



Coordinating global research for wheat

**ANNEX 5 (May 2015 update)**

**EXPERT WORKING GROUP MEETING AGENDA AND MINUTES**

Please return your completed form to [wheat.initiative@versailles.inra.fr](mailto:wheat.initiative@versailles.inra.fr)

<p><b>Meeting of the Expert Working Group on Control Wheat Pests and Pathogens</b>          23<sup>rd</sup> September 2015, 1800          Sydney          Chaired by Richard Oliver (CCDM, Australia)</p>
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<b>Participants</b>	
<p>Robert Park (Vicechair, Sydney University, Australia)          Stephen Goodwin (Vicechair, USDA-ARS, Purdue University, USA)          Helene Lucas (Wheat Initiative, France)          Brande Wulff (JIC, UK)          Frank Ordon (Julius Kuhn Institute, Germany)</p>	<p>Gabrielle Tranquilli (Wheat Initiative, France)          Kemal Kazan (CSIRO, Australia)          Peter Solomon (ANU, Australia)          Kar-Chun Tan (CCDM, Australia)          Thomas Miedaner (University Hohenheim, Germany)          Mohammad Razavi (Iranian Research Institute of Plant Protection)          Char Tee Tan (Texas A&amp;M University, USA)</p>

<b>Apologies and Absentees</b>	
<p>Marion Harris (USDA-ARS / Kansas State University, USA)          Shaobin Zhong (North Dakota State University, USA)          James Brown (John Innes Centre, UK)</p>	<p>Morten Lillemo (NMBU, Norway)          Fiona Doohan (University College Dublin, Ireland)          Huyen Phan Phan (Curtin University, Australia)</p>

<b>Agenda</b>
<p>1. Welcome          1.1.</p>
<p>2. Tour de table and apologies          2.1.</p>
<p>3. Previous EWG Meeting          3.1. Minutes          3.2. Outstanding Actions</p>
<p>4. Adoption of an Executive Group          4.1.          4.2. , etc.</p>
<p>5. Determination of Goals          5.1. <b>A survey on the prevalence and importance of different diseases and pests</b>          5.2. <b>Collection and testing of pathogen isolates from around the world</b>          5.3. <b>Training course</b></p>

6.
6.1.
6.2. , etc.
7. Next EWG meeting

<b>Attachments</b>

## MINUTES

### 1. Welcome introduction

Helene Lucas introduced the Wheat Initiative (WI) and explained the format of the EWG. She tabled the strategy document [http://www.wheatinitiative.org/sites/default/files/attached\\_file/wheat\\_initiative\\_sra\\_2.pdf](http://www.wheatinitiative.org/sites/default/files/attached_file/wheat_initiative_sra_2.pdf). EWGs are expected to produce an action plan and report annually to the WI on progress.

### 2. Tour de table and apologies

### 3. Previous EWG Meeting

- a. Minutes approval
- b. Outstanding Actions

### 4. Adoption of an executive committee.

- a. Peter Solomon and Marion Harris adopted.
- b. Suggestion that a breeder be asked to join. Volunteers will be sought

Actions: Robert Park to follow up with Ravi Singh to explore his willingness to join the Executive Committee.

## 5. Determination of Goals

### 5.1A survey on the prevalence and importance of different diseases and pests

RPO suggested we initiate a survey of incidence, prevalence and impact of wheat pests and pathogens. The purpose is to guide the deployment of research and knowledge and transfer resources for maximum impact. This would be a substantial undertaking in both time and money. So we would be looking for ideas on – how to do the study, who could do it and how to fund it. Members agreed with the value of the undertaking. The EWG proposed that our network be surveyed to establish the current levels of information, e.g., Brennan and Murray reports and [www.eurowheat.org](http://www.eurowheat.org).

### 5.2 Collection and testing of pathogen isolates from around the world

This would follow the first goal and would have the aim of determining the level of variation in pathogens and pests. This would be an even more substantial undertaking. Again, we would ask for ideas on how, who and \$\$\$. Some resources are available, e.g., rusts in Denmark, FGSC, individual labs, Epilogic. Discussion of live versus dead/DNA collections. Significant

quarantine issues to be considered. RP mentioned the Australia Group <http://www.australiagroup.net/en/participants.html> and the increasing need to observe national biosecurity policies with respect to moving some pathogen isolates around the world and also information sharing.

### 5.3 Training course

Training course(s) on methods of disease control – examples could be pathotyping methods, screening with effectors and pesticide resistance testing. Would people like to offer modules for such courses?

### 5.4 Discussion on scope. Resolved that scope was the default is to focus on durum and hexawheat; triticale only in passing; all pests and pathogens

Actions: 5.1 Executive committee to draft questionnaire for distribution to network. Robert Park to follow up with Phil Pardey regarding target pests/ pathogens in his current global study.

5.2 Executive Committee to draft questionnaire for distribution to network.

5.3 Executive Committee to write to network seeking –a- training needs and –b- training offers

## 5. AOB

- a. Access to genetic resources – HL provided updates on a Cadenza Tilling population available from JIC.
- b. The EWG supported the idea of a world wide GWAS population. Referred to WI

Actions: RP to provide link to marker gene list ??

To be placed on WI website

[http://maswheat.ucdavis.edu/education/animations/anim\\_mas.htm](http://maswheat.ucdavis.edu/education/animations/anim_mas.htm)

## 6. Next EWG meeting

Actions: Next meeting and the first full formal meeting; the obvious choices are Paris between or after the ECFG and the Septoria meeting (April 3-9) or around the US PAG in January and/or the Eucarpia meeting in Switzerland August 2016.

The ISMPMI and PAG meetings were mentioned

Agreed to be held in Paris in April. Network to be surveyed for short meeting on April 7<sup>th</sup> or a full day meeting on April 10<sup>th</sup>.

## Additional documents