

Country report on animal welfare during long distance transport by land and sea

Situation regarding animal welfare during long duration transport by land and sea in FRANCE.

Multi-regional Whole Journey Scenario workshop on long-distance transport by land and sea between Europe, the Middle East, and North Africa

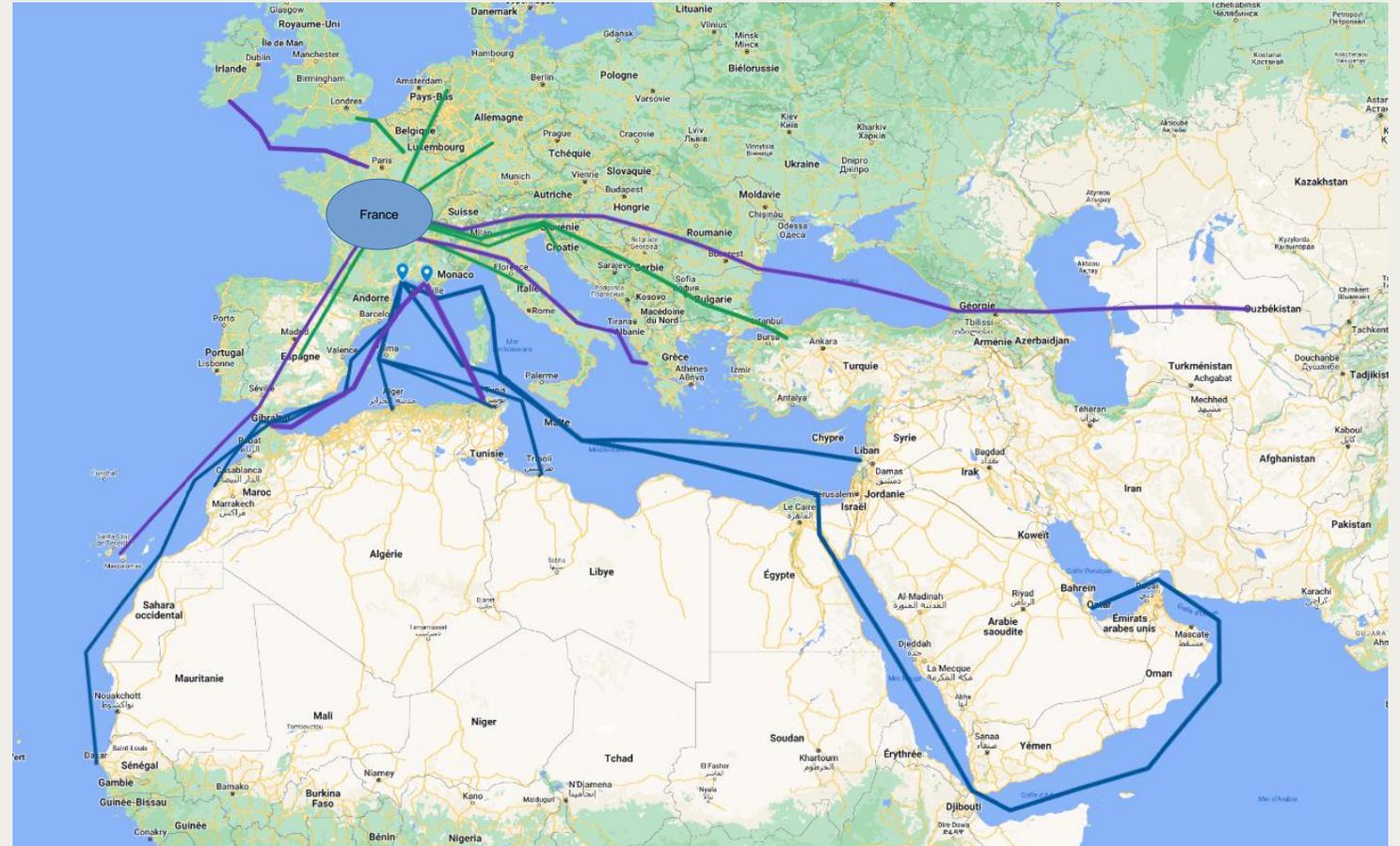
7 - 9 November 2023, Tunis, Tunisia



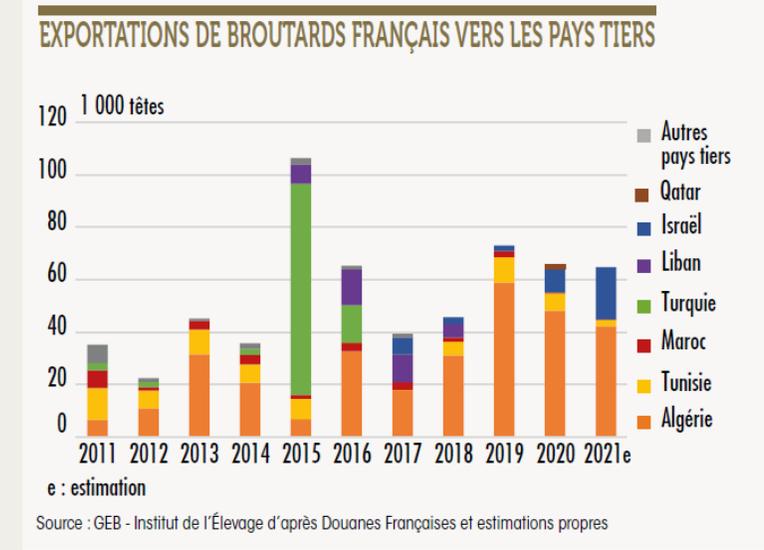
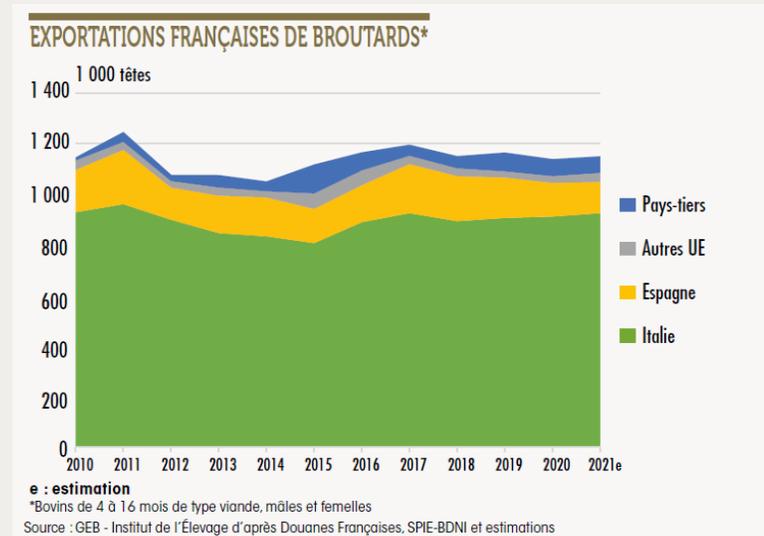
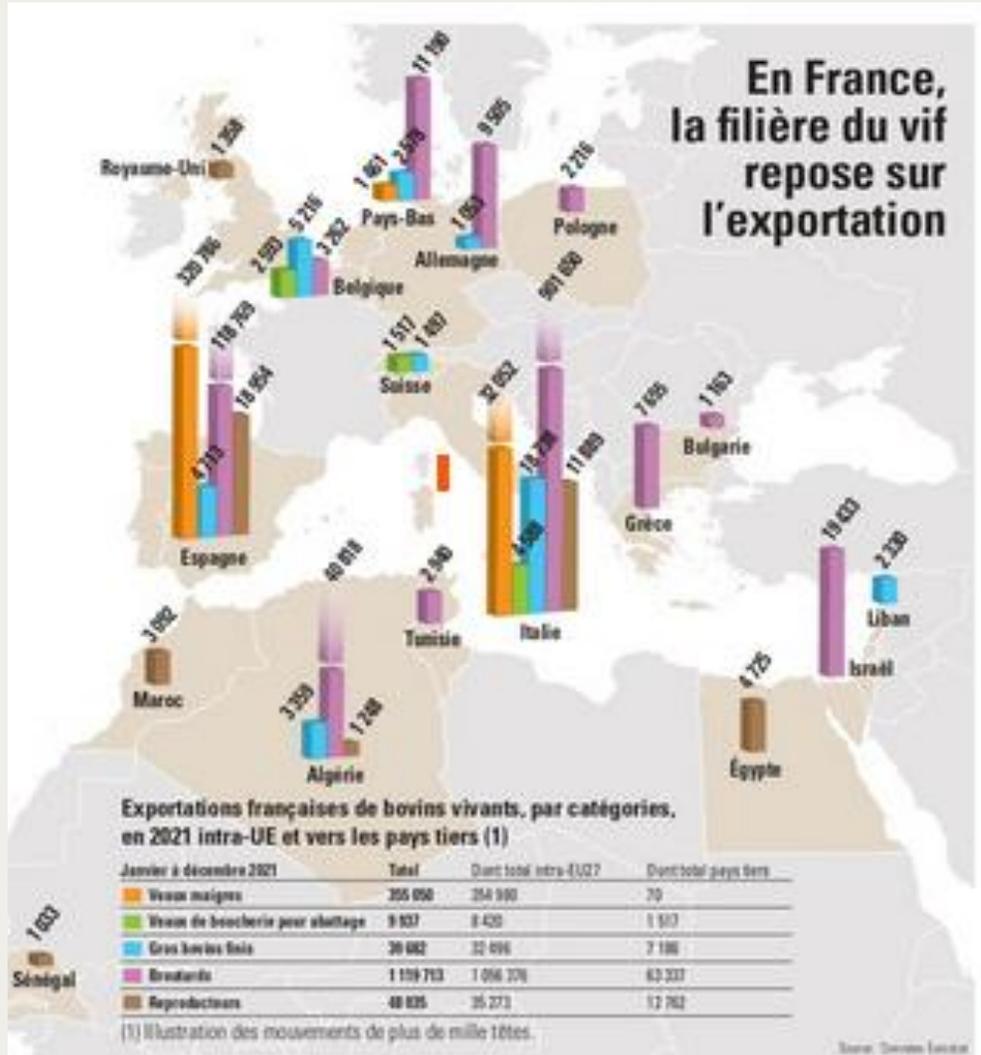
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Overview of country livestock transport and trade

