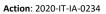# SEBASTIEN

"Smarter livEstock Breeding through Advanced Services Tailoring Innovative and multi-sourcE data to users' Needs"

M1 – Minutes of the Kick-off meeting

Milestone Lead	CMCC
Milestone due date	2022/01/31
Status	FINAL
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Project	SEBASTIEN

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DOCUMENT INFORMATION

Title	Milestone 1
Agreement	INEA/CEF/ICT/A2020/2373580
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Creator	CMCC
Milestone Description	Kick-off Meeting
Means of verification	Minutes of the meeting
Contributors	Paola Nassisi (CMCC), Alessandro D'Anca (CMCC), Antonio Aloisio (CMCC), Laura Conte (CMCC)
Requested deadline	M1
Reviewer	Federica Gabbianelli (UNITUS), Chiara Dellacasa (CINECA)

SEBASTIEN Kick-off Meeting - January 14th, 2022

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SEBASTIEN
"Smarter livEstock Breeding through Advanced Services
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Agenda of the meeting:

Start	Duration	Topic	Chair
09:50	10 min	**Connection to the online meeting**	
10:00	20 min	**Welcome and "SEBASTIEN in a nutshell"**	CMCC
10:20	10 min	**CEF programme: practical and administrative information**	HADEA
10:30	28 min	**Introduction of partners** (4 minutes per partner) 1. CMCC 2. CINECA 3. NEATEC 4. NATURE4.0 5. UCSC 6. UNITUS 7. AIA	ALL
10:58	2 min	**Group photo**	ALL
11:00	**15 min**	**Coffee break**	
11:15	20 min	**Activity 2: Outlining geospatial to livestock data gathering, processing and integration steps**	UNITUS
11.35	10 min	Discussion	ALL
11:45	20 min	**Activity 3: Data platform for livestock management**	CMCC
12:05	10 min	Discussion	ALL

12:15	20 min	**Activity 4: Stakeholders' involvement: from co-design to co-evaluation**	UCSC
12:35	10 min	Discussion	ALL
12:45	20 min	**Activity 6: Open Data and Services Exploitation Portal for the livestock sector**	CINECA
13:05	10 min	Discussion	ALL
13:15	**60 min**	**Lunch break**	
14:15	20 min	**Activity 5: Outreach and sustainability**	UNITUS
14:35	10 min	Discussion	ALL
14:45	20 min	**Activity 1: Project coordination and management**	CMCC
15:05	10 min	Discussion	ALL
15:15	10 min	**Consortium body formal constitution**	CMCC
15:25	5 min	**Wrap up**	CMCC
15:30		**End of the meeting**	

SEBASTIEN
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Minutes of the meeting:

10:00   Welcome and "SEBASTIEN in a nutshell"   CMCC

Antonio Aloisio gave some technical information about the meeting.
The project coordinator, Paola Nassisi, presented Sebastien in a nutshell, introducing the consortium, the scope, the objectives, and an overview of activities.

10.20   CEF programme: practical and administrative information   HADEA

The Project Officer Fani Tsirantonaki presented the CEF Telecom programme and gave some tips and practical information about the implementation phase.

10.30   Introduction of partners   ALL

Each partner presented its institution along with the staff involved in the project and their roles.

11.15   Activity 2: Outlining geospatial to livestock data gathering, processing and integration steps   UNITUS

Marco Milanesi gave an overview of the data gathering, processing and integration steps towards Activity 3.
3 main objectives are expected to be reached:
- identifying data sources that best suit the Action's results purposes
- exploring indicators or indices to describe the environmental and animal parameters that influence livestock welfare
- preparing the basis for the development of activity 3, creating all necessary datasets

Discussion:
Question by Fani who had misunderstood that some tasks would be for free because Marco mentioned the exploitation of the results in the Highlander project. Marco meant month 3 concerning the number of the first deliverable.
Marco also pointed out that the idea is to continue reviewing the literature because other projects are ongoing and probably new indicators and indices will be developed. The idea is therefore to continue reviewing the literature and also our project results, to make sure of using the latest and most recent research and results in Sebastien. There will be a preliminary review with the deliverable with all the results, and if something should appear after that, it will be integrated into the analysis. The aim is to be as up to date as possible until the end of the project.

11.45   Activity 3: Data platform for livestock management   CMCC

Marco Mancini illustrated Activity 3 - Data platform for livestock.
The objective is to build a database of indicators for livestock by collecting, integrating, and analyzing heterogeneous datasets, etc. including real-time data from in situ sensors or near real-time (satellite data).
The activity results will be a data platform including tools to provide analytics procedures to build new information and knowledge starting from available raw data.

Marco showed the 3 tasks in this activity, specifically data gathering, the data access layer and the database of indicator indices.

Marco was wondering about the possible addition of new datasets and how to integrate them, and also how to build indicators.

Before the discussion, Marco provided a draft of a potential Data Platform Architecture based on the extension of the Data Delivery System developed in HIGHLANDER.

Discussion:

Question by Riccardo Valentini (Nature 4.0) about the legacy system from the past projects. He wonders if we should maintain the current structure for data ingestion and points out how important data visualization is for stakeholders. Therefore, the interface for data visualization should be simple, clear and with meaningful information. Could it be possibly developed using the Grafana package?

Marco: We can have different ways of integrating the legacy system with some sort of driver adaptors. We are not going to modify any legacy system also thanks to a high-level query language.

