



Butterfly Conservation
8th International Symposium
Thursday 5 to Sunday 8 April 2018
Southampton University

FULL PROGRAMME: Thursday 5 April 2018

15.00	Onwards: Registration for Accommodation in University Halls
17.00	Until 19.00: Symposium Registration – Garden Court Restaurant (Staff Social Centre, Highfield Campus, Building 38/40)
17.00	Until Midnight: Bar Open – Hartley Suite (Staff Social Centre, Highfield Campus, Building 38/40)
19.30	Dinner - Garden Court Restaurant (Staff Social Centre, Highfield Campus, Building 38/40)



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	LECTURE THEATRE A	LECTURE THEATRE B
07.30	Until 08.30: Breakfast - Garden Court Restaurant (Staff Social Centre, Highfield Campus, Building 38/40)	
08.00	SYMPOSIUM REGISTRATION Physics Foyer (Physics & Astronomy, Highfield Campus, Building 46)	
09.00	WELCOME Julie Williams	See Lecture theatre A
09.10	<i>Keynote lecture</i> BUTTERFLIES AND CLIMATE CHANGE – REVELATIONS FROM 50 YEARS OF OBSERVATION RECORDS Jane Hill	
	CLIMATE CHANGE 1	SPECIES STATUS & ECOLOGY 1 – MACULINEA (PHENGARIS)
09.40	PUTTING THE HEAT ON INSECT REPRODUCTION: UNDERSTANDING HOW HEATWAVES IMPACT INSECT REPRODUCTION Kris Sales	CONSERVATION OF MACULINEA (PHENGARIS) BUTTERFLIES IN EUROPE Irma Wynhoff
10.00	CITIZEN SCIENCE DATA ILLUMINATE THE COMMUNITY-LEVEL RESPONSES OF BUTTERFLIES TO WARMING WINTER TEMPERATURES AND THE SPREAD OF AN INVASIVE BEETLE IN CENTRAL FLORIDA, USA Jaret Daniels	THE DOWNFALL OF LARGE BLUES IN SLOVENIA, REASONS AND LESSONS LEARNED Rudi Verovnik
10.20	WHAT DETERMINES VULNERABILITY TO CLIMATE CHANGE? A CASE STUDY ON COPPER BUTTERFLIES Klaus Fischer	WHAT KEEPS ‘LIVING DEAD’ ALIVE: DEMOGRAPHY OF A SMALL AND ISOLATED POPULATION OF MACULINEA (PHENGARIS) ALCON Piotr Nowicki
10.40	Coffee – Physics Foyer (Physics & Astronomy, Highfield Campus, Building 46)	
	CLIMATE CHANGE AND ADAPTATION	SPECIES STATUS & ECOLOGY 2
11.10	CHANGES TO THE CLIMATIC ASSOCIATIONS OF BUTTERFLY COMMUNITIES OVER A MOUNTAIN ELEVATION GRADIENT BETWEEN 2004/05 AND 2017 Robert Wilson	CAUSES OF DECLINE AND CONSERVATION REQUIREMENTS OF THE SMALL HEATH BUTTERFLY COENONYMPHA PAMPHILUS Tom Brereton



