

Online meeting in EWRS Working Group Soil Seed Bank, Germination and Early Growth 21 December 2022

A short online meeting was held on Zoom in the EWRS Working Group (WG) Soil Seed Bank, Germination and Early Growth on 21 December 2022 with 13 participants from 11 countries.

It was decided that the **next physical workshop** in the WG will be in Perugia, 13-15 June 2023. The content will mainly be the same content as was planned for the cancelled workshop in 2020: a modelling workshop and opportunities to discuss common experiment and present own data.

We discussed **ideas for new common experiments**. It was decided to follow up the former common experiments on *Echinochloa-crus galli* with studies to estimate base temperature and base water potential for old and new seeds. Aritz Royo-Esnal and Valentina Sostarcic will make protocol for this study. Further it was collected ideas for new common experiments that will be more discussed in Perugia. Suggestions for specific species to work with were *Conyza canadensis*, *Sorghum halepense*, *Ailanthus altissima*, *Reynutria japonica*, *Cirsium arvense*, and *Sonchus arvensis*. There were also suggestions for studies on weeds in general: 1) weeds in non-disturbed soil/no-till and 2) test methods to estimate weed seed banks in soil (germination methods and extraction methods).

We also discussed further work with **publications** from common experiments on *Avena fatua*, a review paper and plans for a technical book on the working group topics. The former common experiment on *Echinochloa-crus galli* is published in 3 papers (Royo-Esnal et al. 2022a & b in Weed Research, Necajeva et al. 2022 in Agronomy Journal).

Aritz Royo-Esnal (Spain) will be replacing Kirsten S. Tørresen (Norway) as a new WG coordinator from January 2023.