

Tests on CHIMERA prototype continue

Tests on the prototype plant situated in the laying hens' farm of Lorenzetti in Castelfidardo, Italy, are going on. 3P Engineering has encouraging results concerning the sludge composition.

Furthermore, in these days we are taking part to some important events:

- Visit of the Croatian delegation for LIFE Program on October 24 in Rome, Italy;
- International Poultry Forum on October 24 in Cremona, Italy;
- ECOMONDO, the main fair for circular economy in Europe, on November 7 and 8 in Rimini, Italy.



LIFE-CHIMERA hits

Last month's tests confirmed that, by using appropriate additives (flocculants), the sludge coming from the combustion of manure in the CHIMERA prototype plant could be transformed into a substance with the right consistency to be pelletized and used as N-P-K fertilizer.



A centrifugal decanter allows the separation of sludge and facilitates the process. Once separated, liquid part is reintroduced into scrubbers and solid part is transformed into small cylinders. Those cylinders are commonly called “pellets” and are widely used as N-P-K fertilizer. The liquid part, reintroduced into scrubbers, is used for washing fumes: no water is then added to the process.

These results are encouraging and confirm what was foreseen in the project proposal phase. Moreover, the engineers are working very hard to test solutions for breaking down emissions of nitrogen and sulfur oxides and of ammonia: this is the real challenge of CHIMERA!

Events

- **Croatian Delegation in Rome, October 24.**

Within the realm of the capacity building project [“HR NCP - MENP - Capacity Building for Croatia's National CP for the LIFE programme – Ministry of Environment and Energy”](#), the Italian Ministry of Environment has invited 3P Engineering to present LIFE CHIMERA project to the Croatian National Contact Point for the LIFE Program on October 24th in Rome.

Capacity building projects aim at strengthening the participation potential of some EU member states to the LIFE Program also through visits to those countries that are considered more virtuous, like Italy. Within this context, LIFE CHIMERA thematic area is of high interest for Croatia.

3P Engineering is one of the participants to the meeting with other three LIFE projects: **CHOO-NA** (LIFE16 ESC/IT/000002), **LIFE MATHER** (LIFE16 ENV/IT/000211), **LIFE_SC** (LIFE16 ENV/IT/000337).

• **International Poultry Forum in Cremona, October 24.**

The International Poultry Forum is one of the most important events in Europe for the poultry breeding. We have taken part to the fair as visitors this year, to get acquainted with the format and explore some networking opportunities with chicken farmers.

