

WG3 – Identifying Sources of KBD and Interventions

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Summary WG3

- Presentation Jens Peter Christensen, Denmark
 - Pathology of keel bone damage
 - Focus not only on high-energy collisions
 - Define different types of fractures, different causes
- Introduction round: contribution to WG3
 - 21 participants, ITC, industry, early stage researchers represented



Intervention strategies

1. Housing and management: quite specific interventions proposed (light, perches, platforms, bird management) – ideas for STSMs and collaborations
2. Genetics: Need for good phenotype / genomic selection – more knowledge needed on impact of KBD on bird
3. Nutrition: focus on early feeding, selenium, Omega-3/6, melatonin, link to bone and muscle physiology

Focus areas



1. Involvement of industry: leaflets for producers on bird management, transition from rear to lay, perch design
 - Palpation workshop relevant: distribute participation industry/ITC
2. ITC participation: in ITCs mainly birds in cages, no research KBD
 - Assess prevalence in various systems and present results to industry
 - Limited knowledge on KBD in cage systems (low impact damage)



Ideas for STSMs

- Rearing with and without perches (France), now in FC, trained assessor needed (before November 2017)
- Ramps and hybrids and how they effect KBD (previously submitted GP1) in Belgium
- Assessment fractures in quail (cages and aviaries) – collect bones from various species in Slovakia



Ideas for training school

- Training school on management and housing at Vencomatic?
Focus on housing and management innovations
 - Visit innovative systems (Antwerp/Eindhoven), experimental centre Geel, Hendrix Genetics Boxmeer
- Bone and muscle physiology workshop, link to nutrition and genetics (European Poultry Congress, Croatia, Dubrovnik, Sattellite, 17-21 September 2018)

Opportunity small group meeting

- [International Symposium on Animal Production](#)
- [Montenegro, Herceg Novi, 5-10 June 2017](#)

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