



# Germinate Hub

DivSeek AGM  
12<sup>th</sup> January 2023 San Diego

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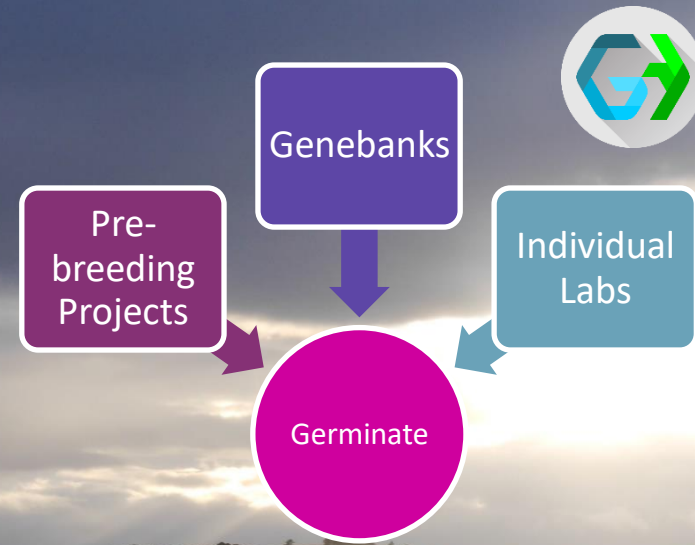
The International Barley Hub/James Hutton Institute Scotland



The James  
**Hutton**  
Institute

# What was new in `22

- UAV data
- User feedback features
- Ionomics data
- Environmental sensor data
- GridScore
- New member of staff
- New DivSeek interactions (*e.g. Josquin Tibbits and Sally Norton - Australian Grains Genebank*)
- BrAPI pedigree implementation
- New Germinate crops!
- Germinate/GridScore Training



## Database Solutions for Genebanks and Germplasm Collections 2023

Paul Shaw, Stephan Weise, Matija Obreza, Sebastian Raubach, Susan McCouch, Benjamin Kilian, Peter Werner



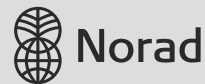
Raubach, S., Schreiber, M. & Shaw, P.D. GridScore: a tool for accurate, cross-platform phenotypic data collection and visualization. *BMC Bioinformatics* 23, 214 (2022).

<https://doi.org/10.1186/s12859-022-04755-2>

# New/Recent Collaborations/Grants



- Horizon Europe BEST-CROP (2023-2028)
- Crop Trust BOLD (2021-2029)
- RESAS BARGAIN (2022-2026)
- BBSRC JHI/IPK Barley Travel Award (2021-2024)
- Horizon 2020 BreedingValue (2021-2024)
- Sustainability in Education and Agriculture using MixtureS (2021-2023)
- SusCrop ERA-NET BRACE (2021)
- SusCrop ERA-NET WheatSecurity(2023)
- SusCrop ERA-NET ProGrace (2023)
- OzBarley (Australia)
- ICBA Genebank (UAE)
- Quinoa (KAUST)



SEFARI



# Acknowledgements

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- Glenn Bryan
- Malcolm Macaulay
- All our funders and partners!
- + Apologies to those who I may have missed.



@GerminateHub

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