The Agronomic Linked Data (AgroLD) project

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CALL FOR DEMONSTRATION

2017 EFITA CONGRESS

EUROPEAN CONFERENCE DEDICATED TO THE FUTURE USE OF ICT IN THE AGRI-FOOD SECTOR, BIORESOURCE AND BIOMASS SECTOR

Closing of on-line abstract submissions: **April 18, 2017.**

EFITA 2017 will include regular oral presentations with slides, poster presentations and demonstrations. The submission procedure for demonstrations is specific. The timeline for demonstration submission is the same as for regular or poster communications. The demonstrations will emphasise proven deployed ITC solutions that the community should know about and innovative research and development systems. A demonstration should describe functionalities as well as technical content to understand how the functionalities are provided in the demonstrated software or device. The criteria for review include relevance to conference topic, quality of technical content of the demonstration, originality of the contribution.

Maximum form length: **2 pages**.

I. About your profile

demonstration coordinator	Last name and first name	LARMANDE Pierre
	Area of expertise	Bioinformatics and data management
	E-mail address	Pierre.larmande@ird.fr
	Phone number	Living abroad (better use skype)
Your organization	Name of your organization	IRD
	Type of organization	UMR DIADE French public establishment
	Organization description and activity	The French National Research Institute for Sustainable Development (IRD), an internationally recognised multidisciplinary organisation working primarily in partnership with Mediterranean and inter-tropical countries, is a French public establishment under the joint authority of the French Ministry of Higher Education and Research and the Ministry of Foreign Affairs and International Development.
	Address of the organization	
	Website	

II. About your demonstration

Demonstration title	The **Agro**nomic **L**inked **D**ata (**AgroLD**) project
Key word(s)	Plant Molecular Biology, Agronomy, Data Integration, Knowledge Management, Semantic Web, Linked Data, RDF
Technical content of the demonstration	The demonstration will show real life biological questions on distributed triplestores according different user interfaces (e.g. visualisation, SPARQL, Keywords, Forms). Also, the demonstration will give a brief overview of the domain ontologies used to link the different datasets.

Relevance to conference topic and track	The application is focus on agronomical data from molecular biology to the whole plant studies under different environnement. Furthermore, it demonstrate the use of Linked Open Data to manage agronomical knowledge.
Originality of the demonstration and its content	The objective of the current effort is to develop RDF knowledge bases that integrates existing domain specific ontologies and data from the respective French regional bioinformatics agronomic portals, promoting data interoperability between the resources. The demonstration will show real life biological questions on distributed triplestores.
A description of your demo that will appear in the program	Agronomy is an overarching field that consists of various areas of research such Genetics, Plant Molecular Biology, Ecology and Earth Science. At the Institute of Computational Biology (IBC), we are currently building a RDF knowledge base, **Agro**nomic **L**inked **D**ata (AgroLD – www.agrold.org). The knowledge base is designed to integrate data from various publically available plant centric data sources. The aim of AgroLD project is to provide a portal for bioinformatics and domain experts to exploit the homogenized data model towards filling the knowledge gaps. To this end, we plan to engage with stakeholders in demonstrating the advantages of SW in answering complex domain relevant questions that were unapproachable using traditional methods, strategically filling knowledge gaps.

Demonstration requirements	Materials needed	Duration of Preparation. Duration of Demo	Space needs	Safety considerations
	Detail the equipment necessary to realize your demonstration, specifying the material you already have and the material that we have to put at your disposal.	*Recommended demonstration duration is 20 minutes. If big demonstration, please submit in 2 parts*		*If there are.*