

IMPROVING THE ANIMAL WELFARE OF THE LIVESTOCK FARM OF THE CAN COLL EDUCATIONAL EQUIPMENT

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1 INTRODUCTION

Can Coll CEA, which is regulated by the consortium of Serra de Collserola's natural park, is located in Cerdanyola del Valles's municipality. The mission of this final degree project is to fix its social need, which tends/drives to a welfare animal model that can accomplish/achieve the society's demands.

2 OBJECTIVES

- Define the animal welfare standards
- Evaluate/Assess the welfare of each species on the farm
- Suggest proposals to tackle the detected deficiencies

4 ANIMAL WELFARE ASSESSMENT PROTOCOL

WELFARE PRINCIPLES:

GOOD FEEDING

GOOD HOUSING

GOOD HEALTH

APPROPRIATE BEHAVIOUR

Figure 2: Welfare Quality's principles. Adapted from: Welfare Quality (2009a)

WELFARE CRITERIA AND MEASURES:

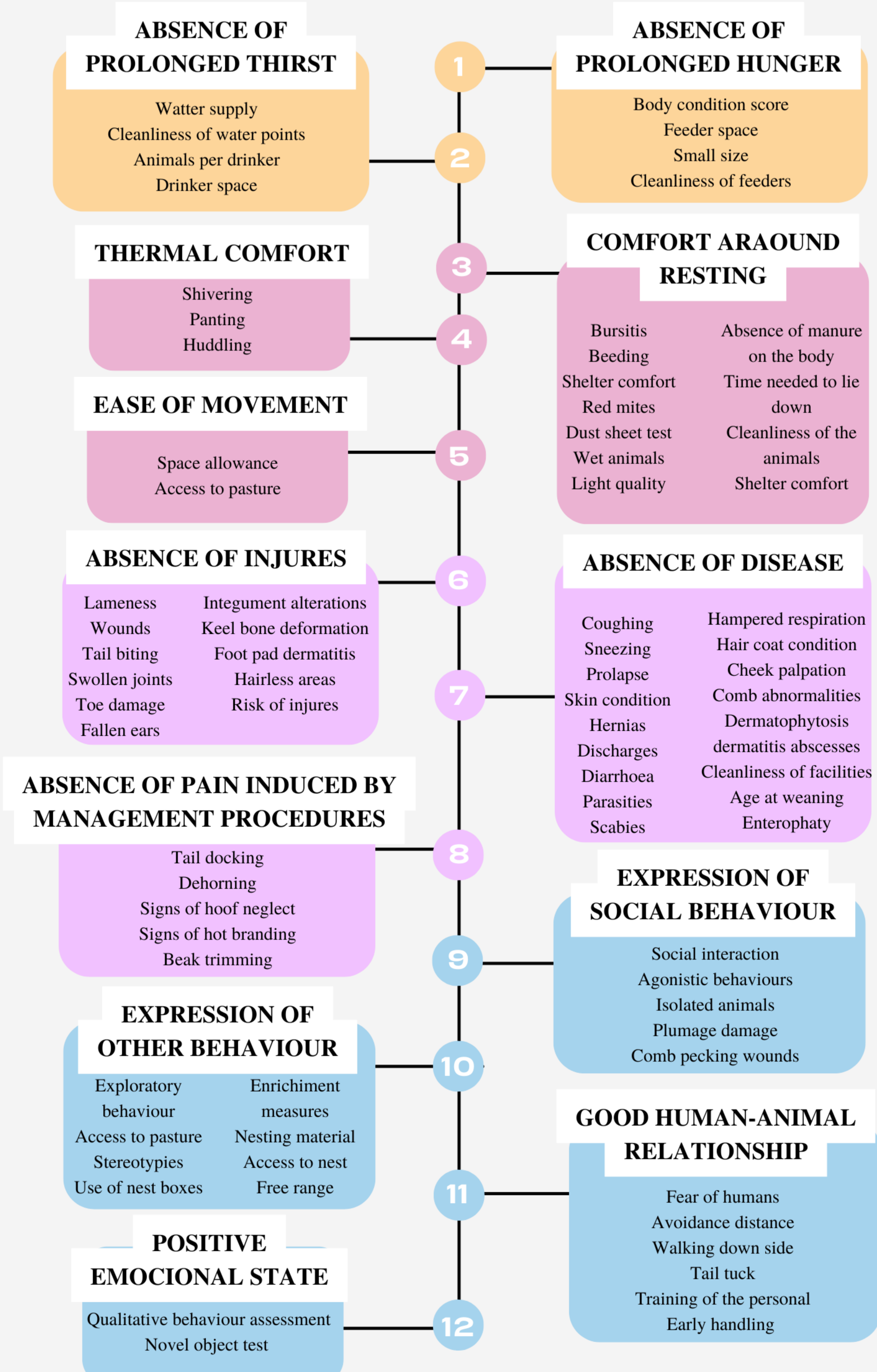


Figure 3: Welfare Quality's criteria and the indicators which were used in each protocol. Adapted from: Welfare Quality (2009a); Welfare Quality (2009b); Welfare Quality (2009c); AWIN (2015a); AWIN (2015b); AWIN (2019).

