



SID 5A **Supplementary Information
 to Final Project Report**

• **ACCESS TO INFORMATION**

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• This form is in Word format and the boxes may be expanded or reduced, as appropriate.

Project identification

1. Is the completed SID 5 attached YES NO
 This form is to be used in conjunction with the SID 5 form for those projects NOT paid at milestone points.
Important: unless both parts of the SID 5 and 5A are completed and submitted together, the Final Report (SID 5) will NOT be accepted.

2. Project title
 Defra - Wheat Genetic Improvement Network - WGIN

3. Defra Project code
 AR0709

4. Defra Project Manager
 Dr. Katherine Bainbridge

5. Name and address of contractor
 Rothamsted Research, Harpenden, Herts
 Postcode AL5 2JQ

6. Contractor's Project Manager
 Dr Kim Hammond-Kosack

7. Project: start date 01/07/2003
 end date 30/11/2008

8. Final year costs: **approved** expenditure £ 140,347
actual expenditure £ 282,969

9. Total project costs/total staff input:
 total **approved** expenditure £ 1,850,539
 total **actual** expenditure £ 2,599,054
 ***approved** staff input £ 326,005
 ***actual** staff input £ 403,228
**Staff years of direct science effort*

10. Is there any Intellectual Property arising from this project which is suitable for commercial exploitation YES NO
 This requires a YES/NO answer only. All other details of any Intellectual Property must be included under the Scientific Report in the SID 5 or in an accompanying Annex.

Scientific objectives

11. List the scientific objectives as set out in the contract. If necessary these can be expressed in abbreviated form. Indicate where amendments have been agreed with the Defra Project Manager, giving the date of amendment.

01. Project management (RRes); **02. Plant genetic resources (JIC)** To characterise at the phenotypic and molecular levels, and make available, the national wheat varietal and specialist genetic lines collection held at JIC; **03. Genetic mapping and marker development (JIC)** To populate current maps with genic markers based on EST sequences, and to link the genetic map to a physical one based on BACs. To drive discovery towards informative, function-related and high throughput 'genotyping-compatible' markers. **04. Hexaploid diversity screen (JIC)** To establish an open-ended (initially largely genotypically-based) database of wheat germplasm relevant to the UK gene pool, for the monitoring of temporal and geographical trends in diversity, and as a resource for future association studies.; **05. Trait identification (RRes and JIC)** To generate quantitative information on important traits for sustainable agriculture and to provide this knowledge in an accessible database. **06. Exploiting T. monococcum (RRes)** - a model for detection of traits, genes and variant alleles and for identifying phenotype: genotype relationships; **07. Mutagenesis (JIC/RRes)** To generate and make available knock-out and change of function mutants as a resource for gene discovery and the identification of novel allelic variants. **08. Wheat Crosses**; **09. TILLING (RRes)** To identify gene sequence variants with biological relevance; **010. Analysis of rice-wheat synteny (RRes)**; **011. Grain archiving (RRes)**; **012. A WGIN Website (RRes)**; **013. Electronic Newsletter (RRes)**; **014. Annual "Stakeholders' Forum"**; **015** To foster strong collaboration between UK wheat researchers; **016** To foster LINK research projects; and **017** To establish and maintain international collaborations.

Milestones

12. List the milestones for the final year.

It is the **responsibility of the contractor** to check fully that **all** milestones have been met and to provide a detailed explanation if this has not proved possible.

Milestone		Target date	Milestones met	
Number	Title		In full	On time
2	Plant Genetic Resource	30/06/2008	yes	yes
3	Genetic mapping & marker development	30/06/2008	yes	yes
4	Hexaploid diversity	30/06/2008	yes	yes
5	Trait identification	30/06/2008	yes	yes
6	Diploid wheat -T. monococcum	30/06/2008	yes	yes
7	Hexaploid mutagenesis	30/06/2008	yes	yes

9	TILLING	30/06/2008	Yes	yes
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13. If any milestones have not been met in the final year or were late, please give an explanation below.

Declaration

14. I declare that the information I have given in forms SID 5 and 5A is correct to the best of my knowledge and belief.

Name	Professor KlIm E. Hammond-Kosack	Date	15 th May 2009
Position held	Deputy Director, Centre for Sustainable Pest and Disease Management		