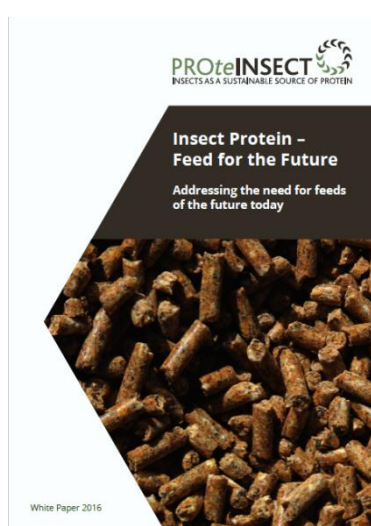


PROTEINSECT: insects as a sustainable source of protein

Food security is a global challenge. Within the overall increased demand for food, and particularly meat production, there is also an urgent need to increase supply of protein from sustainable sources.

The principle objective of the international and multidisciplinary PROteINSECT consortium is to facilitate the exploitation of insects as an alternative protein source for animal and human nutrition.

Advances have been made in rearing of insects for incorporation in animal feed in countries including China and Mali. The consortium brings together expertise in these countries together with European insect breeders and feed production companies in order to optimise systems and set up pilot scale production facilities in the EU.



The project will demonstrate the feasibility of the use of insect-derived proteins in animal feed through trials with fish, poultry and pigs. Quality and safety along the food chain from insect protein itself, to incorporation in feed and ultimately human consumption of insect-protein reared livestock, will be evaluated. The use of waste streams that focus on animal rather than plant material for insect rearing will be examined. To optimise the economic viability of the use of insect proteins, uses for the residual flows from the production system will be determined. Life cycle analyses will enable the design of optimised and sustainable production systems suitable for adoption in both ICPC and European countries. Key to uptake is ensuring that a regulatory framework is in place and this will be encouraged by the preparation of a White Paper following

consultation with key stakeholders, experts and consumers.

PROteINSECT will build a pro-insect platform in Europe to encourage adoption of sustainable protein production technologies in order to reduce the reliance of the feed industry on plant/fish derived proteins in the short term, and promote the acceptance of insect protein as a direct component of human food in the longer term.

Please visit the dedicated [PROteINSECT website](https://proteinssect.eu).