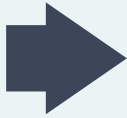




NOSHAN

**Sustainable Production
of Functional and Safe
Feed from Food Waste**



NOSHAN is a project funded by the European Commission that has investigated the process and technologies needed to use food waste for feed production at low cost, low energy consumption and with maximal valorisation of starting wastes.

WHAT HAVE WE ACHIEVED?



KNOWLEDGE



Full Database of food waste: availability and detailed characterisation



LCA implementation on food waste on a large scale system



TECHNOLOGIES



Tailored production of pectin derived oligosaccharides by coupling of hydrolysis and separation



Refractive Window Drying for feed additive production



Planetary roller extrusion for feed production from food waste



PRODUCTS



Olive pomace extract



Bioactive peptides from rapeseed press cake hydrolysate



Oligopectins from sugar beet pulp

MAIN IMPACTS

ENVIRONMENTAL IMPACTS



Reducing organic waste



Increasing reuse potential of food waste



Reducing the greenhouse emissions

INDUSTRIAL & ECONOMIC IMPACTS



Energy consumption



Raw materials inputs



Water usage in the feed chain



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement No 312140.

Partners:

LEITAT Technological Center

vito vision on technology

UNIVERSITÀ DEGLI STUDI DI PARMA

nutrition sciences

ILVO Institute for Agricultural and Fisheries Research

Kim Knowledge innovation market

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