



# Third Community Workshop for Societal Challenge 2 – Food and Agriculture

CLORA headquarters, Brussels, 31 March 2017

## Agenda

08:30 - 09:00	<i>Arrivals &amp; coffee</i>	
09:00 - 09:30	<b>Welcome &amp; Introductions</b>	Odile Hologne, Nikos Manouselis, Kimmo Rossi
09:30 - 12:00	<b>Session 1. <i>Data Sharing for Collaboration</i></b>	
09:30 - 09:50	Presentation on current status of the European Open Science Cloud (EOSC)	Wim Haentjens (DG RTD)
09:50 - 10:10	Presentation from DG AGRI on current activities (such as the upcoming EIP AGRI Data Sharing & Digital Innovation Hubs seminars)	Ana Cuadrado Galvan (DG AGRI)
10:10 - 10:30	eROSA vision and stakeholder engagement within e-ROSA	Odile Hologne (INRA) and Johannes Keizer (GODAN)
10:30 - 11:00	<i>Q&amp;A session, open discussion slot</i>	<i>all</i>
11:00 - 11:20	Presentation slot on French agricultural data platform AgGate	Véronique Bellon Maurel (IRSTEA) (remotely via Skype)
11:20 - 11:40	Presentation slot on the Agrimetrics Institute (UK)	Richard Tiffin (University of Reading / Agrimetrics)
11:40 - 12:00	<i>Q&amp;A session, open discussion slot</i>	<i>all</i>
12:00 - 12:30	<b>Working Light Lunch break</b>	

<b>12:30 - 14:30</b>	<b>Session 2. Building a European Data Economy</b>	
12:30 - 12:50	EC Communication on Building a European Data Economy	Saila Rinne (DG CONNECT)
12:50 - 13:10	Introduction to the CAPS agenda & agri-food projects; positioning in the data economy discussions	Fabrizio Sestini (DG CONNECT)
13:10 - 13:30	Mapping the global data ecosystem: introducing the first activity of the GODAN Data Ecosystem WG	Nikos Manouselis (Agroknow)
13:30 - 13:50	Presentation of the H2020 Big Data Lighthouse Pilot DataBio	Karel Charvat (CCCS)
13:50 - 14:10	Presentation of the H2020 IoT pilot IoF2020	Sjaak Wolfert (WUR LEI)
14:10 - 14:30	<i>Q&amp;A session, open discussion slot</i>	<i>all</i>
<b>14:30 - 15:00</b>	<b>Wrap up &amp; action points</b> What does the EC need from the community? What does the community need from the EC? Who commits to do what next?	

## Expectations and Background

The Big Data Europe Consortium, with its partners for societal challenge “food and agriculture” (SC2) [FAO](#) and [AgroKnow](#) and together with the e-ROSA H2020 CSA represented by the Institut National de la Recherche Agronomique ([INRA](#)), organized a 2nd workshop on European Policy Perspectives on Data-intensive Agriculture & Food, the third one in the series of Big Data Europe (BDE) workshops for this societal challenge.

The meeting was a follow-up to the 2nd BDE SC2 workshop / 1st policy workshop we held in September 2016.

We gathered together again a selected group of EC representatives (from DG AGRI, DG CONNECT, DG RTD, the e-ROSA project but also other initiatives) that are working on agendas or projects relevant either to open data and big data in general or more specifically to the use of data for food and agriculture, as well as a number of actors working in agricultural research and industry and already collaborating in international open data initiatives in our field.

The intention was to give the opportunity to EC representatives (from DG AGRI, DG CONNECT, DG RTD) to share with the community representatives the most recent developments in terms of funding agendas or projects relevant to big and open data in agriculture and food, and also to

help projects in Europe to better shape and align their agendas in order to better serve the policy and strategy objectives of the EC.

The one-day workshop took place at the CLORA premises in Brussels on 31/03/2017.

## Setting the scene

The agenda (see above) was organized around two main sessions:

The agenda was organized around two main sessions:

**1) Data sharing for collaboration**, where one of the key discussions was on how data sharing may enable collaboration, covering topics related to the European Science Cloud (EOSC), the FAIR principles, and the EIP AGRI Workshop on Data Sharing.

Wim Haentjens (DG RTD) presented the current status of the European Open Science Cloud (EOSC), he explained their work on governance, where they are trying to create an adequate level of representativeness from different country and different areas of science. He remarked the need of doing more research actions, more investments regional and private, and more international collaboration, as well as the urgency of a co-funding model. Wim identified the following points as main issues of the workshop:

- how to create a culture of data stewardship,
- how to explain the value of open data and sharing data,
- the FAIR principles,
- the research data infrastructure,
- mapping needs for scientific community.

