

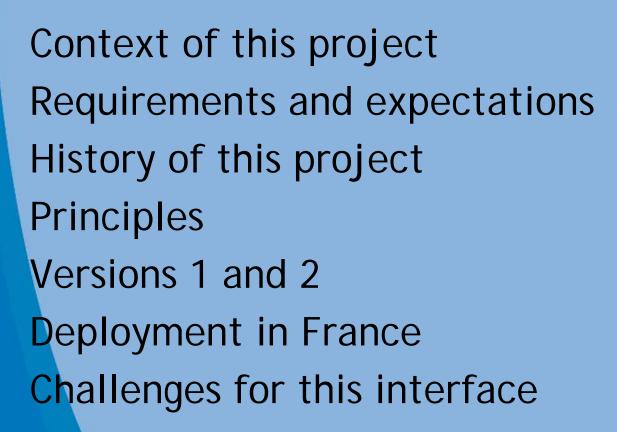
New Interface to exchange data on the farm

Authors : David Saunier, George Clyde, Robert Moore Presented : 28/05/2012



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- Increase robotic farm participation
- Increase large herd participation
- New sensors, new data.....
- Software on the farm not used (maybe 20 % of the capacity)

- Need to interpret and add value to the data
- Less time to manage the farm





Requirements and expectations



For the Farmer

- Communication: exchange data using web interface
- <u>Time</u>: reduce the time to update every system
- <u>Ouality</u>: Update the system from the national data center
- Efficiency: Collect the data for milk performance testing with the tools and sensors on the farm

For the supplier

- Use the standard interface (no special development)
- Receive milk components
- Update the system from data center, inventory, right number...

The data can be used to provide advisory services



History of this project

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2009

- Reflexion on exchanging data with automated systems
- Meeting with suppliers, and breeding organisations
- Visit to Quebec, meeting with Valacta
- Agreement with ALL the suppliers
- Agreement with Valacta to use Trans-D
- Ori-Automate has started....,

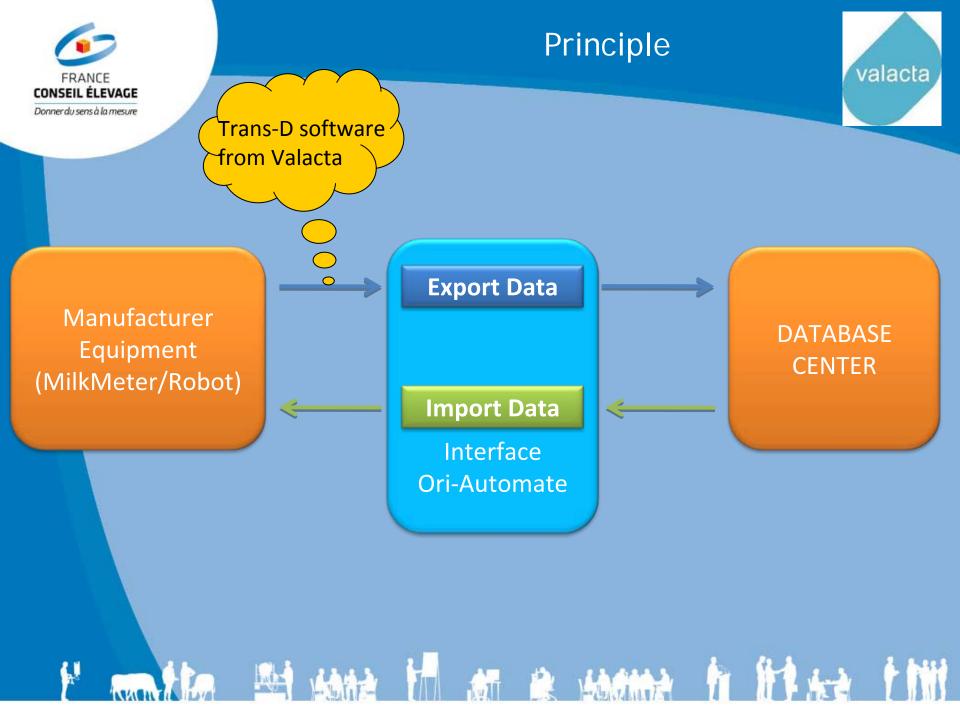
is only under control of France Conseil Elevage, no other French breeding organization

