

Challenge, choice, and control provide opportunities for animals to have a good life

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Key Points

- ➤ Animal welfare is an academic discipline AND property of sentient animals.
- The Five Domains Model gives us a structure to systematically **assess** animal welfare that aligns with this way of thinking.
- ➤ The Five Domains Model can also help us consider how best to care for animals in policy and practice.



What is animal welfare?

Animal Welfare

Science

Ethics

Policy & Law

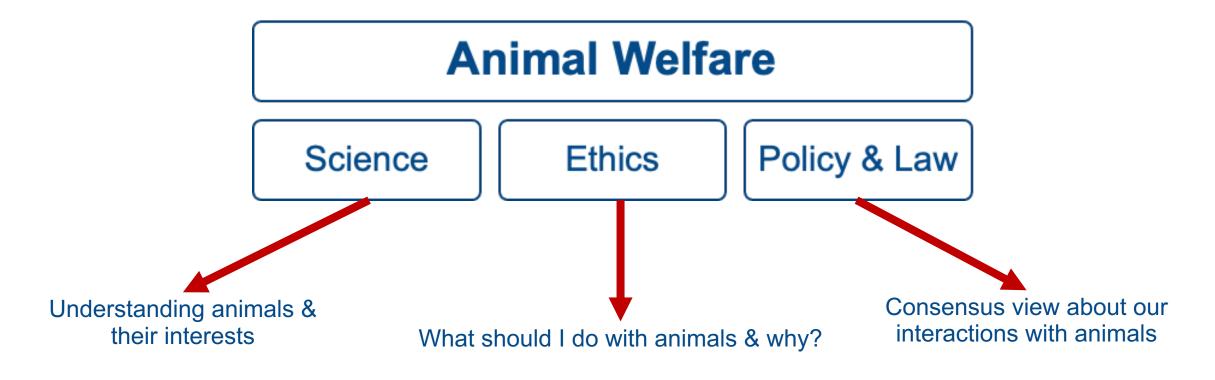
&

Animal Welfare





Animal welfare is an academic discipline





Animal welfare is a property of sentient animals

- Animal welfare <u>state</u> = overall mental (affective) experiences of animal
 - An animal has welfare that we can assess
- Not resources or management applied to animal
 Animal care
- ➤ What matters to animal = how they subjectively experience their situation

Synonyms
Wellbeing
Quality of life

Animal Welfare





Animal welfare & sentience are inextricably linked

Welfare consideration is given to sentient animals

Welfare requires capacity for sentience

Sentience is the capacity to have welfare

Sentient animals have welfare that matters to them



Animal welfare is a property of sentient animals

- Animal welfare <u>state</u> = overall mental (affective) experiences of animal

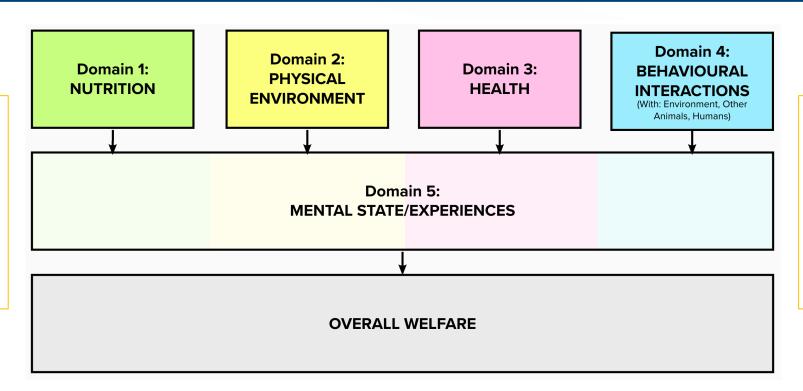
If animal welfare is a subjective concept, how do we evaluate it in animals?

 What matters to animal = how they subjectively experience their situation



Five Domains Model overview

Basis of welfare assessment for at least 56 NGOs, industry bodies, & companies worldwide



European
Parliament &
WOAH considering
transition to Five
Domains as
framework for AW
laws & codes

Mellor, D. J., Beausoleil, N. J., Littlewood, K. E., McLean, A. N., McGreevy, P. D., Jones, B., & Wilkins, C. (2020). The 2020 Five Domains Model: Including human–animal interactions in assessments of animal welfare. *Animals*, 10(10), 1–24. http://dx.doi.org/10.3390/ani10101870



