

The **Data-Driven Bioeconomy project (DATABIO)** is led by **48 partners** from **17 countries** that worked all the 2017 to achieve its main goal to show the **benefits of Big Data technologies in the raw material production from the agriculture, forestry and fishery/aquaculture sectors in Europe**, thereby enhancing the industry's sustainability and responsible resource use, fishery/aquaculture and forestry, agriculture is to show the benefits of Big Data technologies in the raw material production.

In order to enhance such key objective, in the last months the **DATABIO partners** organized and participated to significant events all around Europe, that are here presented to learn more about them.



The DATABIO partners UWB and Lesprojekt have been co-organizers of the Pilsen Open 2017 event on the 2-3 October 2017, together with the Plan4all association. This was the continuation of the INSPIRE Hack 2017. This time, the hack took place in Pilsen (Czech Republic). The hackathon enabled to further develop projects and ideas registered to the INSPIRE Hack 2017 as well as to promote new ones around the topics Environmental and Societal challenges, Volunteered geographic information (VGI), Sensor domain, Citizen observatories, Open data.

To know more regarding the event, click [here!](#)



Kickoff Meeting – Pilot A2.1- Thessaloniki, Greece, October 23-24, 2017.

The DataBio's pilot A2.1 "Big data management in greenhouse ecosystems" held its kickoff meeting in **Thessaloniki, Greece, on October 23-24, 2017.**

Were represented at this meeting the Italian Council for agricultural research and economics (**CREA**), **EXUS** and two Greek entities: the centre for research and technology (**CERTH**), and Neupublic (**NP**).

The **main objective** of the meeting was to outline the **roadmap** (refer to the below diagram) of the A2.1 pilot over DataBio's lifecycle. **The pilot is run in close collaboration between CREA and CERTH.** The two institutions will share complete complementary tasks with CREA handling genomic predictions and selection (**GS**), while CERTH will be responsible for phenomics, metabolomics, genomics and environmental datasets acquisition.

GS is a new paradigm in agriculture and proved superior results relative to other approaches implemented thus far. **The superiority of GS** is mostly dependent upon the novel kind of algorithms accommodating the use of large number of marker loci covering the entire genome of interest; accounting for Quantitative Traits Loci of small effects becomes possible.

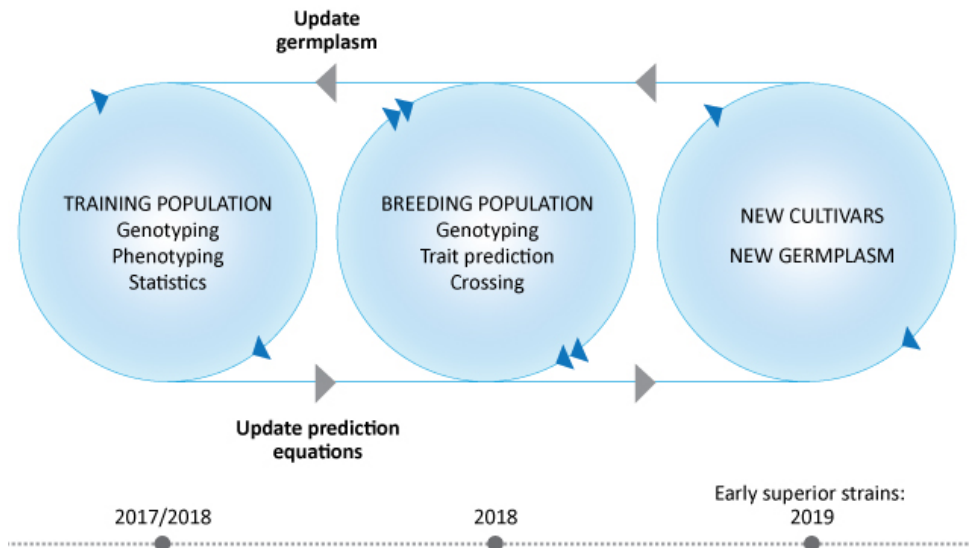
In this pilot, different assumptions of the distribution of marker effects are accommodated in order to account for different models of genetic variation including but not limited to:

1. the infinitesimal model,
2. finite loci model,
3. algorithms extending Fisher's infinitesimal model of genetic variation to

account for non-additive genetic effects.

Integrating **quantitative and population genetics, driven by big data streaming from large-scale high-throughput genomics, metabolomics, and phenomics platforms**, is poised to offer new solutions to classical current problems in quantitative genetics as applied in vegetable breeding.

[Read more ...](#)



The Databio partner GAIA Epicherein co-organized the **4th Panhellenic Congress on the development of Greek Agriculture**. The event took place in Thessaloniki, Greece on the 9-10th of November 2017. Thanks to such event, each year, more than 500 representatives from the farming community, the academic & research community, from regional, national and EU authorities as well as major stakeholders across the agri-food chain in Greece and the EU, gather together in order to share their vision on Greek and EU agriculture and exchange views on trends and policies affecting the development of Greek agriculture. In the framework of such event the partner Ciotech had also the possibility to meet several DATABIO stakeholders to present the Databio activities and to foster networking.

To know more regarding the event, click [here!](#)



SGPF

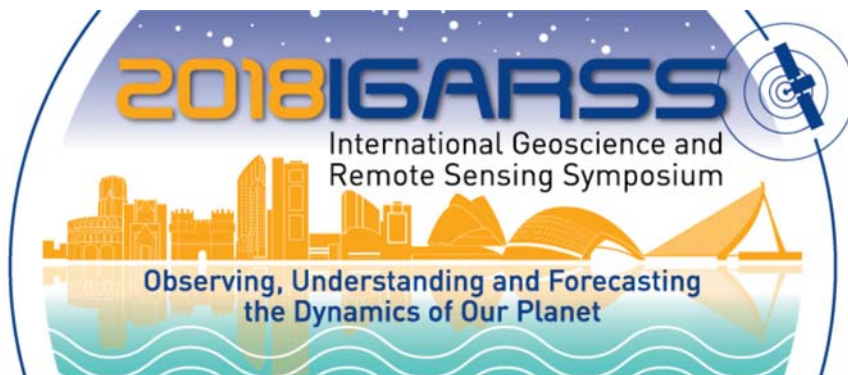
Schweizerische Gesellschaft für
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The Databio partners Intrasoft and CiaoTech/PNO participated to the EBDVF 2017 event, jointly organised by the Big Data Value Association and the European Commission, that has been held in Versailles, France from the 21st to the 23rd November 2017 . Keynotes and presentations ranged from cutting-edge industrial applications of Big Data technologies, innovative business cases of the data economy, inspiring future visions, and insights on EU policy-making and R&D&I funding in this area.

To know more regarding the event, click [here!](#)

NEXT EVENT



A special session for the Databio project has been planned in the IGARSS 2018 the International Geoscience and Remote Sensing Symposium that will be organized next July 2018 in Valencia, Spain. Several DataBio partners already submitted several abstracts.

Click [here](#) to know more!



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