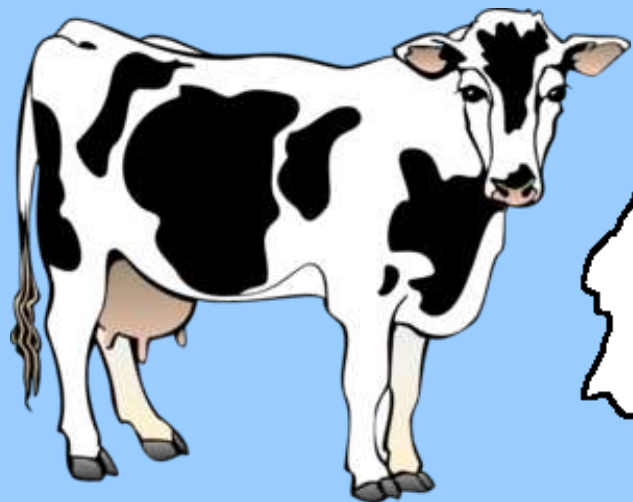




European Milk Recording



Milk Recording Organizations involved in OptiMIR decide to create an European Economic Interest Grouping called **“EUROPEAN MILK RECORDING” or EMR** to go further in their collaboration.

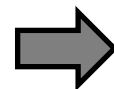
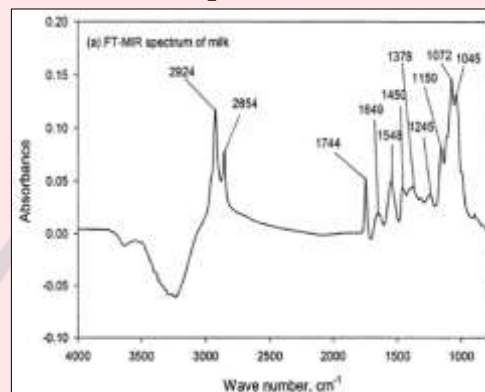


To pool and coordinate resources and means, and carry out together activities of common interest in the service of dairy farmers.

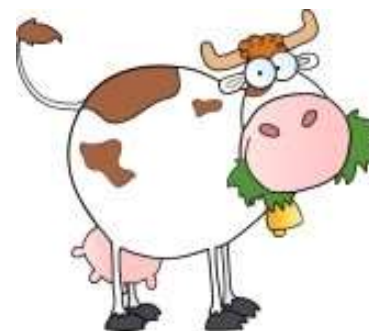


Use of milk recording data for an acute management of herd and cows

MIR spectrum



Cow 's state



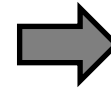
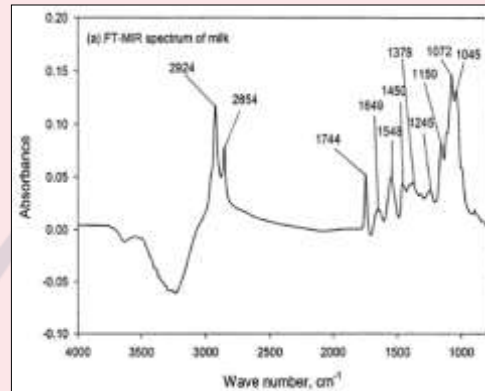
The MIR spectrum got by analysing a milk sample of one cow to provide information on its **fertility**, its **feeding**, its **health** ou its **environmental impact**.



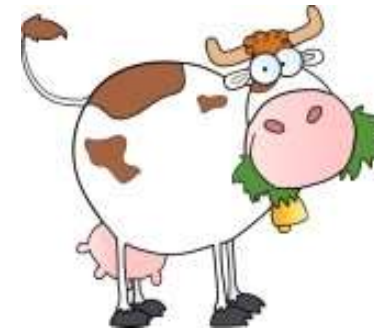


Use of milk recording data for an acute management of herd and cows

MIR spectrum



Cow 's state



MAIN RESULTS :
Ketosis Model deployed in the field
BHB, Acetone, Citrate, Mineral, Fatty Acid Equations

