



STATUS QUO ANALYSIS: PROCESS OF FOAL REGISTRATION WITHIN THE MEMBER SOCIETIES OF WBFSH

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STRUCTURE

STATUS QUO ANALYSIS: PROCESS OF FOAL REGISTRATION WITHIN THE MEMBER SOCIETIES OF WBFSH



- **❖** INTRODUCTION
- ❖ MATERIAL AND METHODS
- **❖** RESULTS AND CLASSIFICATION
- SUMMARY
- OUTLOOK





INTRODUCTION



Research project as part of the Master studies, obligatory preliminary work for the master thesis



New challenges for breed societies through new reproduction techniques



Can traceability of the use of germinal products always be guaranteed? How is this situation handled by the WBFSH member societies?



Development of a **reliable database** on the status quo of the foal registration process within the member societies of the WBFSH



MATERIAL AND METHODS





online survey, divided into 3 steps: - structure of breeding societies

- registration process

- reproduction techniques



all member societies of the WBFSH



from March 26th till April 16th 2021



via Microsoft Excel®, focus on descriptive statistics



RESULTS AND CLASSIFICATION



Extensive and diverse database and therefore many results,

focus on the following results:

- I. response rate and participating members
- II. legal regulations
- III. use of reproduction techniques
- IV. process of foal registration
 - a. obligation of transponder and UELN
 - b. covering certificate
 - c. parentage control
- V. requirements through new reproduction techniques





I. RESPONSE RATE AND PARTICIPATING MEMBERS



- 41 member societies have participated
 - → response rate of 51,25 %

Table 1: Frequency distribution of the characteristic "number of registered foals" in the WBFSH member societies (own illustration)

Number of registered foals	Absolute frequency (n)	Relative frequency (%)
Less than 100	8	19,5
100 to 499	12	29,3
500 to 999	7	17,1
1000 to 2999	8	19,5
3000 to 5000	4	9,8
More than 5000	2	4,9
In total	41	100

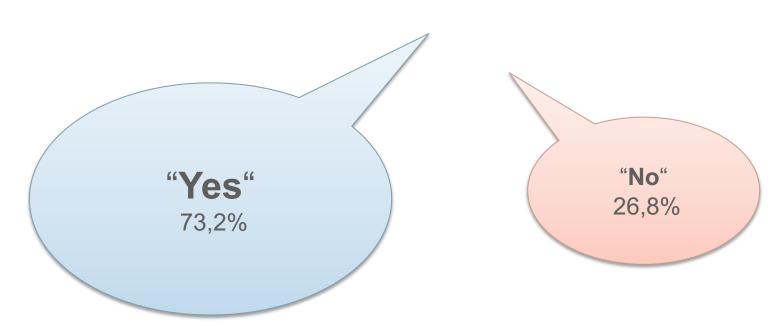
- every characteristic group is represented
 - → wide range of different member societies has participated!



II. LEGAL REGULATIONS §



"Is your breed society subject to any (national) zootechnical legislation?"



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Table 2: Zootechnical regulations of the WBFSH member societies (own illustration)

