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## **FLagship demonstration of industrial scale production of nutrient Resources from Mealworms to develop a bioeconomY New Generation**

Coordinated by YNSECT, a French start-up company specialized in beetle breeding and insect-based products, FARMYNG project aims to build the largest insect vertical farm in the world, to produce premium proteins from insects for animal nutrition and fertilizer.

### **FARMYNG project progress**

#### **Ynfarm is still in construction**

Ynfarm is the highest, the most technological and the first carbon negative insect protein vertical farm of the world. This world premiere is now in construction near Amiens, at Poulainville.

Recently, a very important milestone has been reached: the setting-up of the machinery inside.



The vertical farm production should start between July and October 2022 and will create over 500 jobs in Northern France.

### **The construction phase of the utilities**

The vertical farm is divided into 4 main parts: utilities, livestock, processing and support facilities. The objective is to start the installations at the end of the year. Ynfarm is in the final stages of construction of the breeding part. Already one of the 5 breeding units is undergoing interior installation work. December starts with the construction of the processing and support facilities.

### **A scientific publication has been published**

The Commissariat Energie Atomique et aux Energies Alternatives (CEA) and Ynsect, both partner of the FARMYNG project wrote, together, a scientific publication performed in the framework of Work Package 5 which aims at building a robust and sustainable breeding strategy based on DNA sequencing and high throughput genotyping to ensure genetic diversity within the livestock.

In that context, the CEA presented, at the Environmental and Agronomical Genomics 2021 symposium, a poster to sum up this scientific publication “Chromosome-scale assembly of the yellow mealworm genome”, last October 2021.

Read the scientific publication "[Chromosome-scale assembly of the yellow mealworm genome](#)"

**CBE JU, the next EU bioeconomy programme for**

FARMYNG project was selected for funding in 2018 under the Bio Based Industry Joint Undertaking (BBI JU), a Public-Private Partnership between the European Union and the Biobased Industries Consortium.

For the period 2021-2027, and as a European Partnership related to the Horizon Europe programme, the Circular Bio-based Europe (CBE JU) has succeeded to the Bio Based Industry Joint Undertaking (BBI JU).

With a budget of €2 billion, CBE JU aims to green the European biorefinery industry, aiming to make it circular and zero-waste. This European Partnership will significantly contribute to the 2030 climate targets, paving the way for climate neutrality by 2050, and will increase the sustainability and circularity of production and consumption systems, in line with the European Green Deal. The first calls for projects are expected in 2022.

[To know more about the CBE JU.](#)



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