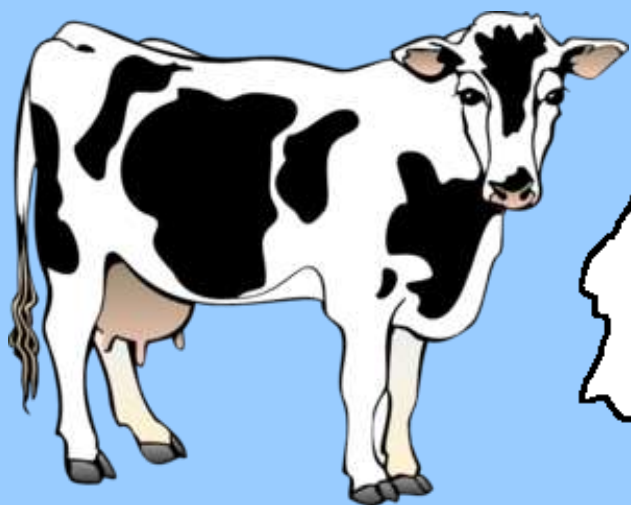




European Milk Recording

7 countries
12 members

**± 5,600,000 recorded
dairy cows in 80,000
herds**





European Milk Recording EEIG



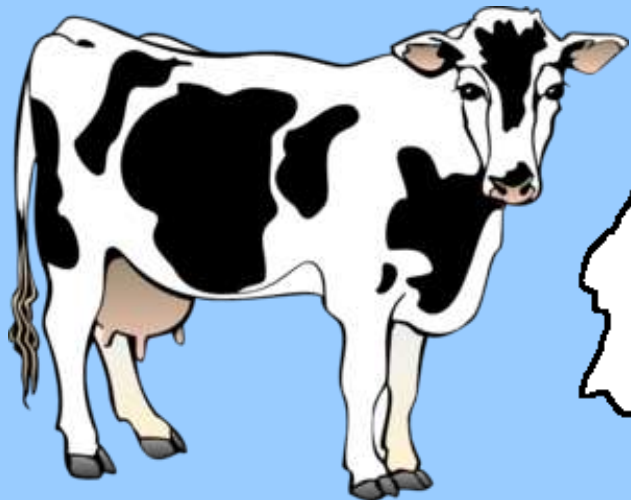
European Economic Interest Grouping





European Milk Recording

**WHAT ARE WE
DOING ?**





European Milk Recording EEIG



European Economic Interest Grouping

- To exchange on existing tools and solutions
- **To maintain the spectral data standardization and improve the ring test procedure**
- To host and maintain the OptiMIR transnational database
- To regularly upgrade the OptiMIR algorithms through agreements or contracts with public, academic or private research companies
- To facilitate supports between members
- To facilitate new investigations and developments of new MIR algorithms through agreements or contracts with public, academic or private research companies.





European Milk Recording EEIG



European Economic Interest Grouping

STANDARDIZATION OF INFRARED MILK ANALYTICAL RESPONSES (SIMILAR)

EMR standardization service enables to standardize milk mid infrared (MIR) spectra directly at the source, across milk labs, brands and models of spectrometers.

It fills the gap between the opportunity of predicting a wide range of new phenotypes from the milk and the possibility to implement them on a routine basis in the labs.

CRA-W is the technical operator of the EMR standardization service which is based on the modelling of EMR virtual Master apparatus

**A total of 91 FT-MIR apparatus are currently
in EMR standardization network**



European Milk Recording EEIG



European Economic Interest Grouping

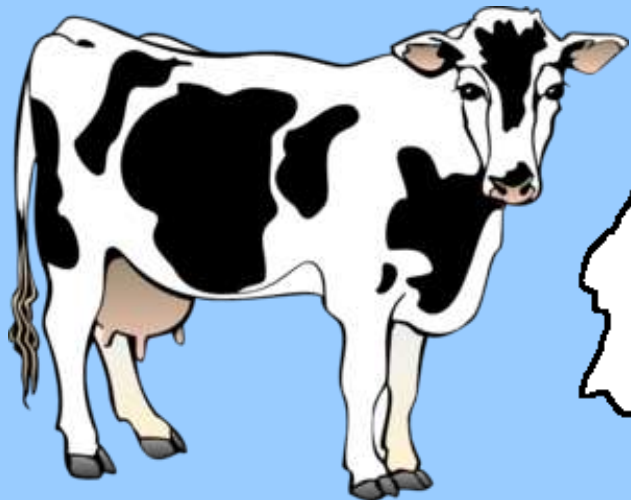
New indicators and tools based on MIR : Energy Balance, Immunity Indicator, Mastitis Predictions, Lameness....

Meeting with manufacturers especially regarding data exchanges and to promote ICAR data exchange working group job.



European Milk Recording

**WHAT ARE OUR
MAIN RULES ?**





European Milk Recording EEIG



European Economic Interest Grouping

All members abstain from competing with another member

Financial contribution and voting : 50% of the cost is shared equally between members and 50% according to the number of recorded cows

Unanimous decision (100% of the votes) of the members is required in order to:

- modify EMR formation contract and main internal rules
- admit new member
- validate budget

Any other decision requires a two thirds (66%) majority of the votes cast



European Milk Recording EEIG



European Economic Interest Grouping

	Member	N° of recorded cows in 2014	% of cows	50% of weight according to % of cows	50% of weight equally shared	WEIGHT		
1	AWE	74.227	1,32%	0,66%	4,17%	4,83%	Belgium	4,83%
2	FCEL	2.832.457	50,36%	25,18%	4,17%	29,35%	France	54,72%
3	CARA	47.180	0,84%	0,42%	4,17%	4,59%		
4	CEL25-90	104.022	1,85%	0,92%	4,17%	5,09%		
5	CLASEL	250.377	4,45%	2,23%	4,17%	6,39%		
6	CONVIS	37.571	0,67%	0,33%	4,17%	4,50%		
7	OXYGEN	71.623	1,27%	0,64%	4,17%	4,80%		
8	ICBF	595.558	10,59%	5,29%	4,17%	9,46%	Ireland	9,46%
9	LKV-BW	291.188	5,18%	2,59%	4,17%	6,76%	Germany	14,10%
10	LKV-NRW	357.109	6,35%	3,17%	4,17%	7,34%		
11	LKV-Austria	416.525	7,41%	3,70%	4,17%	7,87%	Austria	7,87%
12	NMR	546.504	9,72%	4,86%	4,17%	9,03%	UK	9,03%
		5.624.341	100%	50,00%	50,00%	100%		



