

Agenda

Oilseeds Genetic Improvement Network Management Meeting

Wednesday 18th December 2024, John Innes Centre conference centre G34/35

14:30 Meeting starts

Minutes and action points from previous meeting (Ian Bancroft)

Project management and administrative matters (Ian Bancroft, Fay Walsh)

Updates on work programme

ii) Oilseed rape network and traits

- a) Provision of physical resources to underpin OSR breeding (Graham Teakle, Yongju Huang)
- b) Provision of information resources to underpin OSR breeding (Yongju Huang, Zhesi He)
- c) A mutagenesis approach to improving LLS resistance (Ian Bancroft, Peter Bancroft, Mark Nightingale, Coretta Kloeppel, Yongju Huang, Chinthani Karandeni-Dewage, Tom Wood, Jon West)
- d) Hybrid vigour for improving pest tolerance and rooting (Ian Bancroft, Peter Bancroft, Mark Nightingale, Coretta Kloeppel, Pete Berry)
- e) Glucosinolate-based pest deterrence (Ian Bancroft, Madeleine Berger)

iii) Novel technologies in oilseed rape

- a) Advancing wild relative introgression in WOSR (Ian Bancroft, Peter Bancroft, Zhesi He, Yongju Huang)
- b) Advancing radiation mutagenesis in WOSR (Ian Bancroft, Peter Bancroft, Zhesi He)
- c) Parameterization of Genome Editing in WOSR (Tom Lawrenson, Peter Bancroft)
- d) Application of machine learning to variant detection (Zhesi He)
- e) Application of machine learning to association analysis (Zhesi He)
- f) Responsive deployment of novel technologies in WOSR (Ian Bancroft)

iv) Alternative oilseed crops

- a) Climate modelling to identify changing growing environments (Tom Crocker, Andrew Cottrell, Steve Penfield)
- b) Evaluation of hemp as an alternative UK crop (Ian Graham, Mark Nightingale)
- c) Evaluation of sunflower as an alternative UK crop (Florentina Petrescu, Pete Berry, Yongju Huang, John Clarkson, Lauren Chappell)

Updates on knowledge exchange and dissemination

i) Identification of further research and collaboration opportunities (all)

ii) Dissemination plan

- a) Organised meetings (academic focus) – support for UK-BRC (Ian Bancroft)
- b) Organised meetings (stakeholder focus) – OREGIN Stakeholder Forum (Mark Nightingale, Coretta Kloeppel, Steve Penfield)
- c) Training for academic and stakeholder audiences (Andrea Harper)
- d) Publication and availability of data (all)
- e) Community engagement activities in support of hemp cultivation (Ian Graham, Mark Nightingale)
- f) Community engagement activities in support of sunflower cultivation (Florentina Petrescu, Pete Berry, a grower TBC)
- g) Additional SME engagement and dissemination to non-academic audiences (all)

Updates on social Value

- OREGIN training courses (Andrea Harper)
- Early Career Researcher events (Andrea Harper)
- Studentships/placements (Andrea Harper)

Any Other Business

Date for the next Management Committee meeting (~March 2025, by Zoom)

16:30 (estimated) **Meeting Ends**