Ana Cuadrado (DG AGRI) presented the current activities in research and innovation, focused on how to make farmers invest in technology. She introduced the EIP AGRI Data Sharing & Digital Innovation Hubs seminars that aims to connect people and existing initiatives that are able to provide technical and financial contribution to the Digital innovation hub. Johannes Keizer (GODAN) presented the eROSA vision and the stakeholder engagement within e-ROSA. Véronique Bellon Maurel (IRSTEA) presented AgGate, a French agricultural data platform, with the goal to facilitate open innovations for a data driven agriculture, to share benefits between actors. She emphasized the urgency to have a unique access to data, and the need to encourage data sharing. Richard Tiffin from the Agrimetrics Institute (UK), a big data centre of excellence, presented their work on building a federated data ecosystem in order to make data accessible, to facilitate data sharing, and to make data more valuable.

**2) Building a European Data Economy**, where the discussions were mainly about the recent EC communication on Building a European Data Economy and how the agriculture and food communities reflect on that. Some key data-powered H2020 large scale pilot initiatives were

presented and discussed.

Saila Rinne (DGCONNECT) presented EU vision about building a European Data Economy and she remarked the problems related to the limited access to data, the lack of policy framework, and the contract terms for the weak parts. She also outlined the future EU actions regarding public consultations with member states to define next steps. Fabrizio Sestini (DGCONNECT) introduced the CAPS agenda & agri-food projects, he focused on enabling decentralized data governance, creating distributed architecture where each piece of user-generated information remains under the full control of the user who generated it. Nikos Manouselis, in his presentation: "Mapping the global data ecosystem", introduced the first activity of the GODAN Data Ecosystem Working group, and he emphasized the importance of working together to build a powerful data ecosystem. Then two H2020 new projects were presented: Big Data Lighthouse Pilot DataBio by Karel Charvat, and the H2020 IoT pilot IoF2020 by Sjaak.

## Discussions

Presentations were followed by Q&A sessions and a final discussion took place at the end of the workshop.

Among the most relevant issues raised by presentations and questions asked and discussed at Q&A time were:

- how to make farmers invest in technology
- DG-AGRI explore existing potential data governance models focusing on the benefits for the farmers
- Importance to have access to banking data
- Problems: limited access to data, lack of policy framework, contract terms for weak parts, possible solutions: guidance on data sharing, technical solutions to share data, default contract rules, data producer's right, access against remuneration, advantages contract terms favourable.

## Conclusions

The workshop itself met the expectations that we had (as set out in the background chapter), in that:

- We managed to make our EC colleagues aware of key initiatives at the global level on data infrastructures and data sharing in the field of food and agriculture, and comments from the EC representatives confirmed that they appreciated the sharing of information and agreed that there should be some regular convening mechanism for these consultations.
- We learned a lot from our EC colleagues about the most recent developments in terms

of their funding agendas and projects relevant to big and open data in agriculture and food.

At the workshop all the participants agreed on:

- Working together, European community, the BDE partners as those of the other initiatives present at the workshop, to build a powerful data ecosystem.
- Focusing on how to explain the value of open data and sharing.
- Any technical infrastructure will be developed in the future, within the European Community, should refer to the European Open Science Cloud Initiative (EOSC).
- The collaboration between the European Community and the BDE partners and those of other present initiatives has been consolidated.
- The European Community identified in the initiatives present at the workshop (GODAN, BDE E-ROSA, AgGate) the community of reference (outside of the EC), to multiply the effects of what is done within the EC.

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All presentations are available on Slideshare: <http://www.slideshare.net/tag/BDESC2W3>

All photos are available on

Flickr: <https://www.flickr.com/photos/133018547@N06/albums/72157679197779933>

## Participants

	Name	Affiliation
1	Saila Rinne	DG Connect G.1
2	Ana Cuadrado Galvan	DG AGRI.B.2 - Research and innovation
3	Corina Buruiana	DG Dissemination and Reuse, Publications Office of EU - OP.C.1
4	Karel Charvat	Pilot coordinator in DataBio
5	Louis Mahy	AGRI.B.2

6	Sergiu Didicescu	EIP-AGRI
7	Ulrich Adam	CEMA aisbl - European Committee of Associations of Manufacturers of Agricultural Machinery
8	Daniel AZEVEDO	Senior Policy Advisor, COPA-COGECA
9	Sjaak Wolfert	Scientific coordinator of the IoF2020 project
10	Pilar Ocon-Garces	DG Connect C.1
11	Wim Haentjens	DG RTD.F3
12	Hans-Joerg Lutzeyer	DG RTD
13	Fabrizio Sestini	Senior Expert, Digital Social Innovation, DG CONNECT
14	Christopher Brewster	TNO
15	Derek Scuffel	Syngenta
16	Pythagoras Karampiperis	Agroknow, coordinator of AGINFRAPLUS
17	Nikos Manouselis	Agroknow
18	Odile Hologne	INRA
19	Sander Janssen	Alterra - Wageningen UR
20	Johannes Keizer	GODAN Secretariat

21	Valeria Pesce	FAO/GFAR
22	Panagiotis Zervas	Agroknow
23	Richard Tiffins	University of Reading / Agrimetrics
24	Simon Scerri	Fraunhofer IAIS
25	Ruthie Musker	GODAN
26	Madeleine Huber	INRA

*Report by Antonella Picarella (FAO)*