector is published. This work is not easy because it involves capturing, processing and transforming information related to the content of ICT job offers published through a wide range of sources or channels, specific portals, job boards of social agents, public bodies, etc. And establish what is the ICT training offer periodically offered by the centers and entities involved in the promotion of training for employment. If we combine the challenge of detecting where the offers of employment and training are taking place, in order to promote access and mobility of people, the problem of providing accurate information by existing means becomes extremely complex.

The innovative solution that combines semantic intelligence technologies with the power of high-volume information analysis (BigData), in order to capture, process, analyze and store information from formal sources And not formal. This analysis can be done through advanced techniques of text mining and resources, as well as semantic enrichment techniques (based on languages such as RDF and OWL) and natural language analysis.

Outputs *(min. 50 characters)*:

The outputs will be:
- **Report on the economic-business sector of the ICT sector: economic framework, trends, changes, growth and increase in predictable employment**
- **Platform that integrates as an essential tool an application for locating, searching and analyzing job offers and training that are published periodically in the field of ICT.**
- **Evolutionary map, both geographic and chronological, of the offer of European training and employment in the ICT sector.**
- **Report of the occupational-competence area of the ICT sector. Analysis of current and future skills needs in the ICT sector labor market. Review of the professional profiles of the sector.**
- **Report on the training sector of the ICT sector. Analysis of needs in the provision of ICT training. It includes the contrast between the current training offer and the current and future qualification demands.**

Project Keywords (max. 5 keywords)**:**

ICT detección competencias formación BigData

Further Information:

- Maximum EU contribution: (2 years): 500 000 EUR

Possible consortium:

P1. FORTEC (Spain): Company specialized in the application of new technologies of the information and the communication to the formative processes.
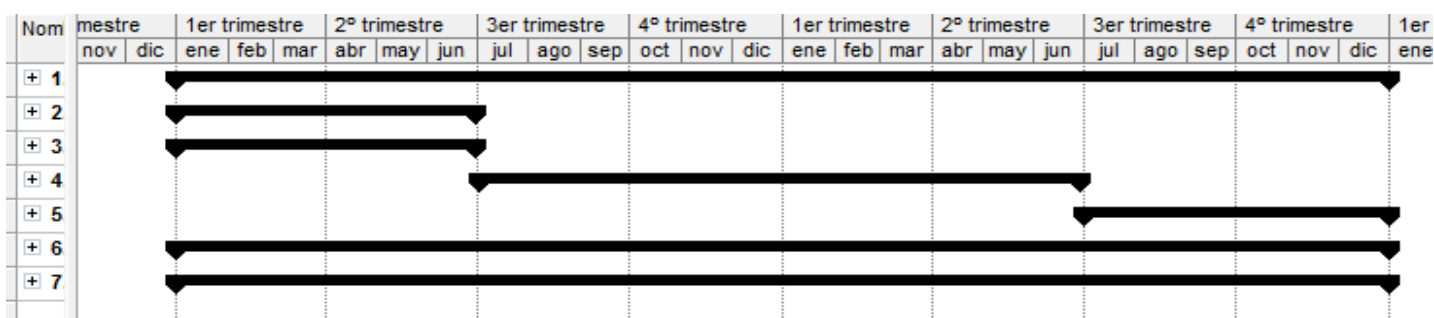
P2. ITAINNOVA (Spain): Technological Institute of Aragon. Research center specializing in the application of artificial intelligence and the BigData for specific software.

P3. ICT CLUSTER: Organization representing the ICT business sector:

P4. EUCA: Organization representing the training offer:

PLANNING

WPs	INICIO	FINAL
1. Project Management	01/01/2018	31/12/2019
2. Diagnosis of the situation of the ICT sector	01/01/2018	29/06/2018
3. Methodological design of the tool for detection of competencies and training needs	01/01/2018	29/06/2018
4. Development of the BigData platform: DETECTA	02/07/2018	28/06/2019
5. Exploitation of results DETECTA: competential and formative analysis of the ICT sector	01/07/2019	31/12/2019
6. Dissemination and design of system maintenance plan	01/01/2018	31/12/2019
7. Evaluation and Monitoring	01/01/2018	31/12/2019

LEADER	WPs/TASKS	START	FINAL
FORTEC	**1. Project Management**	**01/01/2018**	**31/12/2019**
	1.1. Coordination	01/01/2018	31/12/2019
	1.2. Administrative Management	01/01/2018	31/12/2019
	1.3. Preparation and holding of the dissemination session of the WP2 and WP3 final reports	04/06/2018	03/07/2018
	1.4. Preparación y presentación de la demostración de la plataforma DETECTA (WP 4)	03/06/2019	02/07/2019
	1.5. Preparation and holding of the final results dissemination session (WP5)	18/11/2019	19/12/2019
ICT CLUSTER	**2. Diagnosis of the situation of the ICT sector**	**01/01/2018**	**29/06/2018**
	2.1. Study of the economic-business framework of the ICT sector through secondary sources	01/01/2018	02/02/2018
	2.2. Prospecting trends in the sector: changes and difficulties. Interviews with experts.	05/02/2018	30/03/2018
	2.3. Competence reality study of the sector: Skills panorama, ESCO, EUROSTAT, etc.	02/04/2018	18/05/2018
	2.4. Study of the formative reality of the sector: regulated and non-regulated training offer	21/05/2018	29/06/2018