3

DEFINITION OF ANIMAL WELFARE

A definition is provided by the **Five Freedoms**:

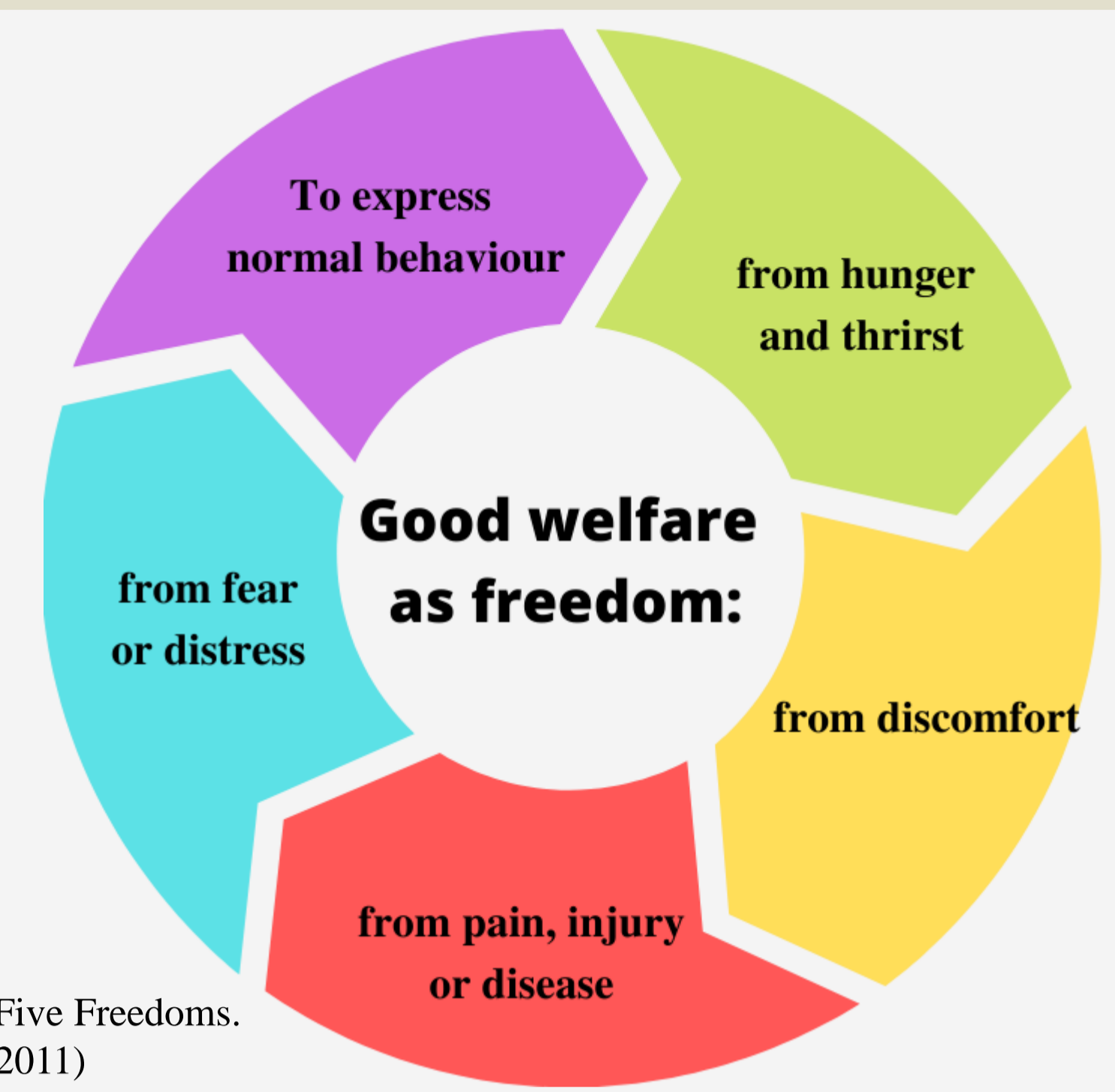


Figure 1: concept of the Five Freedoms. Adapted from: Keeling (2011)

5 CONCLUSIONS: STRATEGIES FOR IMPROVEMENT



Figure 4: sows



Figure 5: young chicks



Figure 6: muscovy duck

Tail docking:
unwound tail up

Feeder:
early nutrition

Biosecurity: introducing a net to prevent wildlife interaction
Diarrhoea: a daily visual examination



Figure 7: laying hen

Feeder space: control animal number per feeder
Toe damage: provide veterinary assistance
Expression negative behaviour: separate the target animals
Qualitative behaviour assessment perica hen: reappraise



Figure 8: rabbit

Animals per drinker: provide 2 drinking points per animal
Good housing male rabbit: provide bigger cage
Cleanliness of facilities: diary cleanliness
Enrichment measures: always supplying enrichment material
Nesting material: provide nesting material
Good human-animal relationship: provide animal welfare training + early handling
Tail overgrowth male rabbit: tail trimming



Figure 9: donkey

Water availability: cleaning the water supply points regularly
Bedding: provide sufficient bedding material
Social interaction: setting a closeness with the cow otherwise introducing new donkey
Good human-animal relationship: developing a greater tolerance towards human presence



Figure 10: cow

Water availability: cleaning the water supply points regularly
Lameness: monitoring the animal
Ocular discharge: provide veterinary assistance
Social interaction: setting a closeness with the donkey or introducing new animal

6 REFERENCES

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