Precise title of the law	Associated link	Associated Country/ confederation	Absolute frequency
Verordnung (EU) 2016/1012	http://data.europa.eu/eli/reg/2016/1012/oj	European Union	5
Tierzuchtgesetz 2019 (TierZG)	https://www.gesetze-im-internet.de/tierzg 2019/TierZG.pdf	Germany	5
Real Decreto 45/2019	https://www.mapa.gob.es/es/ganaderia/temas/zootecnia/rd 45 2019 tcm30-503530.pdf	Spain	2
Reglement du Studbook Anglo-Arabe	http://www.anaa.fr/fr/stud-book-programme-elevage/stud- book/	France	1
Livestock Farming Act	http://www.pisrs.si/Pis.web/pregledPredpisa?id=ZAKO1548	Slovenia	1
Eastbulgarian Horse Association (EBHA)		Bulgaria	1
k. A.	https://www.mzh.government.bg/media/filer_public/2019/0 3/11/zakon_za_jivotnovydstvoto.pdf	Bulgaria	1
Importing semen and embryos (germplasm) Strict biosecurity measures, testing procedures, and requirements are in place (germplasm)	https://www.mpi.govt.nz/import/importing-live- animals/semen-embryos-germplasm/	New Zealand	1
Farm animal breeding act	k. A.	not specified	1
Decreto legislativo 52/2018	https://www.gazzettaufficiale.it/eli/id/2018/05/25/18G0007 6/sg	Italy	1
it is being taken care of by our national horseregistration centre	k. A.	not specified	1
goverment recognition of studbook is a must, reports from the studbook every year, production per state data is required, coggins for competitions is mandatory and vaccines	k. A.	not specified	1
Health and Identification Passport for Sport and Show Horses	https://www.gob.mx/agricultura%7Cqueretaro/articulos/pas aporte-sanitario-y-de-identificacion-para-caballos-de- deporte-y-espectaculo-155152	Mexico	1
Statens Jordbruksverks föreskrifter om avelsarbete and Statens jordbruksverks föreskrifter om hästdjur somanvänds till ave	https://djur.jordbruksverket.se/download/18.7c1e1fce169be e5214fb2484/1553856217751/2019-031.pdf https://jvdoc.sharepoint.com/sites/sjvfs/Shared%20Docume nts/2018 24/2018-024.pdf	Sweden	1
Forskrift om avl av storfe, svin, sau, geit og hest	https://lovdata.no/dokument/SF/forskrift/2018-01-31- 145?q=forskrift%20hest	Norway	1
Verordnung über die Tierzucht (Tierzuchtverordnung, TZV) 916.310	https://www.fedlex.admin.ch/eli/cc/2012/763/de#a10	Switzerland	1



III. USE OF REPRODUCTION TECHNIQUES



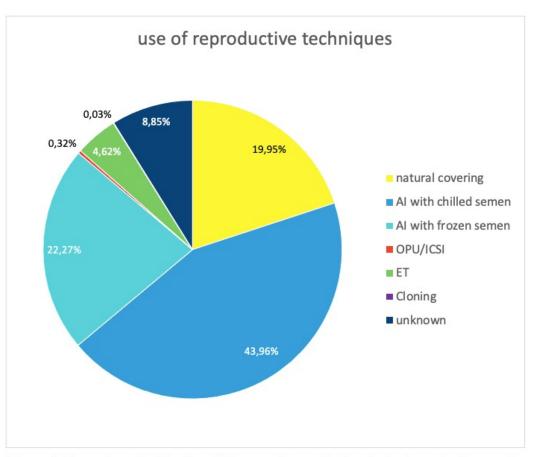


Figure 1: Percentage distribution of the use of reproduction techniques by the member societies of the WBFSH (own illustration)



III. USE OF REPRODUCTION TECHNIQUES



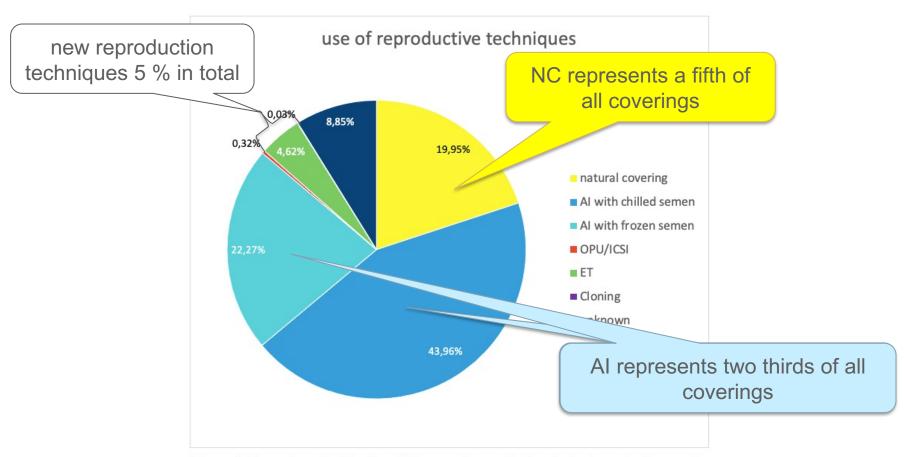


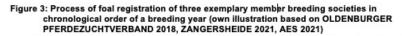
Figure 1: Percentage distribution of the use of reproduction techniques by the member societies of the WBFSH (own illustration)