2010

Development version 1

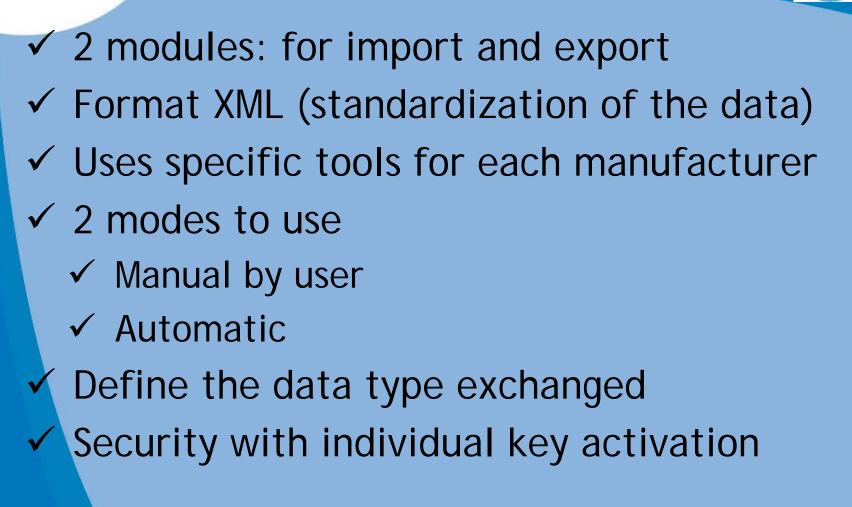
2011/2012

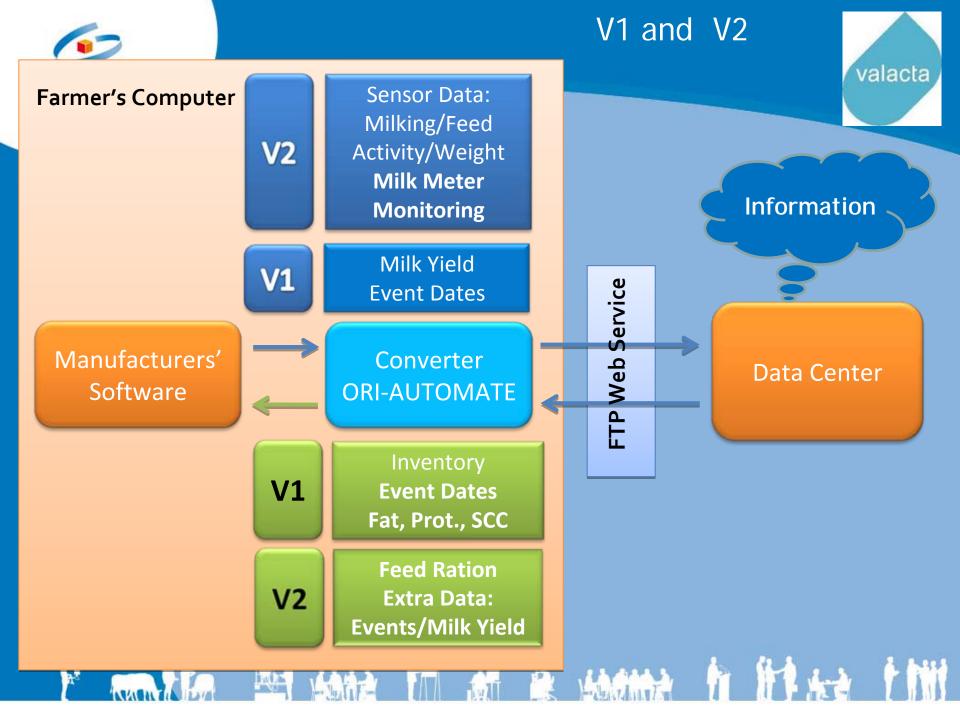
Development version 2 (Under construction)





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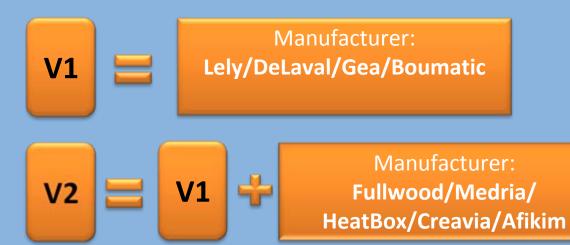






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Agreement with each manufacturer to have bidirectional exchange



