# The animal welfare concept among students of animal-oriented studies in Flanders

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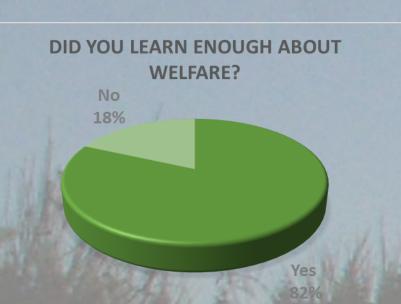
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**Research objective and methods:** Animal welfare embraces aspects of the **biological, affective and natural functioning** of the animals. Through an online questionnaire, we studied the interpretation of this three-fold concept among final-year Flemish students of mostly animal-oriented studies: veterinary medicine, biology and animal management studies (=agro-bio).

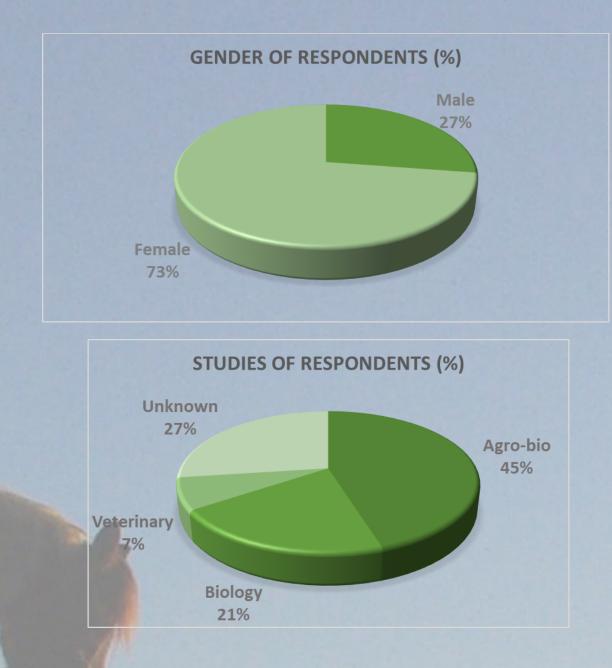
### Respondents: 291 persons

- ⇒ mostly females
- most respondents studied animal management (agro-bio), followed by biology and veterinary medicine
- ⇒ mostly young persons : 69% being between 20 and 25 years

### Results:



Most respondents - 82% - thought they had learned enough about animal welfare. 33% of the biology students thought the curriculum did not contain enough welfare content, compared to 14% agro-bio students and 11% veterinary medicine students



When asked which two concepts they spontaneously associated with "animal welfare", following word cloud popped up: health, care, love, happiness, respect, natural behaviour, food, stress, ethics, Ben Weyts (Flemish minister of animal welfare), GAIA (welfare group), rights, slaughter houses,...



Ethical view "all life is equally important"? This was scored significantly higher by agro-bio students than by veterinary students (KW-test: chi²=9.91, df= 3, p< 0.019; post-hoc: -50.79, p<0.036).

In general, the ethical viewpoint of the respondents was not strongly anthropocentric.

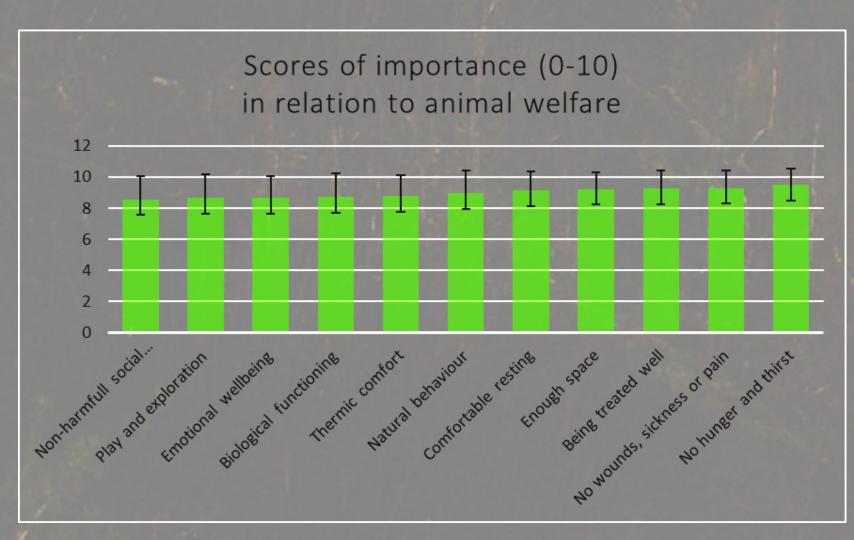
mean	SD	range	N
2,49	1,18	2 to 5	278
3,23	1,21	4 to 5	284
3,39	1,15	1 to 5	288
3,5	1,15	3 to 5	286
	2,49 3,23 3,39	2,49 1,18  3,23 1,21  3,39 1,15	2,49 1,18 2 to 5  3,23 1,21 4 to 5  3,39 1,15 1 to 5

## Scores of importance in relation to animal welfare:

We examined the relationship between the relative importance the students adhered to the different components of welfare, their ethical viewpoint and the type of animal-oriented study they had undertaken. Showing species-specific natural behaviour was scored to be significantly more important for welfare by agro-bio students compared to "other" respondents (i.e. not veterinary, not biology students) (KW-test, chi²= 7.902, df=3, p<0.04, Bonferroni corrected; post-hoc: 30.07, p<0.048). Over all questions, biological functioning was scored to be more important by biology students than by agro-bio students (KW-test, chi³=11.09, df= 3, p<0.011; post-hoc: 36.72, p<0.018).

# Scores of importance in relation to animal welfare:

In order of increasing importance, the respondents scored the basic needs highest such as no hunger and thirst, no pain, good treatment, space, resting comfort, natural behaviour, thermic comfort, biological functioning, emotional wellbeing, play and exploration, non-harmful social interactions.



The following scores on statements show that mere absence of a negative condition was perceived as insufficient welfare; emotional well-being was scored higher.









