# Do cows (should) have horns?

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#### Do cows have horns?

Do cows (should) have horns?









#### Cows as horned animals

#### **Taxonomic Hierarchy**

Order Artiodactyla Owen, 1841 - artiodactyls, porco do mato, veado, cloven-hoofed ungulates, even-toed ungulates Family

Bovidae Gray, 1821 - antelopes, cattle, goats, sheep, bovids

Subfamily Bovinae Gray, 1821

Bos Linnaeus, 1758 - true cattle, oxen Genus

Species Bos taurus Linnaeus, 1758 - aurochs, domesticated cattle, domestic cattle (feral)

#### Bovinae













#### Cows as horned animals



















Angus Galloway Lincoln Reds

## The reasons why

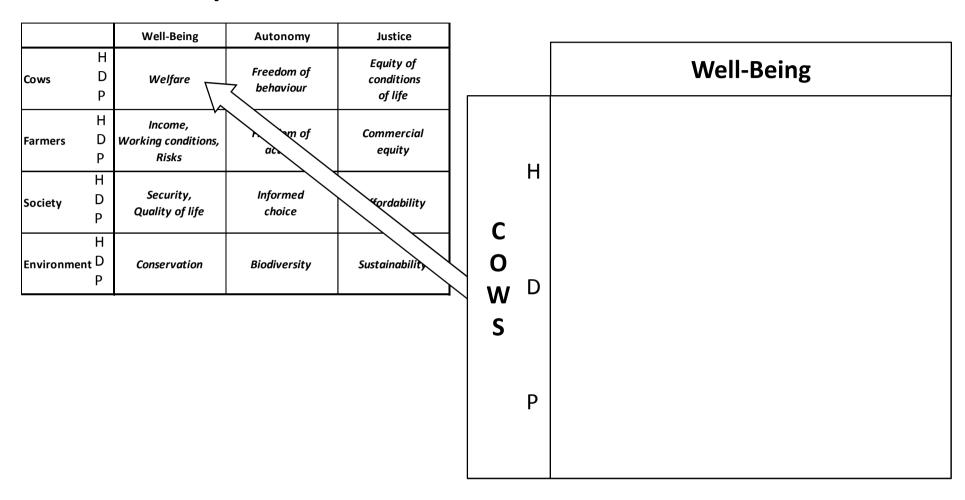


- The reasons for the actual situation cover
  - the diminution of risks,
  - the easiness of management, and
  - economic arguments relative to the cost of facilities or the marketing of animals,
- but, in the other way,
  - dehorning or disbudding is a source of pain for the animals,
  - and the use of genetically hornless cattle may be considered as non-natural.