- Different modes of transport can be used from France (by road, air, sea, but also road/air, road/sea/road, etc)
- A large part of the French exports of live animals carried out by road pass through exit points in other Member States.
- France has two exits points from the European Union: SETE (for Livestockvessel) and MARSEILLE (for Roll on / Roll off vessels)



Representation of exports/exchanges of CATTLE



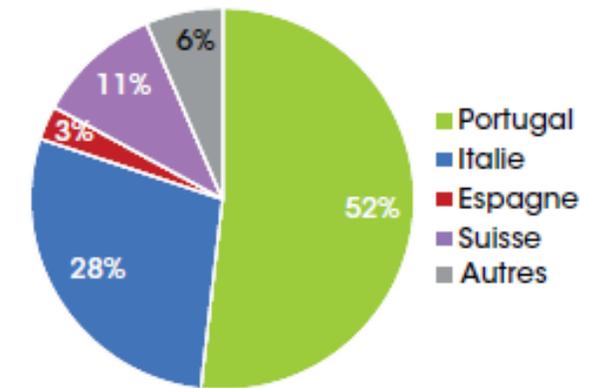
Representation of exports/exchanges of SHEEP

EXPORTATIONS FRANÇAISES D'OVINS VIVANTS

Source : Douanes françaises

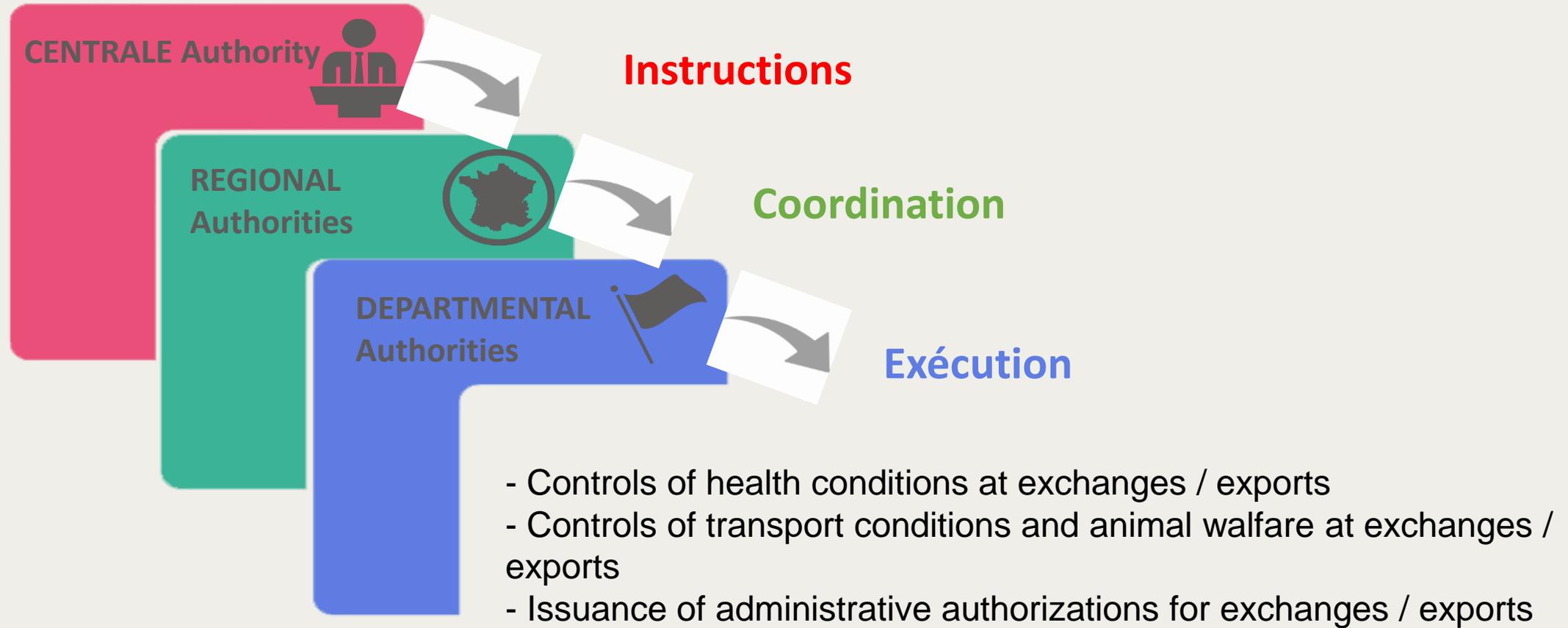
Destination	Agneaux (1 000 têtes)		Ovins de réforme (1 000 têtes)	
	2021	2022	2021	2022
Espagne	302	320	14	16
Italie	73	73	32	28
Israël	0	15	0	0
Grèce	8	11	0	3
Pologne	2	0	4	0
Allemagne	0	7	1	0
Pays-Bas	0	4	9	0
Liban	1	3	2	1
Autres	1	4	5	2
TOTAL	387	437	67	50

Destination des exportations françaises de viande caprine en 2022



Exportations totale : 2 027 téc