FORTEC	3. Methodological design of the tool for detection of competencies and training needs	01/01/2018	29/06/2018
	3.1. Identification of sources where job offers are published ICT	01/01/2018	26/01/2018
	3.2. Identification of sources where ICT training offers are published	29/01/2018	23/02/2018
	3.3. Description of the parameters that define job offers and training	26/02/2018	13/04/2018
	3.4. Determination of the concepts of consultation (place, competence, date, typology of companies, etc.)	16/04/2018	18/05/2018
	3.5. Elaboration of functional requirements of the DETECTA platform	21/05/2018	29/06/2018
	3.6. Elaboration of technical requirements of the DETECTA platform	21/05/2018	29/06/2018
ITAINNOVA	4. Development of the BigData platform: DETECTA	02/07/2018	28/06/2019
	4.1. Creation of ontologies and categorization of search parameters for different languages	02/07/2018	27/07/2018
	4.2. Design of the system architecture. Validation	30/07/2018	24/08/2018
	4.3. General graphic interface design. Validation	27/08/2018	07/09/2018
	4.4. Definition and development of the search module	10/09/2018	26/10/2018
	4.5 . Implementation of information extraction module	29/10/2018	07/12/2018
	4.6 . Development of the module for analysis of patterns and rules of extracted information	10/12/2018	18/01/2019
	4.7. Development of the Needs Detection Reporting Module	21/01/2019	22/03/2019
	4.8 . Integration First System Prototype	25/03/2019	19/04/2019
	4.9. Testing and validation in the laboratory	22/04/2019	31/05/2019
	4.10.Testing and validation in end users	03/06/2019	28/06/2019
EUCA	5. Exploitation of results DETECTA: competence and formative analysis of the ICT sector	01/07/2019	31/12/2019
	5.1. Analysis of the job offer (professional profiles, locations, requirements, etc.)	01/07/2019	19/07/2019
	5.2. Analysis of the training offer (areas of knowledge, locations, objectives, etc.)	22/07/2019	09/08/2019
	5.3. Determination of competency deficits according to different parameters (professional profile, location, type of company, etc.)	12/08/2019	20/09/2019
	5.4. Determination of training deficits according to different parameters (professional profile, location, type of company, etc.)	23/09/2019	01/11/2019
	5.5.Analysis of the impact of the deficits detected in the growth and employment of the ICT sector and in other related sectors	04/11/2019	06/12/2019
	5.6. Elaboration of an intervention plan: improvement measures	09/12/2019	31/12/2019

ICT CLUSTER	**6. Dissemination and design of system maintenance plan**	**01/01/2018**	**31/12/2019**
	6.1. Design and supply of the web portal of the project and elaboration of informative material	01/01/2018	31/12/2019
	6.2. Application of off-line dissemination measures	04/06/2018	03/07/2018
	6.3. Application of on-line dissemination measures	03/06/2019	02/07/2019
	6.4. Elaboration of the system maintenance plan	01/01/2018	10/01/2018
FORTEC	**7. Evaluation and Monitoring**	**01/01/2018**	**31/12/2019**
	7.1. Selection and collection of information on impact monitoring indicators	01/01/2018	31/12/2019
	7.2. Analysis of the indicators: quarterly reports	01/01/2018	31/12/2019

Role in the project partner sought "Organization representing the training offer"

☐ Coordination	☐ Research
☐ Technology Development	☒ Dissemination
☐ Training	☒ Others (ICT sector research based on secondary sources and interviews with experts. Validation of the DETECTA tool design. Use of the tool to establish sectorial conclusions regarding the evolution of the training offer in the ICT sector)

Expertise required:

Experience in study and sociological research, Knowledge of the ICT sector training offer

Task to be performed by the partner sought (Clearly specify the technical requirements and other roles that the potential partner would fulfill within the project):

2.1. Study of the economic-business framework of the ICT sector through secondary sources 2.2. Prospecting trends in the sector: changes and difficulties. Interviews with experts. 2.4. Study of the formative reality of the sector: regulated and non-regulated training offer 3.2. Identification of sources where ICT training offers are published 5.2. Analysis of the training offer (areas of knowledge, locations, objectives, etc.) 5.4. Determination of training deficits according to different parameters (professional profile, location, type of company, etc.) 5.6. Elaboration of an intervention plan: improvement measures 6.1. Design and supply of the web portal of the project and elaboration of informative material 6.2. Application of off-line dissemination measures 6.3. Application of on-line dissemination measures

Illustrative budget: 120.000€