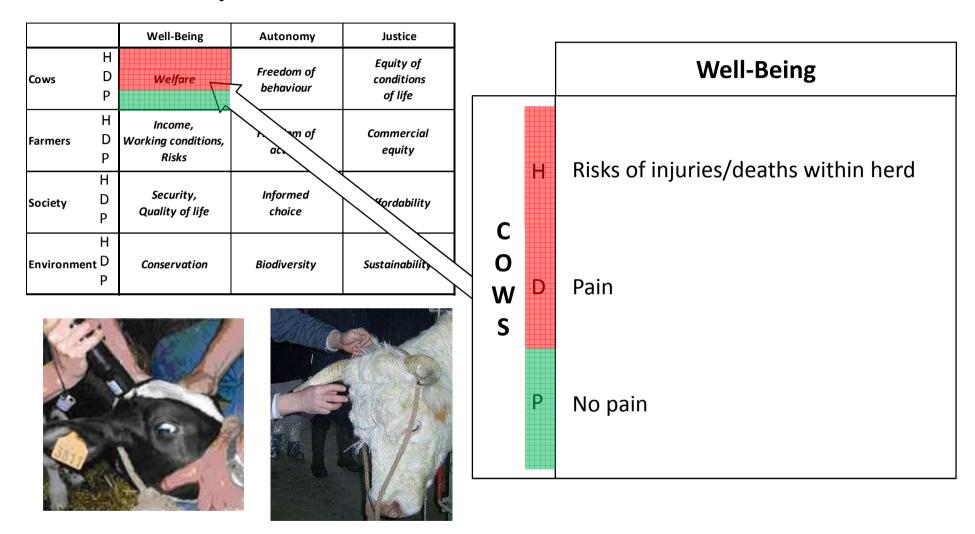


	Well-Being	Autonomy	Justice
Cows			
Farmers			
Society			
Environment			

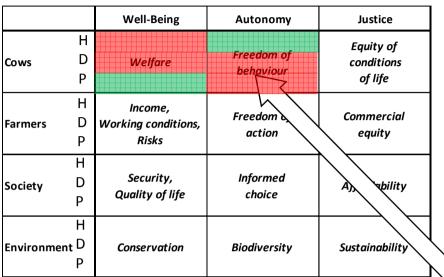




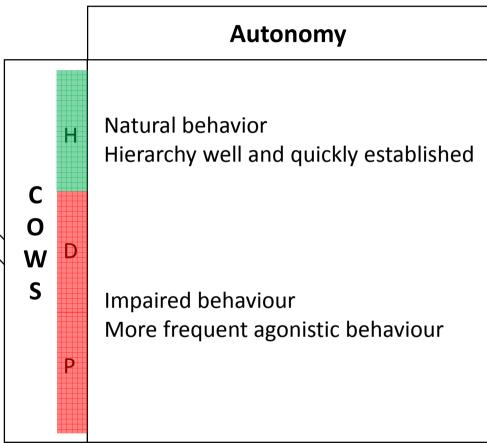






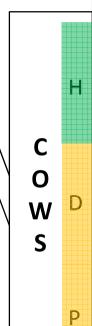


Martin Bienerth (cowherd, Switzerland): « Horned cows win their fights quicker and results last longer. Often they have no need to fight to impose precedence. »





		Well-Being	Autonomy	Justice
Cows	H D P	Welfare	Freedom of behaviour	Equity of conditions of life
Farmers	H D P	Income, Working conditions, Risks	Freedom of action	Comme equity
Society	H D P	Security, Quality of life	Informed choice	Affordability
Environme	H ent D P	Conservation	Biodiversity	Sustainability