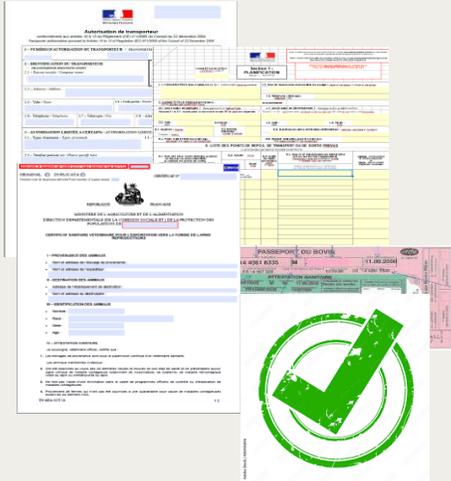
Competent Authority(ies)



National animal welfare standards

For all the animal long journey the minimum animal welfare standards on animal transport established in France include the compliance with the expectations of Europeans Regulations(No. (EC) 1/2005 and (EU) 2017/625 ...):

1) Systematic documentary checks before departures by the departmental authorities



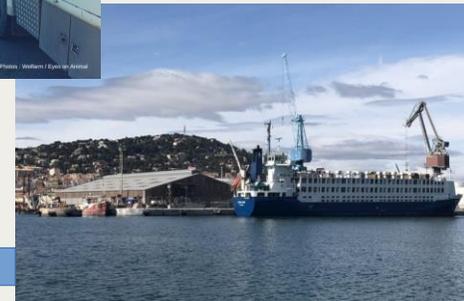
2) Physical checks of means of transport and animals welfare



At place of departure



During transport



At the exit point

3) Once the journey **is** completed, a check of the recorded data is realized (geolocation, temperature, etc.)

Focus on livestock vessels transport - Implementation of the standards

The only two **French** exit points from the European Union being maritime exit points (livestockvessel and RoRo) particular attention is given to the organization of these long journeys.

