

eCROP data exchange

eCROP data exchange

Domain	
Project Identifier	p1031
Bureau Decision #	
Project Proposal	eCROP data exchange
Supporting VC	Harm Jan van Burg
Project Lead	Henk Zwinkels
HoD Support	AT NL US
Status	COMPLETED
Draft Development	31 Aug 2016 - (BRS , RSM , XML SCHEMA)
Exit Date	21 Dec 2016 - (BRS , RSM , XML SCHEMA)

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p1031	eCROP data exchange	Completed

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Project Deliverables

Deliverable	ODP1	ODP2	ODP3	ODP4	ODP5	ODP6	ODP7	Notes
eCROP data exchange (BRS,RSM, XML SCHEMA)								

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Project Leadership

Role	Member
Project Lead	Henk Zwinkels
Lead Editor	To Be Defined
Editor	Frans van Diepen
Additional editors or members	

Project Activities

Team Calendars

Heads of Delegation

Austria	The Netherlands	US
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Executive Summary

Project purpose

The purpose of the project is to create Business Process Models and Business Class Diagrams for documenting the business scenarios and business transactions involved in the electronic exchange of the data involved in the process of cultivation of crops (arable farming and horticulture) and the electronic exchange of crop cultivation data along the supply chain.

The process is described by several use cases:

- To send a request and the report about plant production such as the cropping schema , crop advice services, field operations and crop and soil monitoring data (nearby and remote sensing) between one or more partners
- To send the request and the report of crop cultivation data between one or more partners.

The output will be used to obtain and validate the XML messages to support the business process.

Project scope

The objective of this project is to standardize the Business Processes, the Business Transactions and the Information Entities of the electronic exchange of the crop cultivation data along the supply chain.

This project will describe the business processes for the electronic exchange of

- data involved in the process of plant production farming, between farmer and his suppliers, service providers, the customers and competent authorities, vise versa, and
- the crop cultivation data along the supply chain.

The project focuses on horticulture, fresh fruits, vegetables and arable farming crops. The supply chain consist in parties involved from retail until the

grower including cooperatives and producer organization, auctions, packers and traders.

The data involved in the plant production process messages contains

- Information about the crop fields, the planned and or actual cropping schema, treatment, plant health, soil and water situation, crop monitoring data, supplies (seed, fertilizer, plant protection), operation advices and operation instructions and the logging report about operations.

The information is used by the farmer and his partners to insure sustainable farming , food quality and food safety.

The crop cultivation message contains

- Information about the production of the crop (Information about treatment (pesticides, fertilizers, use of energy and water)
- Information about labor (organizing of the labor in the companies in the supply chain level)
- Information about certificates

The information is used by a partner in the supply chain to insure food quality and food safety.

Project Overview