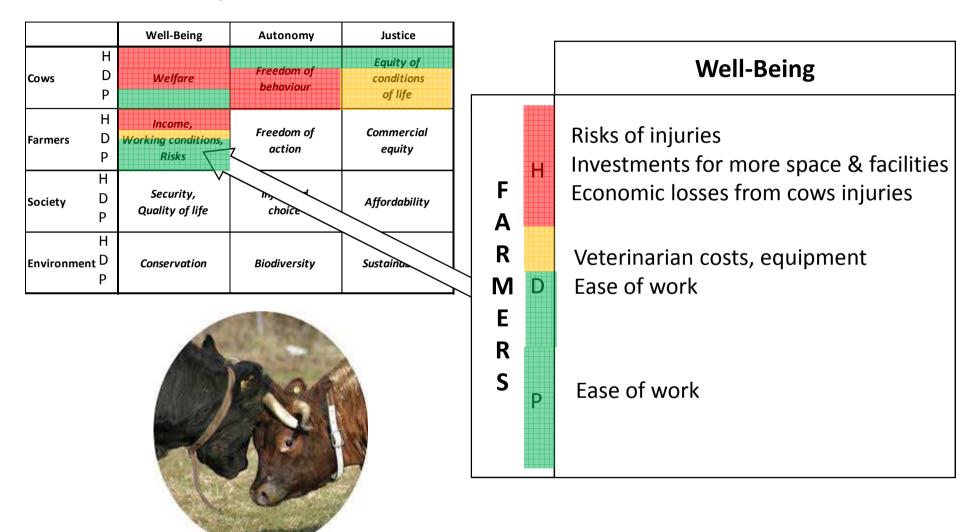
Equity of treatment of animals

**Justice** 

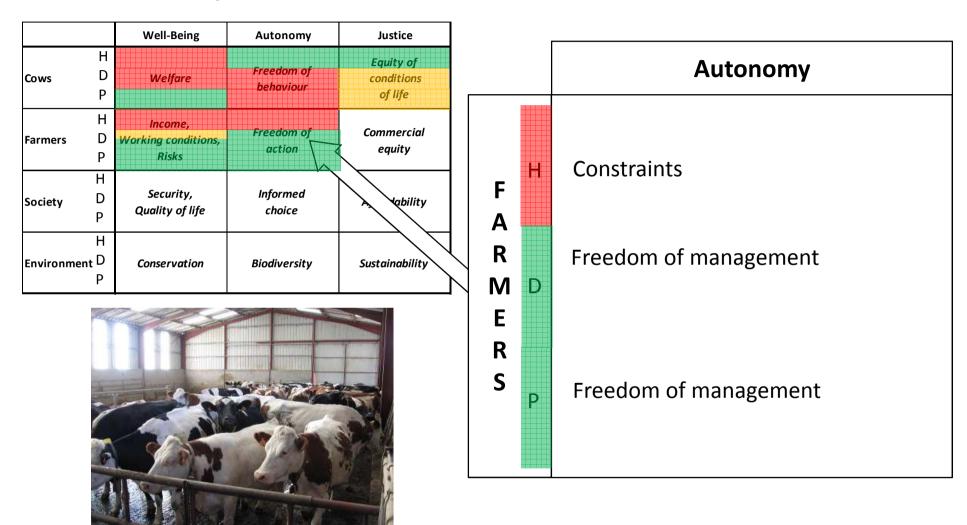
Differences of conditions between animals inside herds, between herds or between breeds