Indeed, when boarding from French exit points it is possible to find animals of different origins, and therefore have animals that have already traveled several hours



Cross-border transport of animals

In order to better organize the arrival of animals for loading on the livestock vessel, the operator must provide the local competent authority with all information relating to maritime transport 5 days before loading

Notification de chargement d'un navire bétailier au départ du port de Sète (34200)

PREFET DE L'HERAULT

I - Organisateur au port / Transitaire: DELOM PORTUAIRE

II - NOM/Numéro IMO de la Compagnie ISM: KALIFEH LIVESTOCK TRADING N° Type 2: _____

III - NOM / IMO du navire: KARIM ALLAH / 5519144 N° Agrément: FR34059NB
Date de validité: 10/06/2023 Surface agréée (m²): 2392,98

IV - DESTINATION - Pays tiers: ALGERIE Port: ORAN

V - CHARGEMENT

► Co-chargeur: OUI NON

► Date pour le début du chargement du fourrage: 27/04/2023 14H00

► Quantité (en tonnes) de: Foin 23,6 Aliment concentré _____ Paille 17 Granule de paille _____

► Date / heure de DEBUT du chargement des animaux: 28/04/2023 08H00

► Date / heure de FIN du chargement des animaux: 28/04/2023 12H00

► Planification du chargement:

Client-chargeur-Expéditeur	PLANTIER	FEMMA	NECID	CHEVALUX	LA RICHAR				
Plage horaire prévue pour le chargement des lots à bord du navire	10h 12h	09h 10h	08h 09h	09h 10h	08h 09h				
Espace et catégorie	GENISSES	GENISSES	GENISSES	GENISSES	GENISSES				
NOMBRE	395	230	80	71	77				
Poids moyen par animal (kg)	590	590	590	590	590				
Origine	FR	FR	FR	FR	FR				
Nombre de bœufières attendues	11	5	2	2	2				
Reservation au porc	NON	NON	NON	NON	NON				
Densité par catégorie d'animaux (n°)	2	2	2	2	2				
Surface utilisée à bord du navire (m²)	790	460	180	140	154				

► Calcul de l'espace libre restant à bord du navire: 2028,61 - 1706 = 322,61 m²

► En cas d'hébergement programmé au point de contrôle, l'organisateur sur le lieu de départ devra fournir à sa DD(ETS)JP une confirmation de réservation validée par l'exploitant. Pour rappel, le chargement des animaux sur le navire doit avoir lieu dans les 4 heures suivant l'arrivée des animaux au port. Date d'envoi de la prénotification à la DDPPSA: 24/04/2023

Cadre réservé à l'autorité compétente du point de sortie:

Numéros de prénotification: 23-028m

Remarques: Chargement et départ autorisé le 28/04/2023 aux conditions et horaires prévus. Conditions météorologiques stables à ce jour, confirmer le départ avec le Capitaine.

Date de validation: 24/04/2023 Agent: G. HAMARD



- Vessel
- Destination
- Departure date, crossing duration
- Needs on board (Hay- Straw)
- Available surfaces area
- Load composition
- Exporters
- Number of animals, type
- Origin
- Accommodation at the control post
- Validation (or not) of the journey by the competent authority at the point of exit

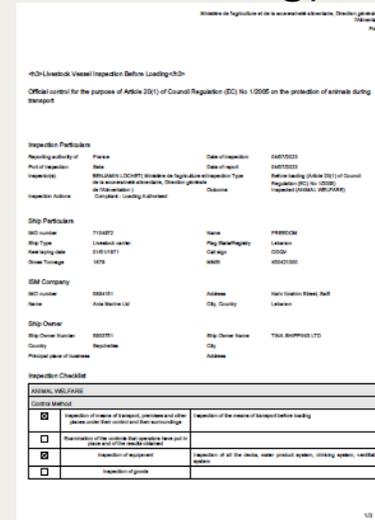


Monitoring and evaluation

1) In addition to official controls carried out by the local competent authority at the exit point (before loading, during loading and at the end of loading).



Document de travail



2) The operator of the Sète control post, in partnership with the National Research Institute for Agriculture, Food and the Environment (INRAE) has undertaken a private protocol of evaluation.

Objective: Study of the effect of travel duration and travel season + diagnosis of current practices.

Method of monitoring maritime crossings:



- 7 voyages at sea with varying voyage durations
- 6 different livestock vessel
- 3 different travel seasons.