STATUS QUO ANALYSIS: PROCESS OF FOAL REGISTRATION WITHIN THE MEMBER SOCIETIES OF WBFSH





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FOAL REGISTRATION COMPLETED		FOAL REGISTRATION COMPLETED	







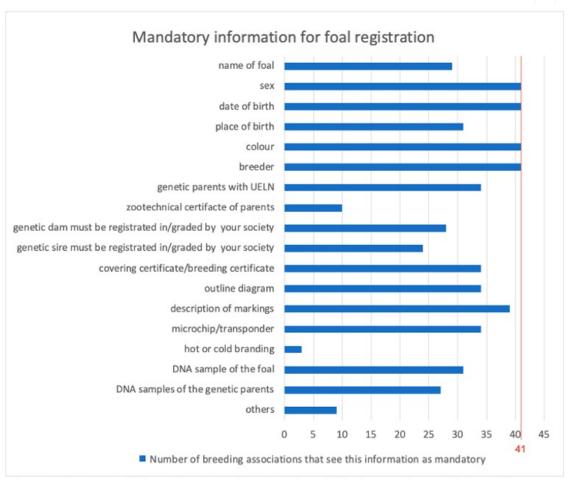


Figure 3: Mandatory information for foal registration within the member societies of the WBFSH (own illustration)





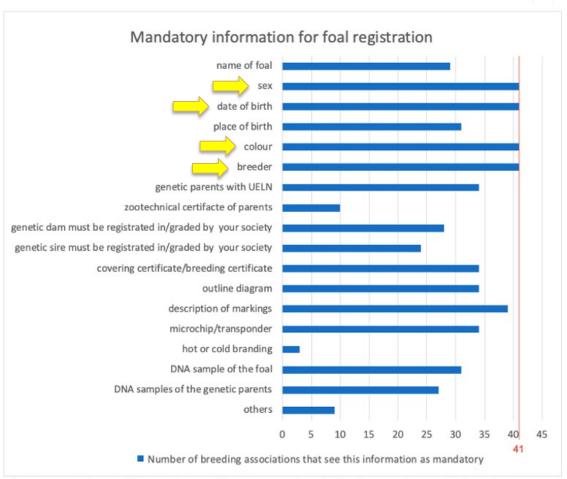


Figure 3: Mandatory information for foal registration within the member societies of the WBFSH (own illustration)





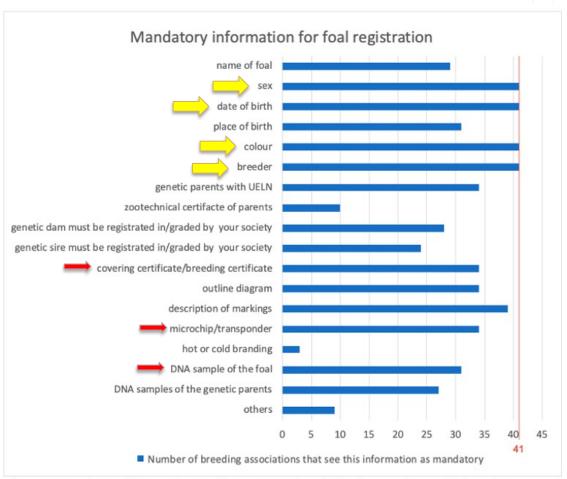


Figure 3: Mandatory information for foal registration within the member societies of the WBFSH (own illustration)



a. OBLIGATION OF UELN AND TRANSPONDER



UELN:

all participating member societies (100 %) stated that they assign a UELN as life number to the foals they register

Transponder:

- nearly 90 % of the participating member societies stated that an active identification takes place
- the microchip is used as instrument by 35 of 36 participants, others use (additionally) hot branding (6 participants) or cold branding (3 participants)