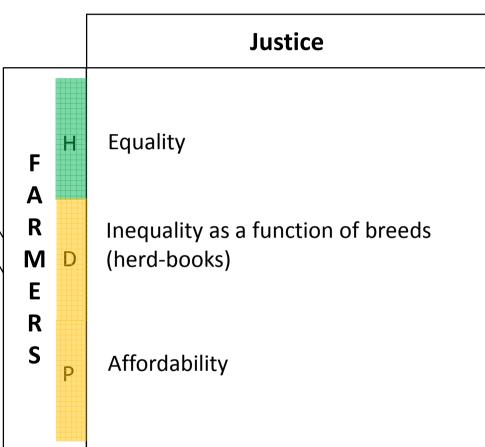




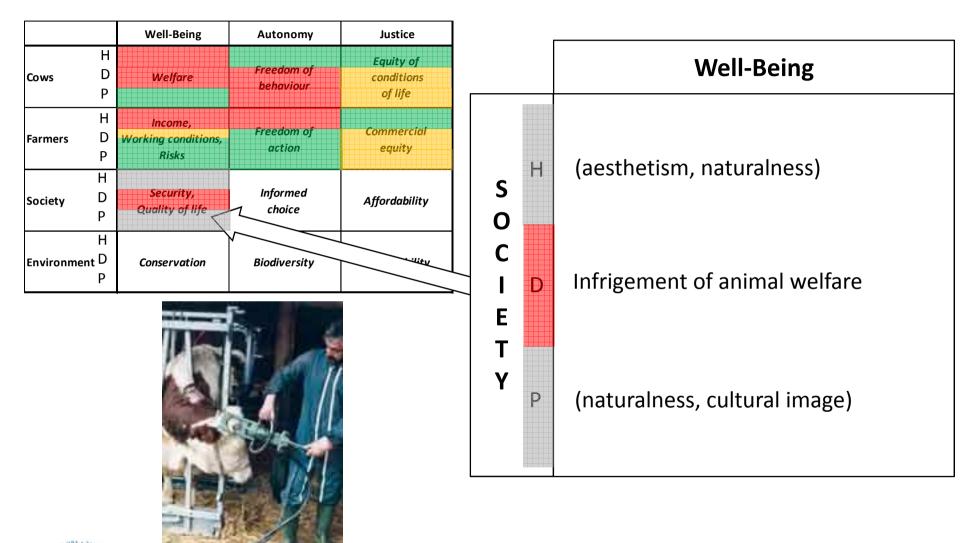


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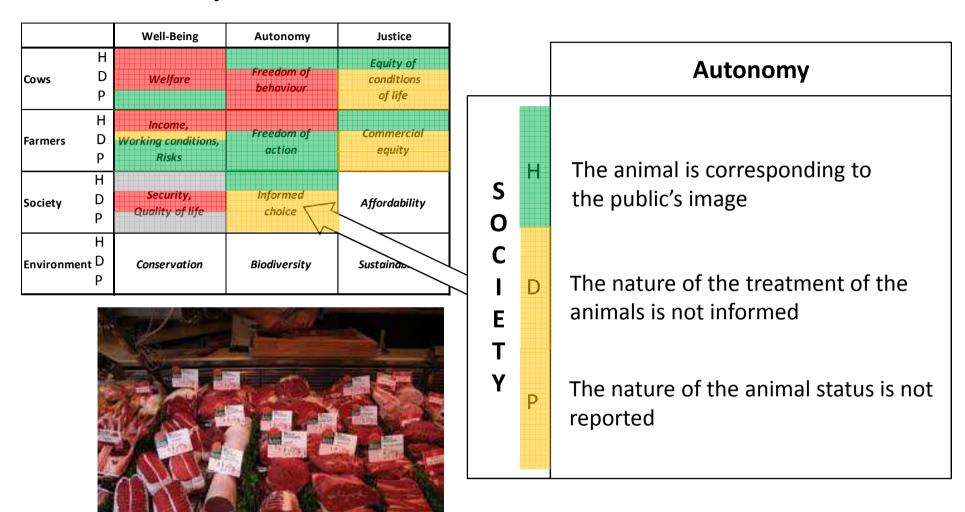