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11.30	<p>CLIMATE IMPACTS ON TROPHIC PHENOLOGICAL MATCHING IN THE BROWN ARGUS BUTTERFLY, <i>ARICIA AGESTIS</i> James Stewart</p>	<p>FACTORS INFLUENCING POPULATION CHANGE OF THE LULWORTH SKIPPER <i>THYMELICUS ACTEON</i> (LEPIDOPTERA: HESPERIIDAE) AT ITS NORTHERN RANGE EDGE Rachel Jones</p>
11.50	<p>USING SPECIES DISTRIBUTION MODELLING TO DETERMINE POSSIBLE SOURCE REGIONS FOR THE REINTRODUCTION OF THE CHEQUERED SKIPPER IN ENGLAND Dirk Maes</p>	<p>IDENTIFYING THE OPTIMAL HOST PLANT FEATURES TO PRESERVE AN ENDANGERED INSULAR POPULATION OF <i>ZERYNTHIA CASSANDRA</i> Ghisolfi, G, presented by Leonardo Dapporto</p>
12.10	<p>HABITAT REQUIREMENTS OF THE BLACK-VEINED WHITE <i>ARPORIA CRATEAGI</i> Fabrizia Ratto</p>	<p>COMPARATIVE SPATIAL ECOLOGY AND HABITAT USE BY <i>BOLORIA EUPHROSYNE</i> AND <i>B. SELENE</i> ON MORECAMBE BAY LIMESTONES: IMPLICATIONS FOR HABITAT MANAGEMENT Andrew Wilby</p>
12.30	<p>CLIMATE CHANGE REFUGIA FOR THE BUTTERFLIES OF NORTHERN BRITAIN Andrew Suggitt</p>	<p>CHANGES IN THE QUALITY OF BRACKEN <i>PTERIDIUM AQUILINUM</i> HABITAT MAY BE DRIVING THE CONTINUING DECLINE OF BRITAIN'S MOST THREATENED BUTTERFLY: THE HIGH BROWN FRITILLARY <i>ARGYNNIS ADIPPE</i> (LEPIDOPTERA: NYMPHALIDAE) Sam Ellis</p>
12.50	Lunch - Garden Court Restaurant (Staff Social Centre, Highfield Campus, Building 38/40)	
14.00	<p><i>Keynote lecture</i> CHANGING THE CONSERVATION SPOTLIGHT FROM A NARROW FOCUS TO A BROAD BEAM: AN INTEGRATED LANDSCAPE APPROACH TO CONSERVING COMMON BUTTERFLIES Scott Black</p>	<p><i>See Lecture theatre A</i></p>
	LANDSCAPE SCALE CONSERVATION 1	GENETICS 1
14.30	<p>EFFORTS TO RE-INTRODUCE THE GLOBALLY ENDANGERED <i>MACULINEA ARION</i> TO ONE OF ITS FORMER STRONGHOLDS, THE GLOUCESTERSHIRE COTSWOLDS Sarah Meredith</p>	<p>PATTERN AND PROCESS -BASED APPROACHES TO MEASURING LANDSCAPE CONNECTIVITY: LESSONS FROM THE CRANBERRY FRITILLARY IN BELGIUM Camille Turlure</p>



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14.50	BUTTERFLIES IN FOREST LANDSCAPE: ARE COLONISERS SPECIAL? Mari-Liis Viljur	RECONSTRUCTING THE GENETIC AND PENOTYPIC HISTORY OF THE ALCON BLUE BUTTERFLY IN SCANDINAVIA OVER THE LAST HALF CENTURY David Richard Nash
15.10	MARK-RELEASE-RECAPTURE STUDY ON AUTUMN MOTH SPECIES Bálint Horváth	BUTTERFLY GENETICS MONITORING SCHEME: 2020 PILOT STUDY Matthew Greenwell
15.30	Tea - Physics Foyer (Physics & Astronomy, Highfield Campus, Building 46)	
	GREEN INFRASTRUCTURE	GENETICS AND CHEMICAL ECOLOGY
16.00	COST-EFFECTIVE HABITAT CREATION FOR BUTTERFLIES AND MOTHS WITHIN THE BUILT ENVIRONMENT: DEMONSTRATING THE NATIONAL POTENTIAL FROM EXAMPLES IN DORSET Phil Sterling	THE BUTTERFLIES OF THE CANARY ISLANDS AND MADEIRA – ASPECTS OF COLONIZATION, DIFFERENTIATION, ECOLOGY, AND CONSERVATION Martin Wiemers
16.20	PUBLIC EDUCATION PROJECTS; THE PROBLEMS AND SUCCESSES OF COMMUNITY BUTTERFLY GARDENS IN THE UK AND AROUND THE WORLD Jan Miller	THE POST-REINTRODUCTION POPULATION GENETICS OF THE MARSH FRITILLARY BUTTERFLY IN CUMBRIA, UK Michelle Davis
16.40	INFRASTRUCTURE – BUTTERFLY CONSERVATION FROM THE PERSPECTIVE OF INFRASTRUCTURE Albert Vliegenthart	THE DISTINCT PROPERTIES OF NATURAL AND GM CRY INSECTICIDAL PROTEINS John Latham
17.00	BUTTERFLIES IN GREEN STRUCTURES IN MALMÖ, SWEDEN – OR RATHER THE LACK OF THEM Christine Haaland	IS EUPHYDRYAS ITALICA A NEW SPECIES FOR ITALY? Luca Pietro Casacci
17.20	<i>Keynote lecture</i> 50 YEARS OF GROUND-BREAKING SCIENCE IN BUTTERFLY CONSERVATION Martin Warren	<i>See Lecture theatre A</i>
18.00	POSTER SESSION 1 Garden Court Restaurant (Highfield Campus, Building 38/40)	
19.30	Dinner - Garden Court Restaurant (Staff Social Centre, Highfield Campus, Building 38/40)	