European Milk Recording EEIG



European Economic Interest Grouping

Scientific Committee

8 universities or research centres

SCIENTIFIC ADVICES

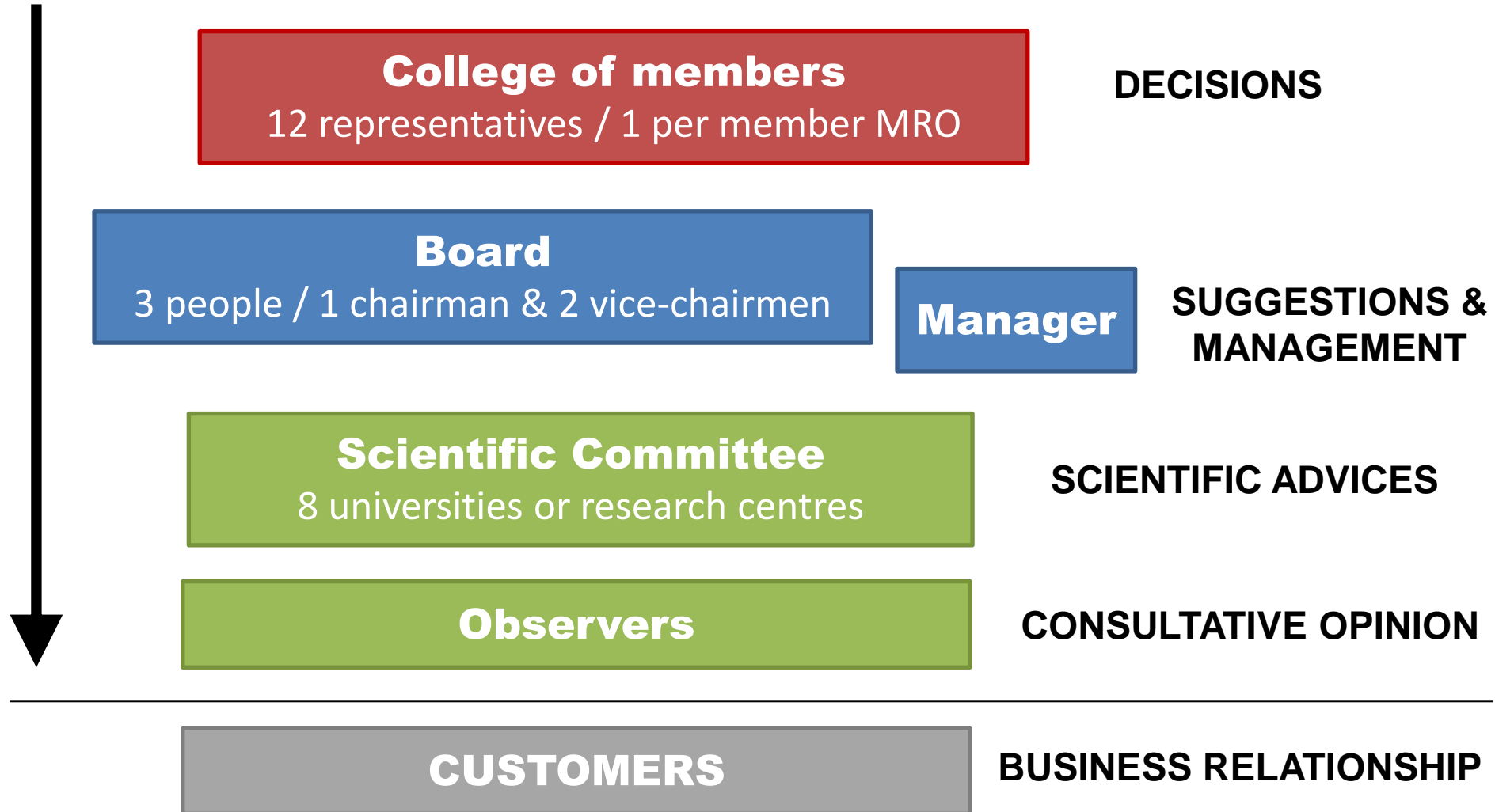




European Milk Recording EEIG



European Economic Interest Grouping





European Milk Recording EEIG



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For more information :

<http://www.milkrecording.eu/>



European Milk Recording



THANK YOU FOR
ATTENTION