



Bundesministerium  
für Ernährung  
und Landwirtschaft



Announcement and Call for Participation

# Linked Open Data in Agriculture

International Workshop in Berlin, September 27–28, 2017

Linked Open Data (LOD) combines the technology of globally linked data with the philosophy of free access to information. LOD overcomes the limits which traditional information distribution reaches in view of the increasing amount of data and information. In the agricultural sector, efforts are being made to exploit the potential of this approach, in particular with regard to global food security, site-adapted agriculture and international research collaboration. In this process, it is important to overcome the obstacles and to network existing initiatives. We therefore invite you to a workshop which aims to promote the application of linked open data (LOD) in the agricultural sector. This event will take place during the German G20 presidency 2017 and is attached to activities of the G20 Agricultural Chief Scientists (MACS) on information and communication technology (ICT), which China has initiated during its G20 presidency 2016.

## Goals

- Capture current State-of-the-Art in Linked Open Data
- Determine data demand and supply
- Exchange failure and success stories
- Discuss on applications and usage (potential and realized)
- Develop options for further actions (political and technical)

## Format

The two-day professional workshop will be targeted at an international audience with impulse lectures by experts and discussion sessions. Both days include a two-track program with parallel sessions. One track is about policy implementation, focussing on the country and organization level, e.g. data ownership and data rights, investment in information, while the other track covers cutting edge technology such as new applications and services.

## Topics

- Data Ownership, Legal Issues, Privacy and Security
- Earth Observation Data: Sentinel, Copernicus programs
- Farm Management and Value Chain Applications
- Information Science: Knowledge Management, Information Retrieval, Library Science
- Infrastructure: Networks, Coverage, Software, Governance, Business Models
- Institutional Open Data Policies
- International Regulations and Agreements
- Open Geodata (Openstreetmap, INSPIRE, field data, soil data...)
- Product Data (Seeds, Fertilizers, Pesticides: Base data for farm management and research)
- Specifications and Standards, Semantics, Data Interoperability, Linking Technologies

## Call for Participation: Share your expertise, provide impulses!

In total, this event offers space for about 40 impulse lectures of about 15 minutes on the above topics. Each 3–4 lectures are grouped into topic blocks, followed by a discussion for all attendees.

We invite submissions of abstracts for the impulse lectures, not exceeding one page. Incoming abstracts are reviewed, selected and compiled by the organization committee. Accepted contributions will be included in the program and printed in the conference book of abstracts.

Please send your abstract until June 23<sup>rd</sup>, 2017 by mail to [lodworkshop@ktbl.de](mailto:lodworkshop@ktbl.de).

## Registration and Workshop Website

For most recent information see:

<http://www.macs-g20.org/annual-meetings/upcoming-meetings/germany-2017/>

You can register at:

<http://www.bmel.de/lod-workshop2017>

## Program committee

- Ajit Maru (GODAN)
- Andres Ferreyra (agGateway initiative, United States)
- Annerose Heuer (BLE, Germany)
- Arno Ruckelshausen (University of Applied Sciences Osnabrück, Germany)
- Catherine Roussey (IRSTEA, France)
- Christopher Brewster (TNO, The Netherlands)
- Daniel Martini (KTBL, Germany, Co-Chair)
- Elizabeth Arnaud (CGIAR, France)
- Jerzy Weres (University of Poznan, Poland)
- Johannes Keizer (GODAN, Chair)
- Medha Devaere (CGIAR, France)
- Nikos Manouselis (eROSA project, Greece)
- Odile Hologne (INRA, France)
- Olaf Hering (JKI, Germany)
- Patricia Rocha (Embrapa, Brazil)
- Reiner Doluschitz (University of Hohenheim, Germany)
- Sander Janssen (University of Wageningen, The Netherlands)
- Tom Tomich (UC Davis, United States)
- Ulrich Adam (CEMA, Belgium)
- Valeria Pesce (GFAR, Italy)
- Wang Zhong (Institute for improving of Pig Breeding, Guangzhou, China)
- Zhang Xue Fu (CAAS, China)

## Organisation committee

The initiators of this workshop are the German Federal Ministry for Food and Agriculture (BMEL), the Global Open Data for Agriculture and Nutrition Initiative (GODAN) and the Association for Technology and Structures in Agriculture (KTBL). The Federal Office of Agriculture and Food (BLE) is responsible for the event management.

## Important deadlines and dates

Abstract submission	Friday, June 23 <sup>rd</sup> , 2017
Feedback on abstract	Friday, July 14 <sup>th</sup> , 2017
Draft Program available	Friday, July 14 <sup>th</sup> , 2017
Final program available	Monday, July 31 <sup>st</sup> , 2017
Workshop	Wednesday, September 27 <sup>th</sup> – Thursday, September 28 <sup>th</sup> , 2017

## Contact

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