Domains 1, 2, 3 – Nutrition, Physical Environment, & Health

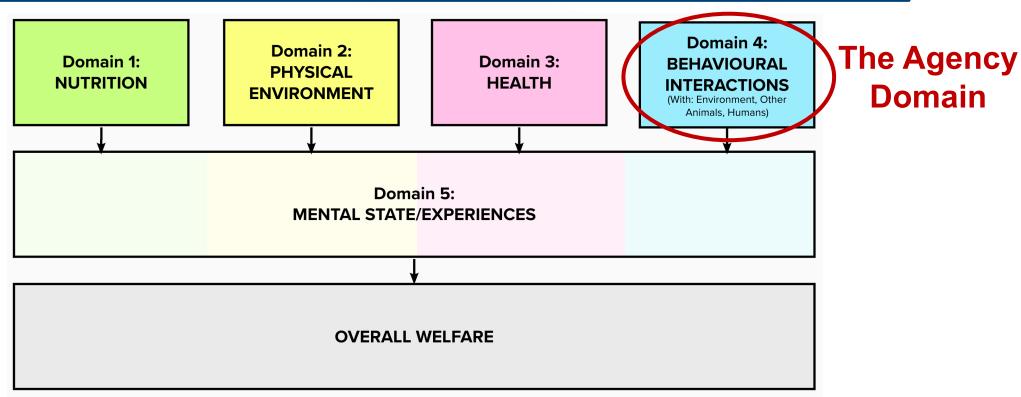
- Restrictions in these domains can lead to welfare compromise
- Provisions can achieve neutral overall welfare (at best)







Five Domains Model for welfare assessment



Mellor, D. J., Beausoleil, N. J., Littlewood, K. E., McLean, A. N., McGreevy, P. D., Jones, B., & Wilkins, C. (2020). The 2020 Five Domains Model: Including human–animal interactions in assessments of animal welfare. *Animals*, 10(10), 1–24. http://dx.doi.org/10.3390/ani10101870



Domain 4 – Behavioural Interactions ("The Agency Domain")

 An animal exercises 'agency' when they engage in voluntary, self-generated and goal-directed behaviours

Agentic qualities: Agency is enhanced when an animal...

- Can choose between two or more options (Choice)
- Can consistently and predictably make choices and obtain outcomes they are motivated to achieve (Control)
- Has complex interactions that encourage learning and/or physical fitness (Challenge)



Domain 4 – Behavioural Interactions ("The Agency Domain")

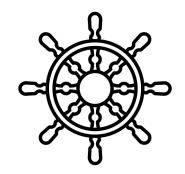


Frontiers Frontiers in Veterinary Science

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- Choices and sense of 'being in control'
- → Competent animal has tools and strategies to deal with novel and ongoing challenges
- During interactions with:
 - **Environment**
 - ➤ Other Animals







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The agency domain and behavioral interactions: assessing positive animal welfare using the **Five Domains Model**

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Animal welfare denotes how an animal experiences their life. It represents the overall mental experiences of an animal and is a subjective concept that cannot be directly measured. Instead, welfare indicators are used to cautiously infer mental experiences from resource provisions, management factors, and animalbased measures. The Five Domains Model is a holistic and structured framework for collating these indicators and assessing animal welfare. Contemporary approaches to animal welfare management consider how animals can be given



Agentic Interactions with Humans

Cooperative care protocols and animal consent, e.g., chin rest in dogs



https://karenpryoracademy.com/how-to-teach-a-chin-rest

- = training animals to make informed choices (i.e., consent) about their management
 - Allow animals to consent and withdraw their consent at any time
 - Informed choice involves some level of predictability (i.e., control)
 - An animal who can exert control may be more likely to engage in challenging interactions

Choice Control Challenge



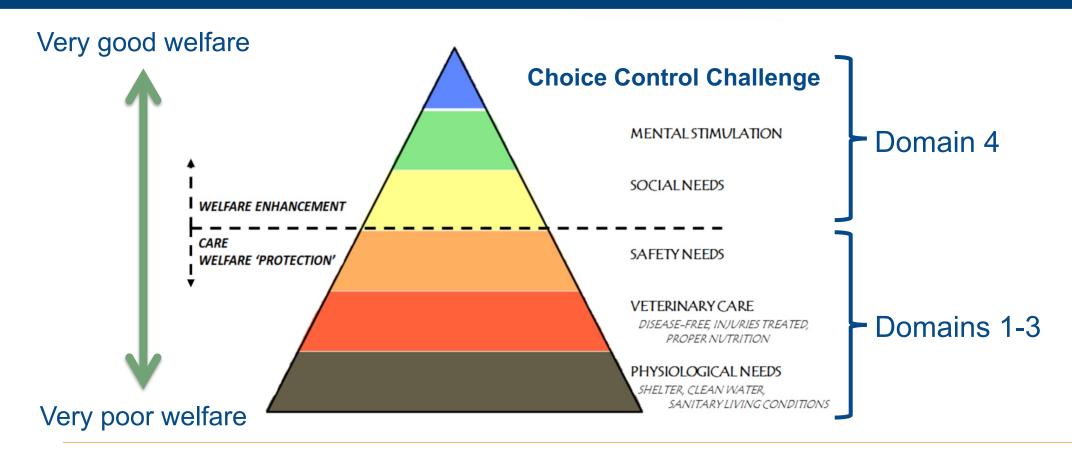
Domain 4 – Behavioural Interactions

- Negative experiences associated with D4 often require human intervention to correct
 - "Environmental enrichment"
- When interventions successful → **positive** affective experiences
 - This is how enrichments can promote positive welfare