- 219 pregnant dairy heifers of the Prim 'Holstein, Montbéliarde
- Fleckvieh breed whose age was between 28 and 44 months



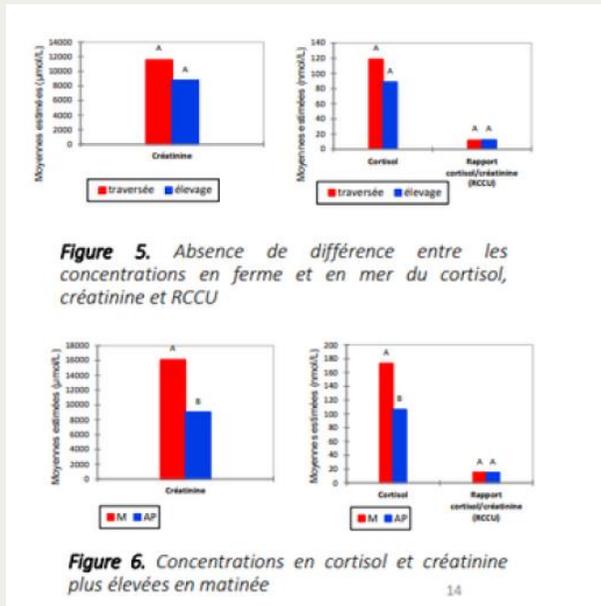
Behavioral observations (5 trips: single observer, 2 trips: connected collars)

Physiological measurements: cortisol, creatinine and urinary cortisol/creatinine ratio

Physical variables (temperatures, humidity, ammonia, air renewal rate)

Monitoring and evaluation

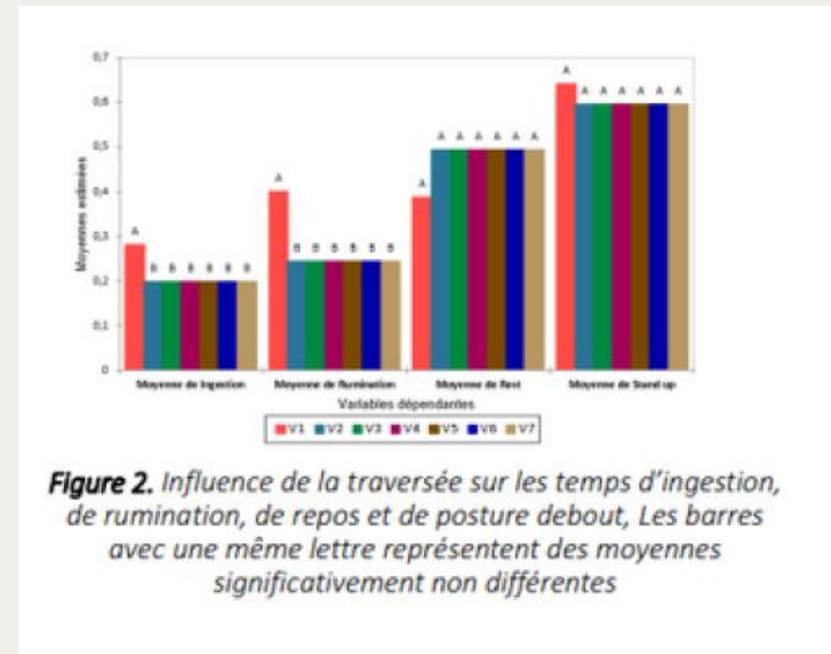
Analysis of stress markers :



No significant difference exists between the concentrations of cortisol ($p=0.25$), creatinine ($p=0.324$), and RCCU (cortisol/creatinine) ($p=0.88$) depending on the location of urine collection, whether on a farm or at sea (Figure 5)

Animal behavior on farms and at sea :

The average times of ingestion and rumination and standing posture, of the same group are not different between animals in confinement and at sea



Conclusions

From the first conclusions that can be drawn from the French study on the welfare conditions of animals during long-term maritime voyages, work is necessary on:

- Anticipating the needs of animals on board (fooder / type of straw ...)
- Accuracy of technical data relating to the means of transport
- Correct use of means of transport by the operator (ventilation ...)
- Training of personnel on board to livestock vessel
- Evolution of regulations regarding veterinary medicines on board ships
- A very closed partnership with the competent authorities at the ports of destination in third countries, to systematically inspect and give a feedback on the finding made upon arrival of the animals at the port of destination

Thank you

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