

WGIN 3 Management Meeting 11th October 2016 @ RAGT

This was the sixth Management Meeting of the **DEFRA** funded **WGIN3**.

FINAL Minutes

Attendees:

Peter Shewry (PS) (chair), Lesley Smart* (LS), Gia Aradottir (GA), Malcolm Hawkesford*(MH), Andrew Riche (AR), Vanessa Mcmillan* (VM), Kim Hammond-Kosack*(KHK), Michael Hammond-Kosack (MHK) (RRes), Simon Griffiths (SG), Clare Lister* (CL) (JIC), Dhan Bhandari (DB) (HGCA), Simon Berry (SB) (Limagrain), Jacob Lage (JL) (KWS), Matt Kerton (MK) (DSV), Sarah Holdgate (SH) (NIAB), Andre Coombe, Ruth Bryant (RB), Peter Jack (PJ) (RAGT), David Feuerhelm (DF)(Syngenta), Stephen Smith (SS)(Elsoms), Martin Cannell (MC)(Defra)

[*=gave oral presentation]

A. Welcome – Peter Shewry

B. Presentations:

1. Review of minutes from October 11th 2016 (KHK)

Approved by all. Will go on website.

2. Tools, resources, genotyping and phenotyping – (CL)

Details can be found in the presentation (pp 1 – 24) on the WGIN website.

3. Using the WGIN Diversity trial to develop drone applications (AR)

Details in presentation (pp25 – 45).

4. Resistance to Aphids (LS)

Details in Presentation online (pp46 – 56).

The main focus will be on MDR049 which shows the most promising resistance to aphids.

The F₃ generations of the *T.monococcum* crosses will be tested next month.

Q. DF – how many F₂ plants were tested?

A. LS – several hundred for each *Tm* cross.

C. DF – why are so many traits expressed in diploid species but not hexaploid?

5. Take-All and Foliar Diseases (VM)

Details in presentation online (pp57 – 82).

Q. SB – was the yellow rust infection in the field natural?

A. VM – yes

C. SH – there has been a wide race change between last year and this year.

Q. CL – could the yellow rust resistance be tested on seedlings in glasshouse?

A. VM, SH – yes.

C. DF – it would be worth going back to select (more) Watkins lines with moderate resistance.

6. Update on Wheat Promotome Capture (MHK)

Details in presentation online (pp83 – 93).

7. Update on Stakeholder Panel Discussion (PS)

PS will give an introduction to ‘Grain Quality’, and has since this MM contacted people from different sectors (see ‘update’ below). Asked by Peter for suggestions for perspectives for the discussion, these included

- Major differences in ten years’ time / major changes re breadmaking quality (DF)
- Protein dilution (PJ)
- Changing markets (SB)
- Changes in consumer habits (CL)
- Maintaining quality in difficult years / Stability of quality (KHK)
- Markets for soft wheats (DB)

Action: MHK to email WGIN MM team for more suggestions/questions for the panel

Regarding different sectors to be part of the Panel Discussion, these were suggested

- Agritech
- Welcome Trust
- Food Research Institute (Norwich)
- Wheat breeding company (Celia Bequain, RAGT)
- Bread making company (Sam Millar, Warburtons)
- Mark Charlton
- Supermarket (MHK -> Tesco, Henry Blain)

Update: So far, Sam Millar from Warburtons and RAGT have agreed to take part. Henry Blain from Tesco (contacted by MHK) who had already registered for the Stakeholders' Meeting declined, because he 'will be attending to learn more myself and doesn't feel best placed to be part of the panel'.

8. Update on Stakeholder Meeting (MHK)

So far, around 50 people have registered via Eventbrite. The draft agenda will be prepared and sent round asap.

Regarding presentations, the list so far includes

- A presentation about IWYP (International Wheat Yield Partnership) by Mark Sawkin
- Wheat Market Update (AHDB)
- An Introduction to CHAP (Crop Health And Protection) by Lin Field
- Designing Future Wheat by Simon Griffiths
- Tools, resources, genotyping and phenotyping by Clare Lister

Update: Since the meeting MHK has re-sent the invitation to all Stakeholder Invitees (178 in current list), the WGIN Management Team and all non-WGIN Trait Coordinators (for Promotome Capture). Trait coordinators have also been asked whether they wanted to give a short introduction to their research.

9. A short update from Martin Cannell (Defra)

Defra is unlikely to have the same level of funding, and is looking into how to maximise the funding by linking with partners. He was however optimistic about continuing funding for the next phase of WGIN and stressed that there is a lot of support for the GINs within Defra.

Kim pl add something here about the extended funding?

10. AOB

The date for the next management meeting was suggested as **January 11th 2017** by PS and agreed by everyone. JL volunteered KWS to host the meeting.

Update: Please note that the meeting will now take place at KWS **on Thursday January 12th 2017**