



# **Boviwell:** a national initiative to help French dairy farmers to improve the welfare of cows

Béatrice MOUNAIX, Eléonore POMMIER & Valérie DAVID – Idele  
Nadine BALLOT - CNIEL



# BOVIWELL TO EVALUATE THE WELFARE OF CATTLE



**BoviWell** : Outil de diagnostic du Bien-Être Animal en élevage bovin



Questions

Feuille de saisie

Résultats



Temps estimé : Entre 45 min et 1h30 pour 2 catégories animales

Guide d'utilisation BoviWell

**Liberté 1. Ne pas souffrir de faim et de soif**

Alimentation	Abreuvement
--------------	-------------

**Liberté 2. Ne pas souffrir d'inconfort**

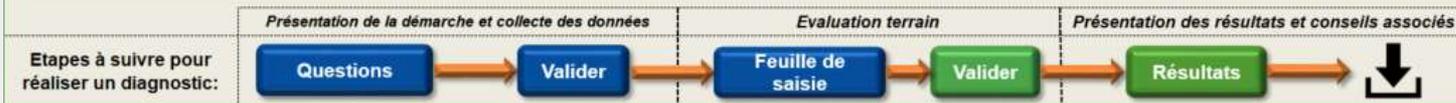
Confort	Facilité de mouvement
---------	-----------------------

**Liberté 3. Ne pas souffrir de douleurs, de blessures ou de maladies**

Santé	Pratiques
-------	-----------

**Liberté 4 & 5. Pouvoir exprimer des comportements appropriés**

Relation H-A	Accès aire d'exercice
--------------	-----------------------



Version 3.4





# IN 2018: 16 INDICATORS TESTED ON FARM

Locomotion

Udder health

BCS

0-48h mortality

Cleanliness

Disbudding practices

Resting

Management in  
great extreme  
climate

Mortality

Colostrum  
distribution

Exercise

OIE guidelines  
for the welfare  
of cattle  
(2019)

Access to  
man

Five Freedoms  
(1965)

