

History





WISP

Wheat Institute Strategic Programme 2012 - 2017



DSW

Delivering Sustainable Wheat 2023 - 2028



DFW

Designing Future Wheat 2017 - 2023



The Partners

























The Partners







Aim

To address critical challenges in wheat health, yield, nutritional value and production, to safeguard the future of this vital crop.





Key Research Questions ¥

- Increased yield with the same nutrient input
- Adaptation to changing agricultural systems
- Integrated pest management
- Increased wheat nutrient density
- **FAIR Data**

Sustainable Wheat Production









Simon Griffiths

Programme Lead



Malcolm Hawkesford Cristobal Uauy

Work Package 1
Targeted sustainabilitytrait discovery



Kim Hammond Kosack
Paul Nicholson

Work Package 2
Delivering resilience to
biotic stress



Cathrina Edwards
Fred Warren

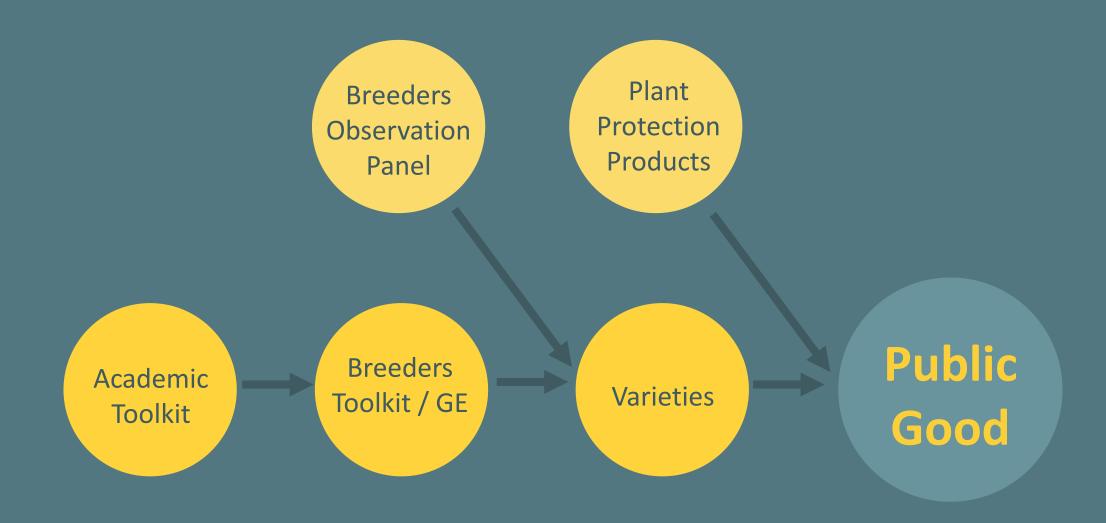
Work Package 3
Nutritional traits



Richard Leggett
Diane Saunders

Work Package 4
Sustainable data
frameworks for wheat

Delivering genetics for new varieties





Research Highlights

WP1: First direct drill trials established at Rothamsted.

WP2: New wheat blast resistance gene identified.

WP3: Major field trial assessing mineral content of the Watkins collection completed.

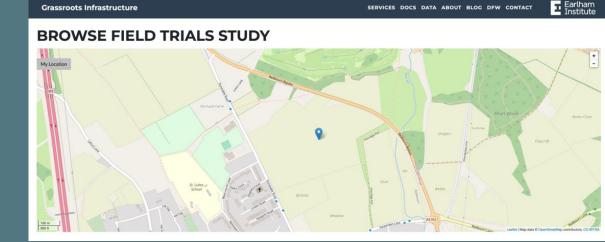
WP4: Generation of a wheat pan-transcriptome with *de novo* annotation.

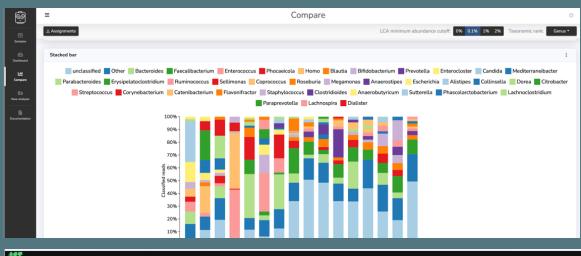


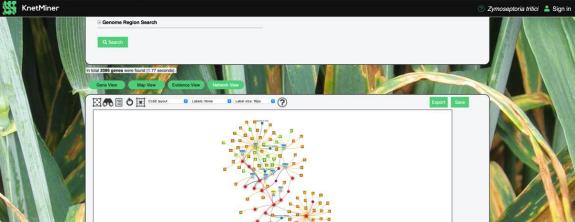
Societal and Economic Impact

Data

Deliver an accessible and open toolkit of richly described data, data processing tools and user-facing web services.







Societal and Economic Impact

Training

Strengthen the wheat workforce for the future by providing training and workshops.



Thankyou







































