



## “HarnesstomDB Datathon: Hands on Training Course on the HARNESSTOM Tomato Database”

HarnesstomDB Datathon is a 2-day workshop aiming at introducing the HarnesstomDB (<https://gateway.harnesstom.eu>), a comprehensive publicly available open-source multi-omics database for facilitating the use of the potential of tomato germplasm collections for breeding.

The hands-on course focus on tools, resources and submission of (meta)data. During the course we will use a combination of theoretical and practical sessions to provide all participants with the knowledge, skills and confidence to work with HarnesstomDB.

### Methodology

- **Place:** NH Collection Gran Hotel de Zaragoza, Zaragoza, Spain
- **Dates for the workshop:** 4-5 March 2023 from 8:30 to 19:30
- **Workshop organizers:** Clara Pons Puig, David Pierre, María José Rubio, Julien Pirrello, Antonio Granell
- **Type of course:** in person
- **Language:** English
- **Number of places:** 12
- **Intended Audience:** The course is directed to individuals having minimum basic understanding on plant biology, genetics and breeding.
  - A baseline level of the understanding of concepts such as genetic resources, genome, genotype, molecular markers, mapping populations, experimental design, phenotype, QTL and GWAS and genetic variants are pre-requisite.
  - A basic knowledge of excel.
- **Material needed:** Participants must bring their own laptop computer. Exercises will be performed on a remote server.
- **Material provided:** We will provide experimental datasets for use during the course, as this helps to keep the workshop moving. There will be time, however, to discuss your own datasets and how you might work with them outside of the workshop.
- **Participation:** The course is available to any applicant who meets the requirements and have been selected via the selection process.
- **Registration fees:** The participation in the training school is free but solely Europeans (except Russian and Belarusian citizens according COST Association rules) can apply for reimbursement. Applications will be reviewed by a committee of three members. Selected applicants will be reimbursed according to the COST rules (transport expenses and daily allowance)
- **Workshop Sponsors:** ROXYCost, HARNESSTOM, CITA

For more information about the training school, contact to all the following: Dr. Clara Pons ([cpons@upvnet.upv.es](mailto:cpons@upvnet.upv.es)), Eng. David Pierre ([david.pierre@toulouse-inp.fr](mailto:david.pierre@toulouse-inp.fr)), Dr. Antonio Granell ([agranell@ibmcp.upv.es](mailto:agranell@ibmcp.upv.es)) and Dr. Julien Pirrello ([julien.pirrello@ensat.fr](mailto:julien.pirrello@ensat.fr)).





## Applications

<https://forms.gle/8KNvUqYgyczgMBfw8>

Registration for application opens: 23/01/2024

Registration for application closes: 09/02/2024

Accepted notification date: 12/02/2024

Maximum number of participants that may be accepted will be capped at 12.

## Program for two days

The course curriculum will cover the following main themes (subject to slight changes):

### Day 1. Introduction to HarnesstomDB

Introduction to biological databases, data formats, ontologies

HarnesstomDB: conceptual schema, modules, entities and meta(data) standards.

HarnesstomDB: registration, terms and conditions, privacy. Hands-on

HarnesstomDB: searching, downloading and visualization tools. Hands-on

### Day 2. Submitting data to HarnesstomDB

Introduction to HarnesstomDB (meta)data submission

Submitting data through HarnesstomDB v1.0 create application. Hands-on

Template and Bulk data submission Hands-on

Work with your own data. Hands-on

Participant feedback and closure