Health plan

Watering

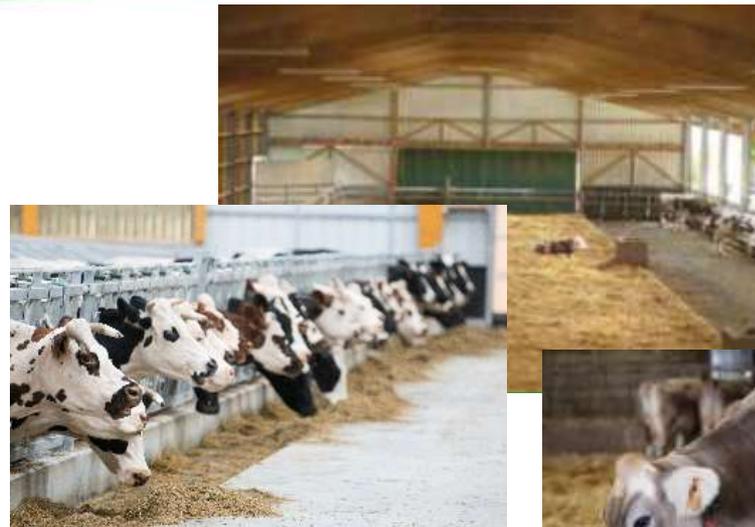
Handling



# A TOTAL OF 17 INDICATORS FOR SCORING



10 observations  
or results on  
animals



10 measurements  
related to the housing  
conditions



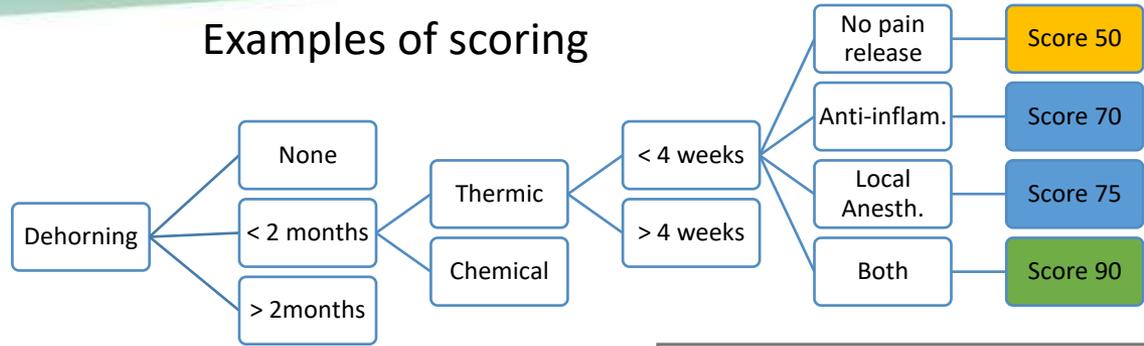
12 questions on farmer practices





# SCORING TO MOTIVATE FOR IMPROVEMENT

## Examples of scoring



% of lame cows	Score
0%	100
10%	47
20%	31
40%	14
70%	3
100%	0

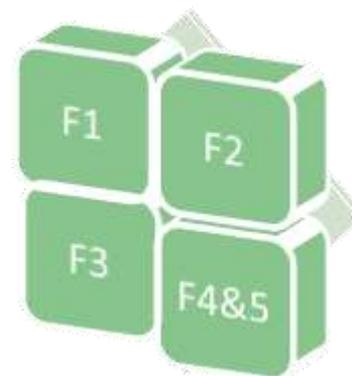
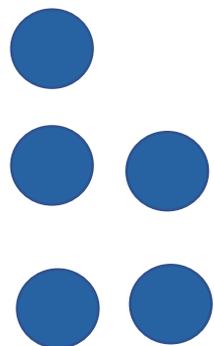


17 Indicators

- Scoring according to WQ methods with adjustments
- Decisions rules adapted to the objectives: to motivate any farmer in any farming system to improve



# AGGREGATION BASED ON WELFARE QUALITY WITH ADJUSTEMENTS



17 Indicators

Scores by  
Criteria

Score by  
Freedom

Welfare  
Score  
of the farm

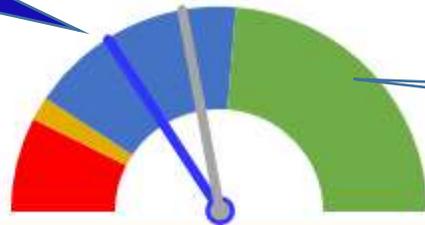
- Aggregation of scores based on multicriteria Choquet models or weighing
- Combination of scores to avoid compensation between criteria



# IDENTIFYING AND ENCOURAGING IMPROVEMENT



The farm score



The mean score of  $\approx 1000$  other dairy farmers

The distribution of scores of  $\approx 1000$  other dairy farmers

FREEDOM 1	
Freedom from Hunger and Thirst	
Supérieur	
Feeding	Watering
Excellent	Supérieur



<p><b>Liberté 1</b> Ne pas souffrir de faim et soif Supérieur Alimentation: Excellent, Abreuvement: Supérieur</p>	<p><b>Liberté 2</b> Ne pas souffrir d'inconfort Supérieur Confort: Supérieur, Facilité d'élevage: Supérieur</p>	<p><b>Liberté 3</b> Ne pas souffrir de douleurs, blessures et maladies Excellent Santé: Excellent, Pratiques: Supérieur</p>	<p><b>Liberté 4 &amp; 5</b> Comportements appropriés Excellent Relation H-A: Excellent, Aire d'exercice: Excellent</p>
---	---	---	--

# ALL FRENCH DAIRY FARMS AUDITED BEFORE 2025



- Included to the national Charter for Good Agricultural Practices
- National Database: references for the French dairy production chain
- Part of the French CRS strategy of the dairy cattle chain





**Thank you for  
attention**

Photo credits: Idele, CNIEL, M. Delacroix.

[www.idele.fr](http://www.idele.fr)