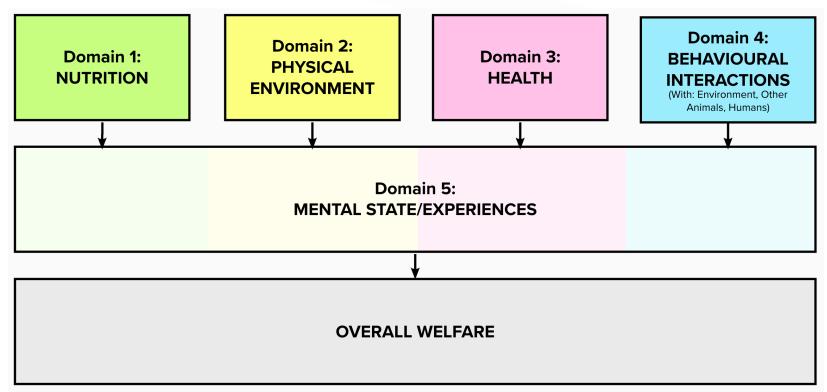


Not just avoiding compromise





Five Domains Model for welfare assessment (animal-centric)



Mellor, D. J., **Beausoleil, N. J., Littlewood, K. E.,** McLean, A. N., McGreevy, P. D., Jones, B., & Wilkins, C. (2020). The 2020 Five Domains Model: Including human–animal interactions in assessments of animal welfare. *Animals*, *10*(10), 1–24. http://dx.doi.org/10.3390/ani10101870



Integrating the Five Domains into animal care & policy

- Human-centric?
- Animal law defines human responsibilities to animals ('person in charge')



- Uses criteria for human responsibility
 - Characterises prevention of ill treatment unnecessary or unreasonable pain or distress
 - Characterises positive duty of care...



Positive duty of care

Obligations of owners and of persons in charge of animals

10 Obligation in relation to physical, health, and behavioural needs of animals



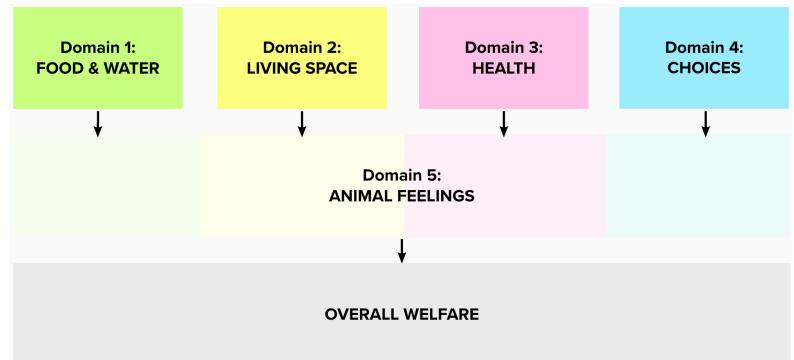
The owner of an animal, and every person in charge of an animal, must ensure that the physical, health, and behavioural needs of the animal are met in a manner that is in accordance with both—

- (a) good practice; and
- (b) scientific knowledge.
- Characterising AW 'needs' risks **reducing the responsibility** of the keeper/owner to solely neutralising negative experiences
 - Versus: promoting positive experiences that would enhance AW



Five Domains of **Animal Care** (human-centric)







"...promote the best interests of animals..."
(BVA AW Policy Position 2021)



The Human-Animal Bond

"The human-animal bond is a mutually beneficial and dynamic relationship between people and animals that is influenced by behaviors considered essential to the health and wellbeing of both." (AVMA)



https://www.npr.org/2016/04/30/476212898/lets-not-hugit-out-with-our-dogs

Potential Issues:

- Assumes close ('bonded') relationships with animals and excludes less bonded owners/guardians
- Assumes animals feel the same way about the interaction as bonded owners/guardians → animals treated inappropriately, e.g., kissing/cuddling

RISK: Human-animal bond is <u>not</u> animal-centric. It is (some) human-centric.



Summary of Key Points

- Animal welfare is an academic discipline AND property of sentient animals
 - Animal Welfare is transdisciplinary: Science, Ethics, Policy, & Law
 - Animals have welfare focus on mental experiences
- The Five Domains Model gives us a structure to systematically <u>assess</u> animal welfare in a way that aligns with this way of thinking.
- The Five Domains Model can also help us to consider how best to <u>care for</u> animals – in policy & practice.



Summary

Challenge, choice, and control provide opportunities for animals to have a good life

"There is an opportunity to move animal welfare legislation from the "Five Needs" to the "Five Domains" to better reflect our current understanding of animal welfare assessment and management."

(BVA Animal Welfare Policy Position 2021)



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