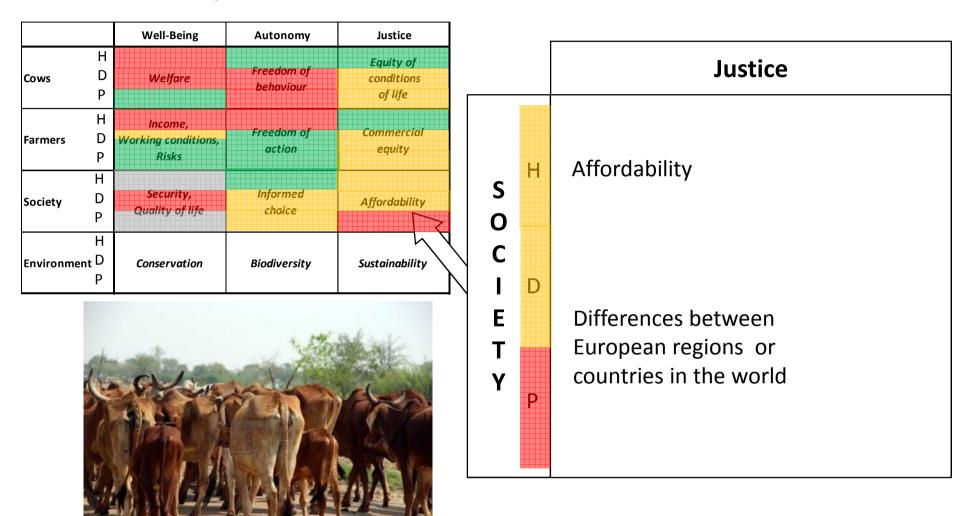




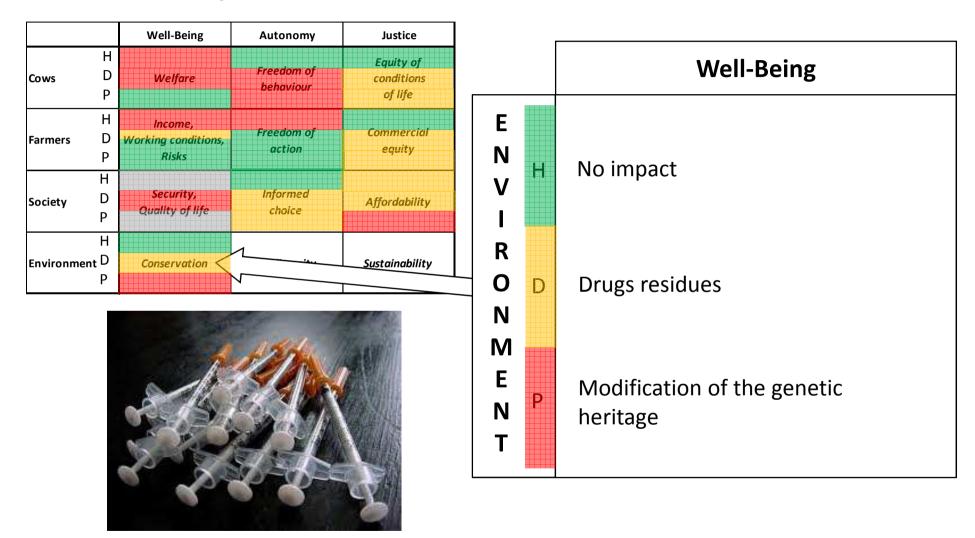




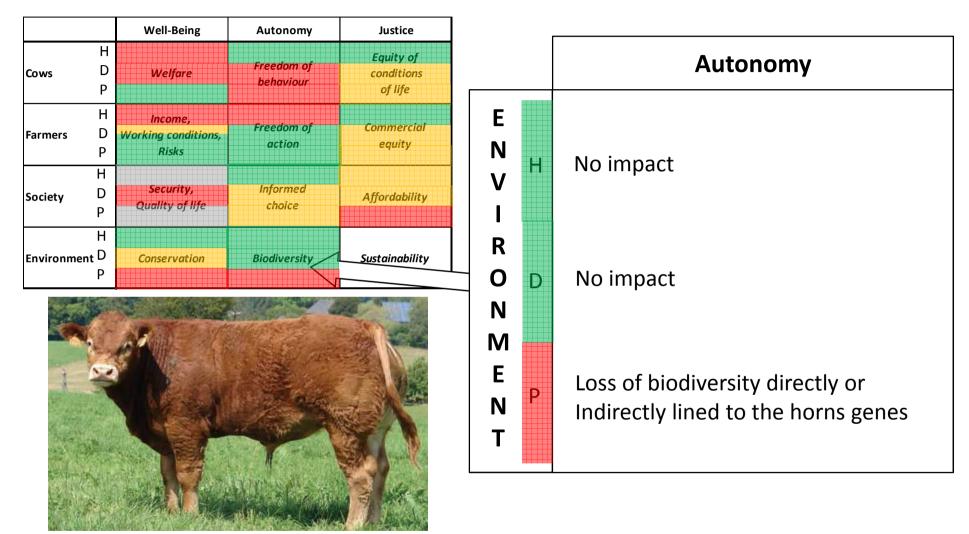




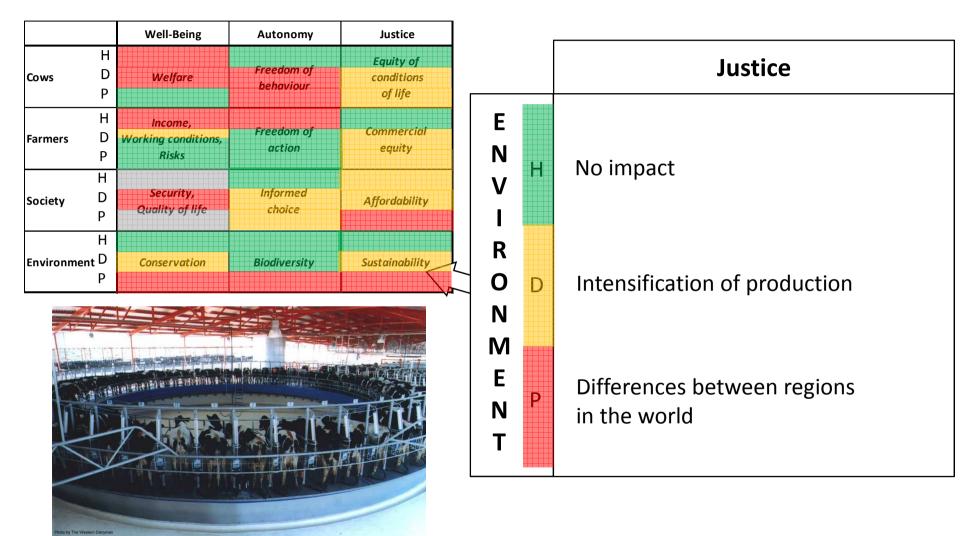














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Horned	Well-Being	Autonomy	Justice
Cow			
Farmer			
Society			
Environmt			
Deprived	Well-Being	Autonomy	Justice
Cow			
Farmer			
Society			
Environmt			
Polled	Well-Being	Autonomy	Justice
Cow			
Farmer			
Society			
Environmt			



#### Discrepancies

- Not only an opposition between farmers and the Society
- Inside farmers, different opinion arise
  - A.C. Dockès, F. Kling-Eveillard (2006), Liv.Sci. 103, 243-249.
  - Farmers:

for animal / with animal / in spite of animal / for technology affect communication instrumentalisation

highland / lowland organic / conventional



#### Introducing another approach

- The reflexive equilibrium method (after van Willingenburg and Heeger, 1989, van der Burg and van Willigenburg, 1998), enables to introduce other values such as aesthetics, naturalness, intrinsic value or integrity.
- The moral decision is obtained when there is accordance between an initial moral intuition and an opinion based on principles; new values are introduced and a new evaluation is performed until this equilibrium is reached.



#### Aesthetics as a value

 Aesthetics is relative to sensory or emotional values, relative to art, culture or nature.

"farmer: She was born like this, why I should suppress her horns? I feel her more aesthetic like this"





#### Naturalness as a value

The value of naturalness refers to a basic respect for the intrinsic value of nature, i.e., the value *nature* has, independent of the benefits it may have for humans.

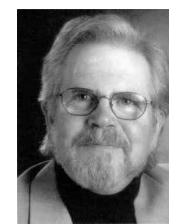
