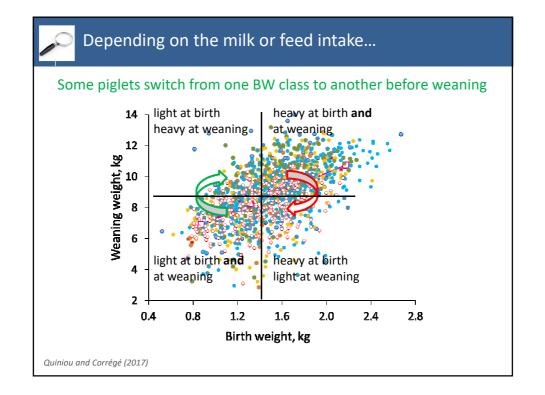
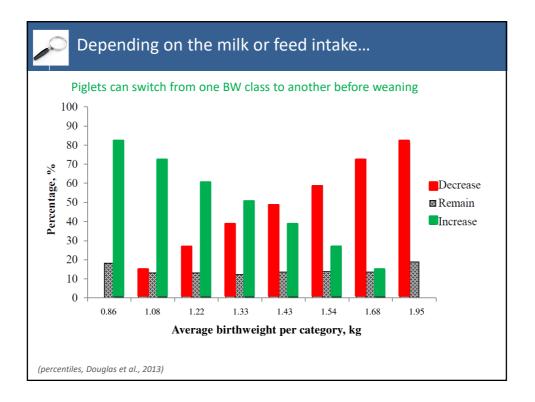
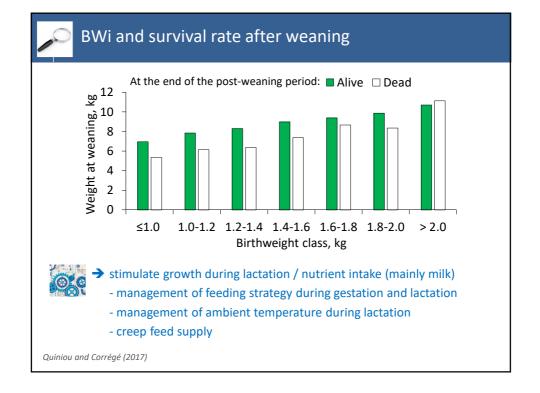
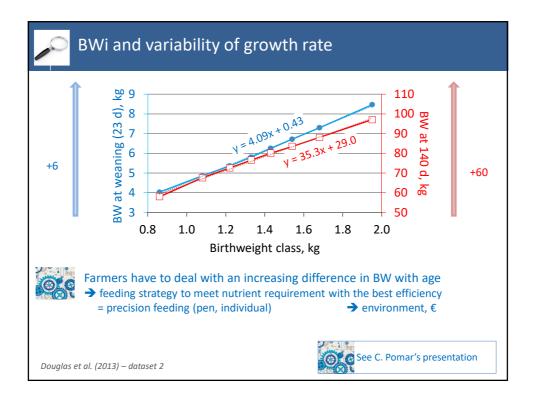


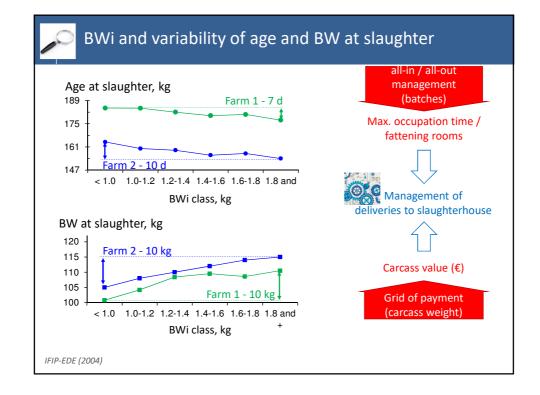
Low BWi = reduced colostrum intake			
Status / age	Dead ≤ 3 d	Dead > 4 d	Weaned
Birthweight, kg	1.02	1.31	1.40
Colostrum intake, g	72	219	326
Body T° at 24 h, °C	36.4	37.5	37.8
Immunoglobulin G, mg/ml	15.4	21.3	24.0
specific care at birth is requearly survival rate of low BV		ease	

