

# Long-term Studies in Ecology: A celebration of 150 years of the Park Grass experiment

Monday 22<sup>nd</sup> – Wednesday 24<sup>th</sup> May, 2006

Rothamsted Research, Harpenden, Hertfordshire, AL5 2JQ. UK

## Final Programme

### SESSION 1 – Monday 22<sup>nd</sup> May – Chair: Professor Sir Gordon Conway FRS

- 12.00 Registration Commences and Lunch**  
**13.15 Welcome**  
Professor Sir Gordon Conway FRS (DFID)
- 13.30 The history and design of the Park Grass Experiment**  
Mr Paul Poulton (Rothamsted Research)
- 14.10 The contribution of Park Grass to our understanding of soils in a multifunctional environment**  
Professor Keith Gouling / Professor David Powlson (Rothamsted Research)
- 14.50 Ecological insights from Park Grass**  
Professor Mick Crawley FRS (Imperial College)
- 15.30 Coffee**
- 15.50 Evolutionary change in the Park Grass Experiment**  
Professor Jonathan Silvertown (Open University)
- 16.30 Shining a light across Rothamsted farm - long-term studies on moth populations**  
Mr Ian Woiwod (Rothamsted Research)
- 17.10 Aphids: traps, trends and traits**  
Dr Richard Harrington (Rothamsted Research)
- 17.50 Experiments for the next 150 years: The Ecological Continuity Trust**  
Professor Jonathan Silvertown (Open University)
- 18.00 Welcome Reception and Introduction to Poster Session**  
Professor Ian Crute (Rothamsted Research)

### SESSION 2 – Tuesday 23<sup>rd</sup> May – Chair: Professor Howard Dalton FRS

- 9.15 The niche dimension hypothesis of biodiversity**  
Professor David Tilman (University of Minnesota)
- 9.55 New biodiversity experiments as platforms for long-term studies in ecology**  
Professor Bernhard Schmid (University of Zurich)
- 10.35 Use of plant trait databases to interpret long-term experiments on the impacts of changing land-use and climate**  
Professor Philip Grime FRS (University of Sheffield)
- 11.15 Coffee**
- 11.40 The value of long term ecological studies: A tropical perspective**  
Professor Stephen Hubbell (Smithsonian Institute)
- 12.20 Aboveground-belowground feedbacks over time and space - Evidence from deer, islands and chronosequences**  
Professor David Wardle (Swedish University of Agricultural Sciences)
- 13.00 Lunch**
- 14.00 Tours of Park Grass**
- 19.30 Celebratory Banquet – After Dinner Speaker: Professor Lord May of Oxford FRS**

### SESSION 3 – Wednesday 24<sup>th</sup> May – Chair: Lord Haskins

- 9.15 Long-term study of Darwin's finch populations**  
Professor Peter Grant FRS (Princeton University)
- 9.55 Demography, dynamics and micro-evolutionary change in large mammals**  
Dr Tim Coulson (Imperial College)
- 10.35 Cycles of marine vertebrates in the Barent Sea ecosystem**  
Professor Karl Ugland (University of Oslo)
- 11.15 Coffee**
- 11.40 The Glanville fritillary butterfly and metapopulation biology**  
Professor Ilkka Hanski (University of Helsinki)
- 12.20 Quantitative food webs and indirect interactions: a ten-year study of an aphid-parasitoid community**  
Professor Charles Godfray FRS (Imperial College)
- 13.00 Concluding remarks**  
Dr Ian Denholm (Rothamsted Research)
- 13.05 Lunch and depart**