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	LECTURE THEATRE A	LECTURE THEATRE B
07.30	Until 08.30: Breakfast - Garden Court Restaurant (Staff Social Centre, Highfield Campus, Building 38/40)	
08.30	SYMPOSIUM REGISTRATION Physics Foyer (Physics & Astronomy, Highfield Campus, Building 46)	
09.00	<i>Keynote lecture</i> 50 YEARS OF MOTH RECORDING AND CONSERVATION Richard Fox	<i>See Lecture theatre A</i>
	RECORDING & MONITORING 1	SPECIES CONSERVATION 1
09.30	MONITORING THE STATUS AND TRENDS OF THE WORLD'S BUTTERFLIES Monika Bohm	THE HEATH FRITILLARY – ECOLOGY AND CONSERVATION OF AN EARLY SUCCESSIONAL RESTRICTED SPECIES AT A LANDSCAPE-SCALE Caroline Bulman
09.50	TEN YEARS OF BUTTERFLY MONITORING AND CONSERVATION AT SIERRA NEVADA NATURAL PROTECTED AREA (SE SPAIN) José Miguel Barea Azcón	SAVING THE LAST POPULATION OF EUPHYDRYAS MATURNA FROM EDGE OF EXTINCTION IN THE CZECH REPUBLIC Antonin Krasa
10.10	OPTIMISING TRAIT AND SOURCE SELECTION TO EXPLAIN OCCURRENCE AND ABUNDANCE CHANGES: A CASE STUDY USING BRITISH BUTTERFLIES Joe Middleton Welling	HOW TO CREATE A PERMANENT CONSERVATION FRAMEWORK FOR BUTTERFLIES: SUCCESSES AND CHALLENGES OF OVER 10 YEARS OF BUTTERFLY CONSERVATION IN JAPAN Yasuhiro Nakumara
10.30	Coffee – Physics Foyer (Physics & Astronomy, Highfield Campus, Building 46)	
	RECORDING & MONITORING 2	SPECIES CONSERVATION 2
11.00	PRODUCING TRENDS AND INDICATORS FOR MOTHS IN SCOTLAND Emily Dennis	RECENT DEVELOPMENTS IN THE CONSERVATION OF THE NEW FOREST BURNET (<i>ZYGAENA VICIAE</i>) IN SCOTLAND Tom Prescott
11.20	IDENTIFICATION AND IMPLEMENTATION OF ATTRACTANT PHEROMONES FOR THE MONITORING OF BARRED TOOTH STRIPED MOTH (<i>TRICHOPTERYX POLYCOMMATA</i>). Joseph Burman	OPPORTUNITIES FOR SMALL-SCALE BUTTERFLY CONSERVATION BY UNEXPECTED HELP Gerdien Bos
11.40	A NEW INDICATOR FOR BUTTERFLY POPULATION NUMBERS Martin Poot	CONSERVATION ACTION FOR THE SWALLOWTAIL FAMILY, PAPILIONIDAE Mark Collins