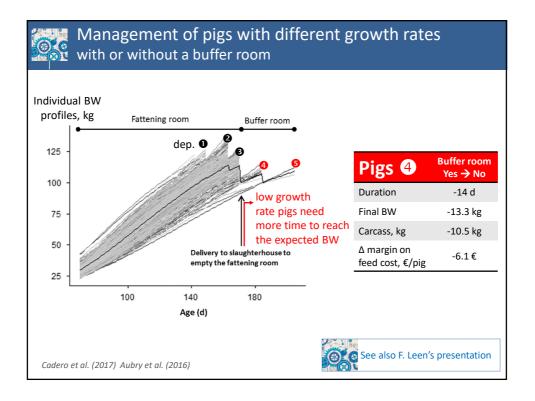


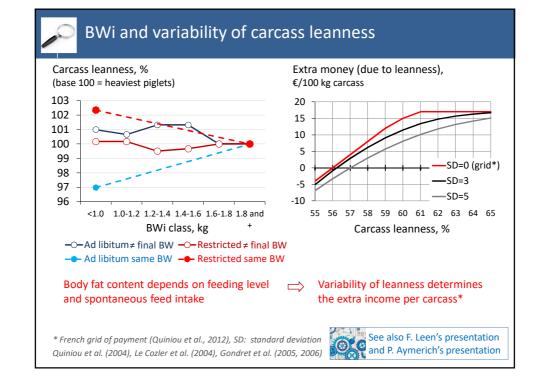


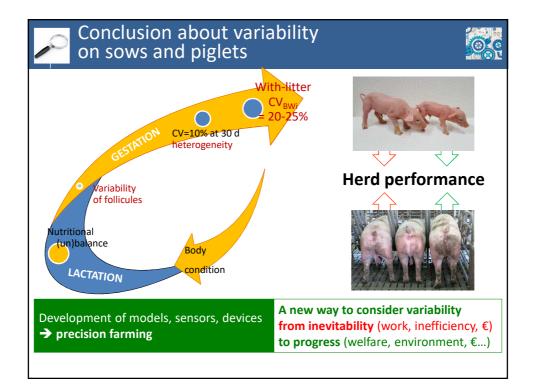












## Updated abstract

EAAP Annual Meeting 2018, Dubrovnik, Croatia

Abstract title: Description and consequences of variability in sows and piglets Author: Quiniou, N., Marcon, M., Salaün, Y., Dourmad, J.Y., Gondret, F., Quesnel, H., Van Milgen, J., Brossard, L. Presentation: Theatre

Session 29: Variability in the pig production chain - problems and opportunities

Abstract text:

Even though animals are from the same genetic line, farmers have to cope with variability both in sows and piglets. In sows, variability is observed in traits such as parity, prolificacy, appetite, body weight (BW) and back fat thickness (BF). For instance, at the beginning of gestation, variability in body condition among sows can be high due to parity and age. In addition, at a given age, variability in litter size, milk potential, and appetite results in different nutrient requirements and consequently in variability of changes in maternal body reserves. Variability in BF can be a problem as several studies have indicated that too high or too low BF values are to be avoided at farrowing as well as at weaning. In both cases, the longevity of the sow is impaired, and farmers are advised to manage the sows toward a target BF depending on the physiological stage, associated with an age-dependant BW, increasing with age up to mature BW. In addition, variation in sow's body condition at farrowing and in prolificacy influences the new born and weaning piglet traits. Compared to less prolific sows, high-prolific sows farrow more piglets, which are both lighter on average and more heterogeneous. Compared to normal birthweight piglets, the survival rate of low birthweight piglets is lower. Providing additional care around birth helps these piglets to survive, but subsequent housing and feeding management have to be adapted to deal with the variability in their growth potential. Nutritional strategies (based on modelling approaches that take into account criteria that influence requirements) are suggested to optimise the expression of the animals' potential, but most often without an intention to reduce inter-individual variability in growth performance. In order to control or reduce variability, ofthe diet. The challenge is now to validate these solutions in production units, which will be more or less easy depending on the existing housing and feeding systems, and the economic, welfare and environmental context. This