WORKSHOP 6

Disaster Victim Identification: DNA matching and statistical analysis
Laura Catelli & Lourdes Prieto

August 29, 2025 | 1 pm - 5 pm (CEST)

Program

Time schedule (CEST)	Subject
13:00-13:15h	**Welcome** - Brief introduction: tips to understand formulas
13:15-13:45h	**Complexity of DVI scenarios**: Number of victims, individual vs. comingled human remains, closed vs. open scenarios, single vs. several related victims, primary vs. secondary graves
13:45-14:15h	**Post-mortem profiles:** problems (partial profiles, drop-out/in), types of comparisons (direct and kinship), false positives and false negatives.
14:15-15:15h	**Ante-mortem profiles:** pedigree check, non-conditional and conditional simulations, problems (distant relatives, errors in pedigrees, mutations, non-paternity events).
15:15h-15:30h	Break
15:30-16:30h	**AM-PM comparisons:** types of comparisons (direct and kinship), problems (false positives and negatives), Bayes theorem, prior probabilities, types of approaches (one to one, PM-driven, AM-driven, Joint approach)
16:30-17:00h	DVI Demo using Familias

Although this workshop does not include practical exercises, a demo of a DVI scenario analyzed using Familias software will be shown at the end of the course. The files used will be made available to participants so they can play the demo after the workshop if they wish. To do so, they will need to install the following software on their computers:

- *Familias 3*, http://familias.no/english/download/ (preferably v3.3, released 2021-12-09)

- *R*, preferably version 4.2.x or higher, https://cran.r-project.org/bin/windows/base/.

Please note that installation is typically only possible if you are the administrator on your laptop (this is required).