

Brainstorm WG4: Creating a network of breeding objectives

The main objective of the workshop was to create a common network of breeding objectives (NEBO) based on the expertise of all participants. The resulting NEBO (see figure 1) improves our understanding of different traits highlighting that there are several key objectives that are interlinked with many other traits, in particular the development time, fecundity, density, size and FCR. This also indicates that even if one would only focus on a single breeding objective, one must be aware of the, potentially negative, impact on the other traits. Initially the goal was to include also whether or not there was a positive, negative or unknown correlation between the traits, yet due to the differences between life stages and species this was deemed impossible at the moment. Further work will be done to elaborate on the scheme and finetune for different species and life stages.

Another way of further assessing this network is to divide the traits into a selection from a industrial perspective and from a evolutionary perspective. The relative importance of certain traits and trade-offs will be very different depending on the perspective. This was deemed very interesting and worth further consideration and discussion within WG4. WG5 may use the NEBO to assess correlations between traits and therefore phenotypes.

NEBO