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12.00	FUNCTIONAL DATA ANALYSIS OF MULTI-SPECIES ABUNDANCE AND OCCUPANCY DATA SETS Byron Morgan	COASTAL EGG-LAYING LOCATIONS FOR NORTHERN BROWN ARGUS IN SW SCOTLAND AND THE AMBIGUOUS ROLE OF GORSE Jim Asher
12.20	A NATIONAL INDICATOR OF FUNCTIONAL CONNECTIVITY FOR UK BUTTERFLIES Lisbeth Morrison	RESTORING AND STRENGTHENING POPULATIONS OF THE WOOD WHITE BUTTERFLY LEPTIDEA SINAPIS (LINNAEUS, 1758) WITHIN WORCESTERSHIRE AND SHROPSHIRE, UK David Green
12.40	Lunch - Garden Court Restaurant (Staff Social Centre, Highfield Campus, Building 38/40)	
13.50	<i>Keynote lecture</i> EUROPEAN BUTTERFLY DISTRIBUTION TRENDS Chris van Swaay	<i>See Lecture theatre A</i>
	RECORDING & MONITORING 3	LANDSCAPE SCALE CONSERVATION 1
14.20	HOW MANY BUTTERFLY SPECIES ARE THERE IN THE WESTERN PALAEARCTIC? AN EVOLVING HISTORICAL PERSPECTIVE Martin Davies	BUTTERFLY DIVERSITY ACROSS DIFFERENT RENOSTERVELD CONDITIONS IN THE AGRICULTURAL MOSAIC OF THE SWARTLAND, WESTERN CAPE, SOUTH AFRICA Emmeline Topp
14.40	TRENDS OF LARGER MOTHS IN THE NETHERLANDS Jurrien van Deijk	USING FIELD-BASED SURVEY DATA TO PRODUCE AN INTERACTIVE GIS TOOL FOR LANDSCAPE-SCALE CONSERVATION MANAGEMENT: MARSH FRITILLARY EUPHYDRYAS AURINIA HABITAT WITHIN THE PEWSEY DOWNS LANDSCAPE, WILTSHIRE, UK Susan Clarke
15.00	DESIGNING A MONITORING PROGRAM FOR LYCAENA HELLE, A THREATENED AND DECLINING BUTTERFLY IN SOUTHERN BELGIUM Philippe Goffart	THE REASONS FOR THE DECLINE OF COLIAS PALAENO IN BAVARIA; GERMANY AND ITS IMPLICATIONS Matthias Dolek
15.20	THE GREAT ORME'S HEAD GRAYLING BUTTERFLY HIPPARCHIA SEMELE (LINNAEUS, 1758) (LEPIDOPTERA: SATYRINAE): A UNIQUE POPULATION? Ian Middlebrook	DISPERSAL IN THE METAPOPOPULATION OF THE CRITICALLY ENDANGERED DANUBE CLOUDED YELLOW BUTTERFLY COLIAS MYRMIDONE: IMPLICATIONS FOR CONSERVATION Marcin Sielezniew
15.40	Tea - Physics Foyer (Physics & Astronomy, Highfield Campus, Building 46)	