This manifests itself in three ways: (1) in the use of natural substances, (2) in respecting the self-regulation of living organisms and ecosystems, and (3) in respecting the characteristic (species-specific) nature of living organisms.

H. Verhoog, E.T. Lammerts Van Bueren, M. Matze and T. Baars (2007), NJAS wageningen journal of life sciences, <u>54</u>, 333-345.



#### Intrinsic value

- **T. Regan** (1983):
  - Animals have beliefs, desires, perceptions which make them ends-in-themselves.



- They have direct rights, and human have direct duties towards their well being
- **P. Taylor** (*Respect for nature,* 1986):
  - Animals and living beings have inherent worth (their life)
  - for this they matter morally
- Animal Health & Welfare Act (NL, 1992)

"Any right accorded by or pursuant to this Act shall be exercised in recognition of the *intrinsic value* of animal life"



#### Integrity as a value

 Animal integrity: « the wholeness of the animal and the species-specific balance of the creature, as well as the animal's capacity to maintain itself independently in an environment suitable to the species »

**B.** Rutgers



#### As a (provisional) conclusion:

- What is preferable?
- What is acceptable?
  - It seems that taking into account more values could allow reaching an equilibrium and a morally-based position on our problematic, but more probably at the level of a group of stakeholders, or even at the level of individuals.
  - A normative approach (either legal or regulatory)
    based on integrity would lead to a different position
    than that arising from the utilitarian-sensitient being approach.









# Thank You for your attention

		Well-Being	Autonomy	Justice
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Environment	о О, Н	Conservation	Biodiversity	Sustainability

**Aesthetics** 



Naturalness

Intrinsic value

Integrity