b. COVERING CERTIFICATE



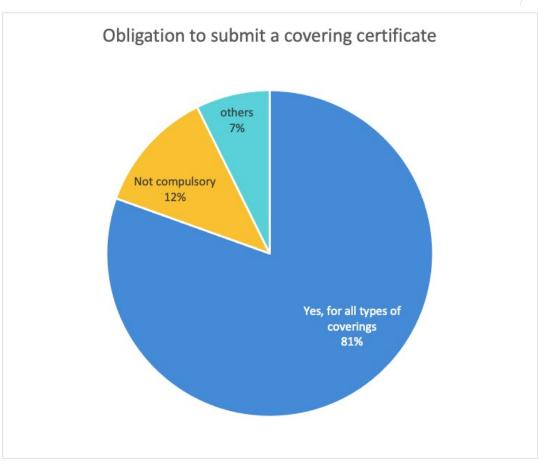


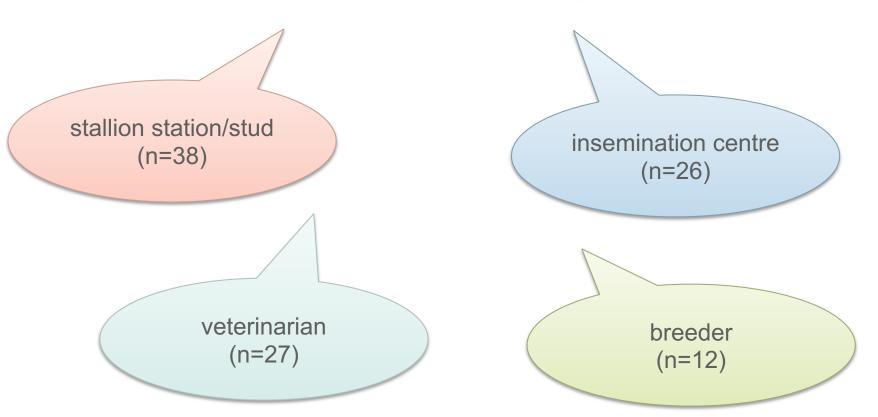
Figure 2: Obligation to submit a covering certificate within the member societies of the WBFSH (own illustration)



b. COVERING CERTIFICATE



"Who is allowed to fill in the covering certificate?"

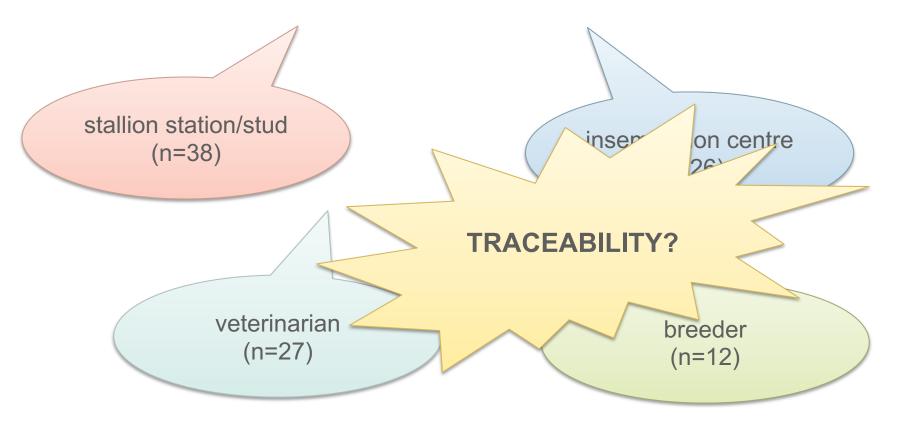




b. COVERING CERTIFICATE



"Who is allowed to fill in the covering certificate?"

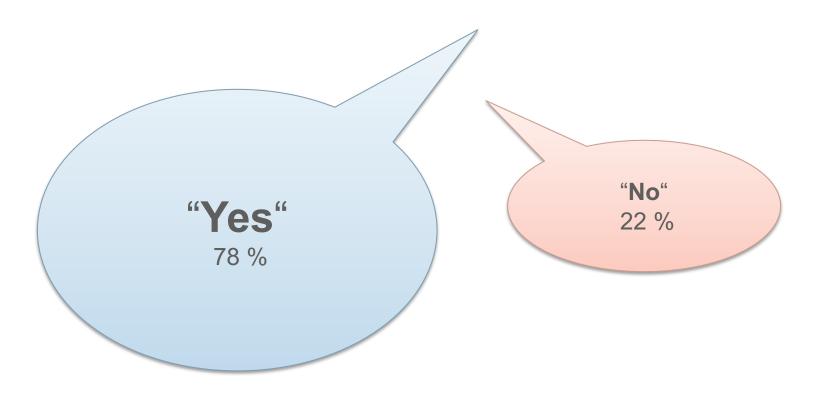




c. PARENTAGE CONTROL



"Are parentage controls carried out for every foal to be registered?"