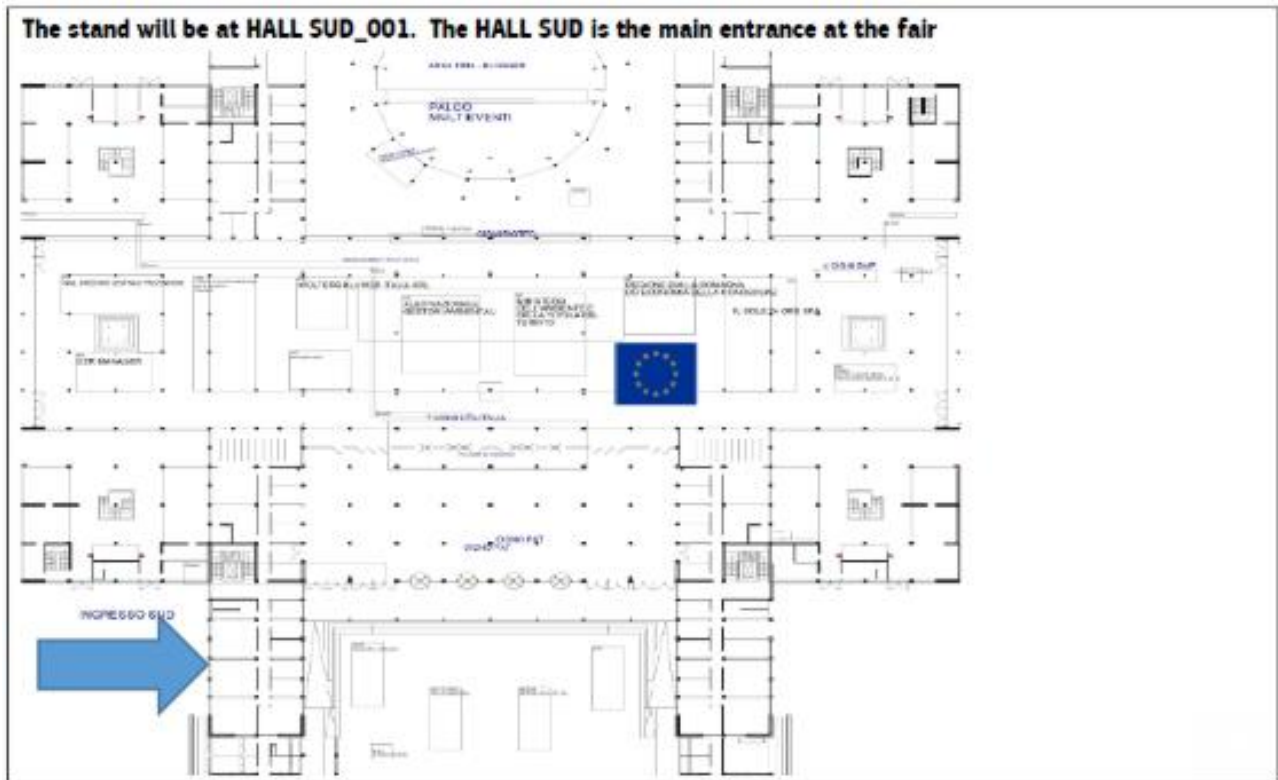
In the meanwhile, 3P Engineering has also taken part to a workshop jointly organized by three other LIFE Projects: [LIFE+ Forage4Climate](#) that investigated how fodder forage influence on climate change; [LIFE DOP](#) on the circular economy in the dairy industry of excellence; and [LIFE ARIMEDA](#) working on the reduction of ammonia emissions through innovative fertigation techniques. The workshop is about the best management of zootechnical waste to reduce greenhouse emissions. This objective coincides with one of the main aims of CHIMERA project and, importantly, our ambition is to replicate the CHIMERA solution also to other farming industries other than chicken such as cattle and pigs.

The confrontation with other LIFE Projects aligned on the same objectives will allow 3P Engineering to gain a better insight on the industry and on the state of the art of the research in the various sectors.

• **ECOMONDO in Rimini, November 7 and 8.**

This will be our third year attending ECOMONDO, the most important fair on circular economy in Europe. The first year 3P Engineering was just visitor, on the second year we participated with CHIMERA to a poster session on a conference about Industrial Symbiosis and on this third year we are proud to announce two main events:

1. **EASME** – the European Agency for SMEs – has invited 3P Engineering to present CHIMERA project in a reserved area for the best 38 European Projects addressing climate issues. We have an earmarked booth on November 7 from 13:30 to 18 hours.
2. LIFE CHIMERA was selected for an oral contribution to the Conference on “**The effects of industrial symbiosis on productive and territorial systems**” on November 8 (Sala Neri 1) from 14 to 18 hours. Industrial symbiosis is gaining importance in policymaking as a strategy addressed at making the residues of one activity available for another one. This is exactly what CHIMERA project is trying to do and our intervention will be indeed on the "Industrial symbiosis between poultry farming and fertilizer industry".



You will find more information on the [NEWS section](#) of our website.

[Check our photogallery](#) for pictures!

CHIMERA is a [LIFE](#) project



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LIFE CHIMERA - CHICKENS MANURE
EXPLOITATION AND REVALUATION"

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LIFE CHIMERA - CHICKENS MANURE EXPLOITATION AND REVALUATION"

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