



Low-input outdoor and organic poultry productions: how to improve animal welfare in these systems?

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Introduction: While organic and outdoor low input systems enable the expression of natural behaviour better than indoor systems, issues with the potential to improve animal welfare in these systems still exist. The issues are related especially to the outdoor area (predation, diseases, heterogenous range exploration...).

Method: Extraction and combination of **information** from different sources, including **experts and practitioners**

Standards, regulations and labelling schemes

Peer-reviewed articles, congress proceedings and research projects

Interviews with key-informants (UK, FR, IT, FI)

Results: Various barriers to welfare & levers for improvement

Close to 50 systems

Check innovative solutions

Stakeholders' perception on animal welfare

Variations of space allowance, genetic strains, beak trimming and free range access

Use of alternative genetic strains, phytobiotics and enrichment of the range

Respect of "the 5 freedoms" pointed out by all 4 countries and "Regulation" by Finland and Italy

Conclusion: The results provide a shortlist of practices that could be used to improve animal welfare while taking into account farmer wellbeing and sustainability and contributing to "One Welfare".

This shortlist is currently discussed before use by the practitioners in the PPILOW participatory approach.