

Appendix I. Workplan

(Agreed at the seventh meeting of the Barley Working Group, May 2011)

Action	Carried out by	By when
Survey on barley genetic stock collections		
Assist in carrying out a full survey and drafting a global conservation (and utilization) strategy paper for barley genetic stocks	Task Force members: Agnese Kolodinska Brantestam (coordinator) Ahmed Jahoor Joanne Russell Michele Stanca Algè Leistrumaité Olga Kovaleva Dionysia Fasoula Alexandre Zoubkovitch Helmut Knüpffer	
Secure funding for the survey, also investigate the possibility of using funds of the Cereals Network already allocated to wheat precise stocks, by extending them to barley	Task Force	Before starting the activity
Develop a questionnaire to be sent out to the target group (a Web-based survey and a Word document will be available for distribution)	Task Force	
Use database search as a complementary method	Task Force	
Assist in the identification of target groups that should receive the questionnaire (persons, groups, institutes, companies that may have useful information and/or material)	Members of the Barley WG	
AEGIS – approaches and aims for the European Barley Collection, criteria for MAAs, steps towards the European collection, quality standards		
Establish the European Barley Collection as part of AEGIS, starting from a substantial part of the IPK barley collection, with the addition of accessions that are held in their respective countries of origin and of other evidently unique accessions.	All WG members	
Compile lists of accessions suggested for inclusion in AEGIS and send them to the Database Manager, Helmut Knüpffer. These lists should include accessions that originated in the respective countries and other evidently unique and important accessions. At the discretion of the WG member, compilation could start already at this stage in consultation with the respective National Coordinator, so that there is agreement at the national level on designation of these accessions as part of AEGIS.	WG members and National Coordinators	By the end of August 2011

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Compile the lists received from the WG members into a European list and validate this list, checking for evident inconsistencies or mistakes. A thorough analysis to identify duplicates is not expected	Helmut Knüpffer	By the end of November 2011
Inform the National Coordinators about the lists of accessions that the WG recommends for inclusion in AEGIS. The designated accessions should be flagged in EURISCO.	Chair of the WG, in consultation with the ECPGR Secretariat	By 15 December 2011
Update EBDB	Helmut Knüpffer	31 December 2011
Species-specific maintenance protocols for wild <i>Hordeum</i> species (as part of the AEGIS quality system)		
Start initial collection of information via email	Task group members: - Agnese Kolodinska Brantestam (coordinator) - Dionysia Fasoula - Helmut Knüpffer - Olga Kovaleva - Gayane Melyan	Before mid-June 2011
Make available (via ECPGR Web site) agreed-upon protocols for wild barley species and <i>H. vulgare</i>	Task group	By end May 2012
Pre-breeding and joint research proposals		
Test a joint disease resistance database among participants (including, for example, data on PGR reactions to different biotic and abiotic stresses, information on availability of molecular markers and on differential sets and nurseries for various important diseases; combining the FIGS concept and evaluation data to develop precise models) Suggest to the Nordforsk's Climate Change project leader (Rikke Bagger) integration of the database matter into the Nordic project, which includes genebanks, private breeders and research institutes and could serve as a good pilot initiative.	Marja Jalli	
Start the development of phenotype tests relevant to abiotic stress resistance by collecting information available on test methods and then distributing it to the WG partners.	Michele Stanca, together with his colleagues	
Send a questionnaire on the evaluation of germplasm for different traits to the WG members. The aim is to collect information on the willingness and possibilities of institutes to 1) phenotype/genotype genebank material for the missing data and 2) participate in ring tests of different traits. Report the outcome and conclusions of the evaluation to partners	Marja Jalli	Before August 2011
Lobby and market for pre-breeding at EU and national levels, and support establishment of public-private partnerships.	All WG members	Start in summer 2011 to reach the next possible call

Action	Carried out by	By when
<p>Project plan for funding - Part I: check the possibility of being integrated in the EC proposal on Plant Genetic Resources Centres (in preparation under the coordination of the ECPGR Secretariat). Barley will be offered as a model crop in the Work Packages on “Genetic stocks” and “Landraces identification”.</p> <ul style="list-style-type: none"> - Contact the designated leader of the Genetics Stocks WP (Morten Rasmussen) - Contact the leader of the Landrace WP (Valeria Negri) 	<p>A. Kolodinska Brantestam Dionysia Fasoula</p>	
<p>Project plan for funding - Part II: plan a barley project for EU calls or others (e.g. World Bank, European Bank). Alongside careful project planning, lobbying has an important role Identify suitable project leader</p>		2012
<p>Conduct an expertise survey among WG members</p> <ul style="list-style-type: none"> - Send questionnaire to partners, requesting information on projects related to WG matters and on contact persons, funding bodies and possible Web page links; forward the collected information for posting on the WG’s Web page - Upload information forwarded by Marja Jalli 	<p>Marja Jalli ECPGR Secretariat</p>	
<p>Dissemination of information among partners</p> <ul style="list-style-type: none"> - e.g. propose and organize workshop on Barley Genetic Resources during 11th IBGS - re-establish Commission on Barley Genetic Resources within IBGS 	All WG members	<p>Ongoing: use of email, Web pages, and specific opportunities such as meetings (Dundee June 2011, 11th IBGS China 2012, International Triticeae Conference 2013, etc.)</p>