Question by the PO: any time constraint on waiting for the other project (Highlander) to finish?
Marco: the tools have already been deployed as part of Highlander so there is no problem (e.g., the framework is already in production at CMCC). In Sebastien, we are going to develop an extension of the tool.

Question by Giuseppe Trotta (Cineca) requesting for clarification on the ingestion process and what happens in this phase.
Marco: A driver-based approach where we just access external data is possible, converting data when we need to converge to some of our data models.
We can also have data that comes directly, with protocols, scripts and drivers that will collect and clean data and move data to storage.
This is a draft that should be the topic for further discussion during the next technical meeting. The idea is to have an ingestion layer where we can define how data is accessed, stored, cleaned and so on, to represent all the procedures where data is ready to be exposed through the query language.

Question by Alessandro d'Anca (CMCC): Can we use a restAPI or something else to access data or services from outside, for instance from the web?
Marco: yes, it is not defined at the moment, we can think of exposing restAPI or OGC-WMS, it depends on the requirements.

12.15   Activity 4: Stakeholders' involvement: from co-design to co-evaluation   UCSC

Paolo Ajmone-Marsan presented Activity 4 about stakeholders' involvement.
He mentioned the 4 objectives in the Activity:
- identification of the stakeholders along the Production chain;
- stakeholders' engagement and use as consultants, while also identifying champions. Stakeholders, therefore, represent the chain on the one hand and they are willing to collaborate closely with the project, on the other hand;

SEBASTIEN
"Smarter livEstock Breeding through Advanced Services
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- review and shortlist with stakeholders of the indicators that come from Activity 2 (scientifically based indicators) and refinement of services and tools, including an evaluation of how the results of this analysis are to be displayed;
- evaluation of the final prototype services.

Discussion:
Comment by Monia Santini: we can use (task 4.3) a bi-dimensional matrix (fit-to-use and fitness-to-purpose evaluation matrix) to understand if the indicators are useful for the users/stakeholders and to figure out how to evaluate even if the indicators could be upscaled.

12.45   Activity 6: Open Data and Services Exploitation Portal for the livestock sector   CINECA

Cinzia Caroli presented Activity 6 - Open Data and Services Exploitation Portal for the Livestock Sector and its objectives:
- creation of the Sebastien Open Data catalogue as an extension of the Highlander catalogue
- development of a web portal of application and services

The first steps of Activity 6 concern tasks T6.1 "Open Data Policy" and T6.2 "Open Data Catalogue" and are dependent on the tasks of Activities 2 and 3.
Formulation of the Open Data Policy to be adopted in the SEBASTIEN Portal is strictly related to the datasets identified in A2. Tools developed in A2 will be integrated into the Open Data and Services Exploitation Portal.

Discussion:
Question by the PO: activity 6 results will be an extension of the Highlander platform.
There's a milestone in the grant to use the context broker, but will it be used here or in activity 3?
Cinzia's and Marco's answer is that it will be used in Activity 3, which is related also to the Fiware integration and NGSI-LD API.
Fani (PO): Maybe we should correct milestone nr. 19 and move it to Activity 3, but it is not important, it is a milestone that expires at the end of the project, no need to make an amendment for this.

Question by Paola about the services in task 6.3 that should be implemented as web services or for mobile devices: any idea of or any experience in mobile Apps?
Cinzia: no, at the moment CINECA provides the web interface services in HIGHLANDER. The services will be web based and integrated into the web portal. Giovanni Chillemi said Neatec has long experience with mobile Apps and Alessandro Rullo confirmed they have long experience with the development of Apps for other research projects and they are Leader of Task 6.4.

14.15   Activity 5: Outreach and sustainability   UNITUS
moved forward before lunch (12.30).

Federica Gabbianelli talked about Activity 5 which aims to implement a strategy for the successful communication and dissemination of the Action's goals and results. About this, she asked who will be the members of the Outreach Team that will have to be appointed to ensure the coordination and circulation of information about the project. The Communication Plan and the Dissemination Plan will be delivered and periodically updated.

SEBASTIEN
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PO reminder: Fani reminded everyone to share the dissemination material with Hadea and to use social channels etc. to promote the project implementation

14.00   Activity 1: Project coordination and management   CMCC

Laura Conte broke down the different coordination and management aspects related to the implementation of the Action and quality assurance.
She mentioned the monitoring of project activities through Activity Leaders' meetings that will be held every month; the technical and financial report will be made available every 6 months.
The PC will set up all necessary tools to allow effective collaboration within the consortium, including 5 mailing lists (Project Management Board, Supervisory Board, Activity Leaders and Task Leaders, All members, Administrative Contacts), and a shared workspace on Google Drive, where all materials and documents related to the Action will be available.

Discussion:
Paola Nassisi raised a question about some deliverables coinciding with the milestones either in terms of topic, format, or deadline. The suggested solution was to use the deliverables as a draft for the milestones.

14.30   Consortium body formal constitution   CMCC

Antonio Aloisio showed a picture of the project management structure and then went through the individual boards that make it up. This information had already been discussed, shared, and agreed upon by all partners, so that the consortium could be formally established during the kickoff.

Discussion:
Paolo Ajmone Marsan from UCSC asked for a change in the leadership of Activity 4, i.e., to replace him with Mario Barbato.

14.40   Wrap up   CMCC

The Project Coordinator congratulated everyone on their work and wished all partners a successful collaboration in the future months.

14.45   End of the meeting

The meeting ended earlier than expected.