

0,5

0,0

10

Age, days

18.1 g

- - - obl N loss Sc2

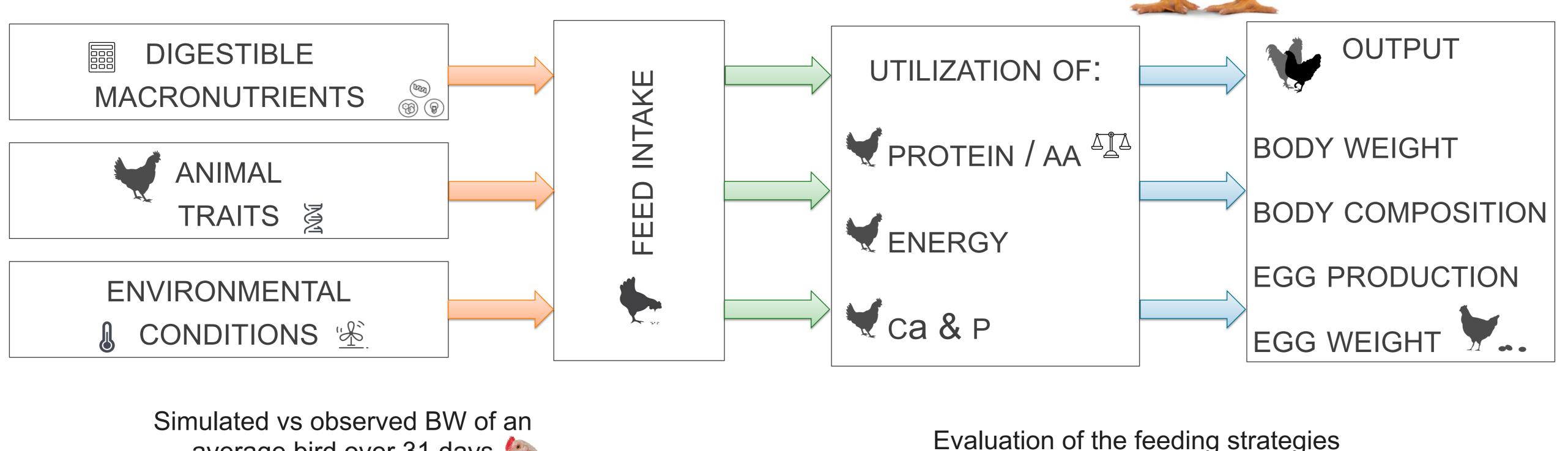
WP3: Modelling biological functions with emphasis on feed use mechanisms

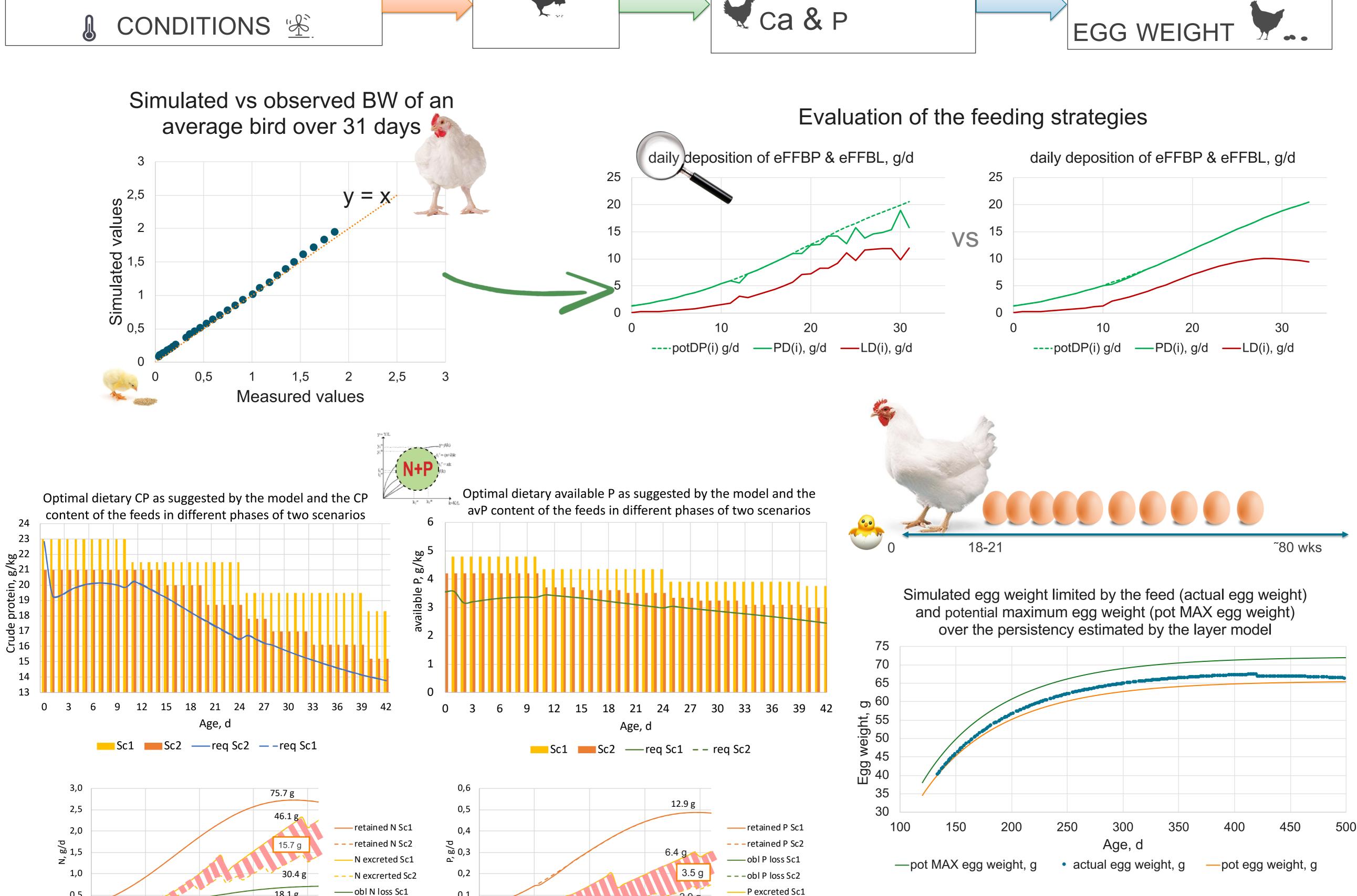
FeedUtiliGene: Poultry Model Feed-a-Gene Galyna Dukhta¹, Jaap van Milgen², György Kövér¹, Veronika Halas¹ **InraPorc** ¹Kaposvár University, Guba S. 40, 7400 Kaposvár, Hungary ²PEGASE, Agrocampus Ouest, INRA, 35590, Saint-Gilles, France

Modelling of digestible nutrient utilization is mainly based on concepts used in net energy and ideal protein systems

FI prediction as multiples of maintenance function based on BW can be used to estimate precisely the FI pattern of broilers during growth

The developed model works for broilers and it has an egg production module as well





2.9 q

Age, days

P excreted Sc2

To conclude: our model simulates the response of an average chick to a certain diet, and it estimates the nutrient requirement as well. The model core, feed use mechanism and nutrients partitioning pathways could be extended with new equations or modules, thus, additional approaches might be applied.