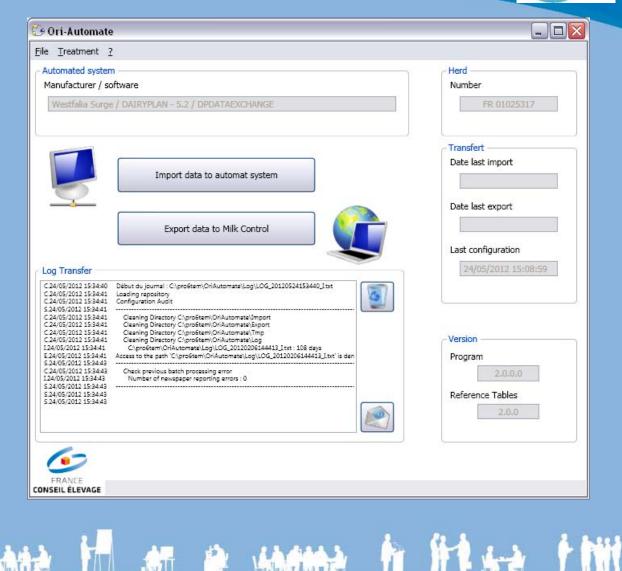




The screens



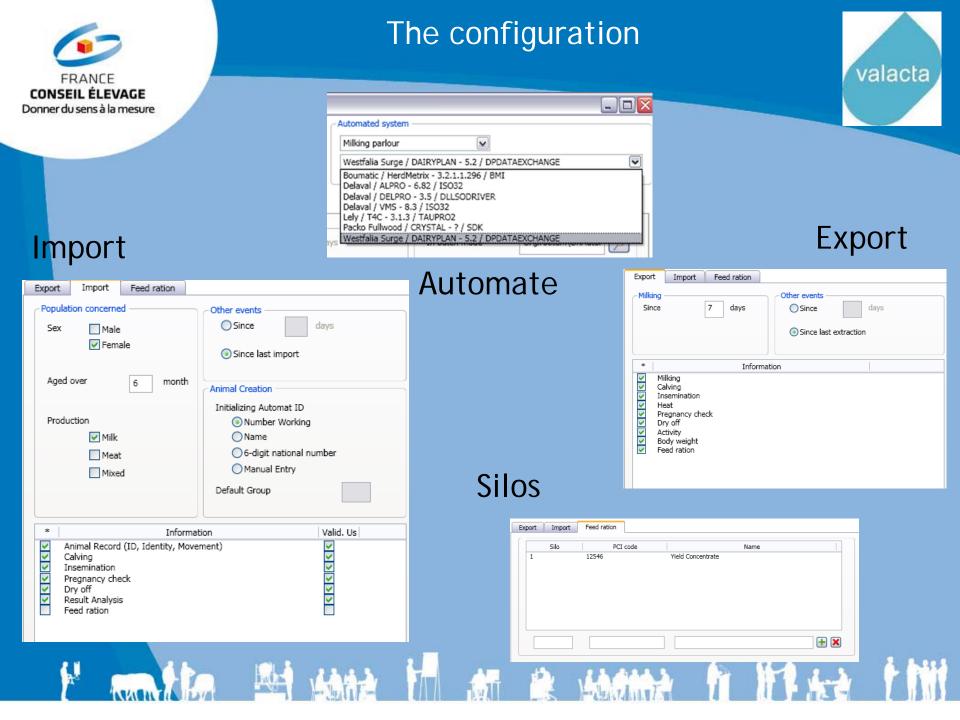
😏 Generator of activation key	
English 🖌 Logo	P
* Farm Password	New
	Import
	Generate
	• X Quit





(1)

Sa la mesure	Herd		Automated system		- 0 2	
English	~	FP 01025317		e / DAIRYPLAN - 5.2 / DPDATAEXCHANGE		
Export	Import Feed ration					1
Milking		Other events		Directory		
Since	Since 7 days Since days		iys	In batch mode Interactive mode	C:\pro6tem\OriAutor	
*	Information	1		Setup for the automat -		
	Milking Calving			Program	c:\dairypln\dpdataex	
I 🔽 I	Insemination			Directory	P	
	Heat Pregnancy check					
	Dry off Activity			Parameter	-A	
	Body weight Feed ration			Timeout (min)	10	
				- Entrance		
				Parameter		
				File	dpdataexchange_in.ads	
				Exit		
				Parameter		
				File	dpdataexchange_out.ads	
				L		





Deployment in France



For V1, XML format

Data Center	Import	Export
Douai	Setup and Operation	In construction
Zone Siel	Setup and Operation	ОК
Bretagne	Setup and Operation	In construction
Osmose	Setup and Operation	In construction
Nancy	Setup and Operation	In construction

For V2, all development for V1 works within version 2 (compatible)

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Farmer interest (demonstrate benefit) Updates to the system Additional data to exchange, health.... Integrating all new manufacturers







Thanks for your attention