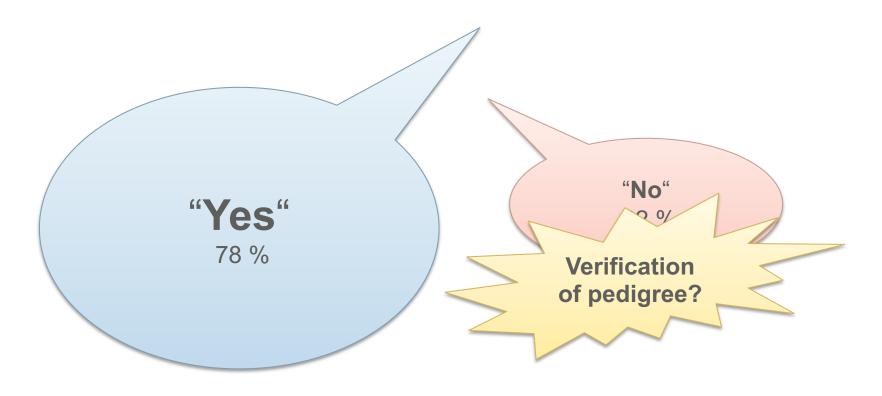




c. PARENTAGE CONTROL



"Are parentage controls carried out for every foal to be registered?"





HYPOTHETICAL PROCESS



covering certificate filled out by breeder



no obligatory parentage control



foal registered with pedigree that is not verified



HYPOTHETICAL PROCESS



covering certificate filled out by breeder



no obligatory parentage control

traceability for stallion station?

foal registered with pedigree that is not verified

prevention of fraud?



V. REQUIREMENTS FOR NEW REPRODUCTION TECHNIQUES



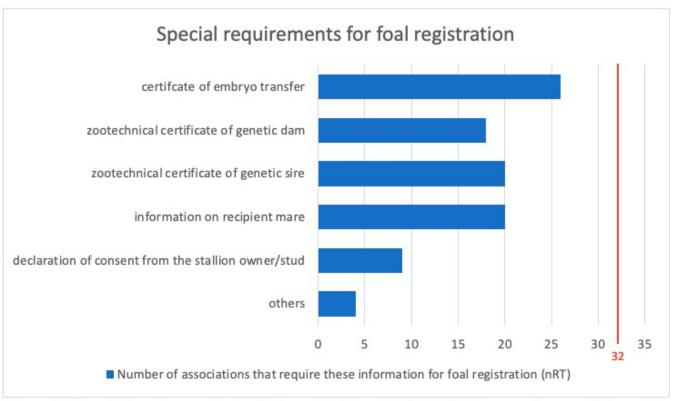


Figure 4: Special requirements for foal registration (nRT) within the member societies of the WBFSH (own illustration)



V. REQUIREMENTS FOR NEW REPRODUCTION TECHNIQUES



- the participating member societies differ greatly in their answers
- this applies to both the general use of the new techniques and the required legal information when registering foals
- → not all member societies are prepared for the challenges that come with the use of new reproduction techniques
- → this lack of knowledge can be exploited





SUMMARY

- the foal registration process within the WBFSH member societies is heterogeneous; it differs in terms of responsibility and legal framework as well as in practical implementation
- there are deficits in the monitoring of the use of germinal products; complete traceability cannot be guaranteed in all societies!
- there is a need for action in order to maintain control and prevent fraud internationally





OUTLOOK

- ➤ the flow of information between the various stakeholders (breeding societies, stallion stations, veterinarians, breeders) should be improved in order to obtain transparency of the use of germinal products
- the installation of an obligatory, international database system at the level of the WBFSH is conceivable as a possible tool
- the development of a "good practice-plan" could help the member societies to gain knowledge



further specific research is required!





STATUS QUO ANALYSIS:
PROCESS OF FOAL REGISTRATION WITHIN THE MEMBER SOCIETIES OF WBFSH

THANKS FOR YOUR ATTENTION!







OUTLOOK

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What do you think?

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member societies

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LITERATURE

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