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	AGRI-ENVIRONMENT/POLICY	ECOLOGY AND EVOLUTION 1
16.10	COULD FARMERS HELP RESTORE THE ABUNDANCE OF BUTTERFLIES AND (OTHER) POLLINATORS? Sue Collins	RANGE DYNAMICS AND SENSORY ECOLOGY OF SPECKLED WOODS IN CHANGING ENVIRONMENTS: THE ECOTYPE MATTERS Hans Van Dyck
16.30	RESTORING MARSH FRITILLARY EUPHYDRYAS AURINIA METAPOPOPULATIONS ON DARTMOOR: LESSONS FROM TWELVE YEARS OF LANDSCAPE SCALE MANAGEMENT Jenny Plackett	HISTORICAL SIZE CHANGE IN TWO BRITISH BUTTERFLY SPECIES: A COMPARISON OF A UNIVOLTINE AND A BIVOLTINE SPECIES Rebecca Wilson-Brodie
16.50	FARMING AND BIODIVERSITY: RECOMMENDATIONS TOWARDS A BUTTERFLY FRIENDLY OLIVE PRODUCTION Evrin Karaçetin	URBAN MACRO-MOTHS DISPLAY INCREASED BODY SIZE AT BOTH COMMUNITY AND INTRASPECIFIC LEVEL Thomas Merckx
17.10	ASSESSING THE USDA STATE ACRES FOR WILDLIFE ENHANCEMENT (SAFE) PROGRAM FOR THE ENDANGERED KARNER BLUE BUTTERFLY Paula Kleintjes Neff	CAUSES AND CONSEQUENCES OF COLOUR POLYMORPHISM IN THE HIGH BROWN FRITILLARY ARGYNNIS ADIPPE Daniela Polic
17.30	MEASURING SUCCESS: USING BUTTERFLY CONSERVATION'S UNIQUE SITE ADVICE RECORDING DATABASE TO UNDERSTAND OUR IMPACT Katie Cruickshanks	DISTRIBUTION AND ECOLOGICAL REQUIREMENTS OF THE DANUBE CLOUDED YELLOW (COLIAS MYRMIDONE) IN THREE NATURA 2000 SITES IN ROMANIA Agnes Kastal
18.15	POSTER SESSION 2 & WINE RECEPTION Butterfly Conservation's European Butterflies Group (EBG) invites all symposium attendees to join them for a glass of wine in the Garden Court Restaurant at 18.00 before the Gala Dinner 18.30 Welcome by Julie Williams and EBG representative Mike Prentice	
19.30	Gala Dinner - Garden Court Restaurant (Staff Social Centre, Highfield Campus, Building 38)	





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09.00	<i>Keynote lecture</i> TROPICAL DIVERSITY OF MOTHS AND BUTTERFLIES: ECOLOGICAL AND PHYLOGENETIC PROCESSES SHAPING RAINFOREST COMMUNITIES, AND THEIR SURVIVAL IN THE THIRD MILLENNIUM Vojtech Novotny	
	TROPICAL/COMMUNITY ECOLOGY	
09.30	FIRE ALTERS THE STRUCTURE AND SEASONAL DYNAMICS OF MEDITERRANEAN NOCTURNAL POLLINATION NETWORKS Callum Macgregor	
09.50	SPECIALISATION AND GENERALIZATION OF PIERID BUTTERFLIES IN A SEMIARID ENVIRONMENT: DO THEY HAVE A CHOICE? Adela Gonzáles Megias	
10.10	TROPHIC REWILDING UNDER GLOBAL CHANGE: RISKS AND OPPORTUNITIES FOR BUTTERFLY COMMUNITIES Michiel Wallis De Vries	
10.30	Coffee - Physics Foyer (Physics & Astronomy, Highfield Campus, Building 46)	
	FINAL PLENARY SESSION	
11.00	THE IMPACT OF LANDSCAPE SCALE CONSERVATION EFFORTS ON DUKE OF BURGUNDY IN ENGLAND Dan Hoare	
11.20	QUANTIFYING PATTERNS IN BUTTERFLY RECORDING AND ITS IMPLICATIONS FOR ASSESSING DISTRIBUTION TRENDS David Roy	
11.40	THE IMPACT OF ARTIFICIAL ILLUMINATION ON MOTHS Roy van Grunsven	
12.00	A TWENTY PERCENT INCREASE OVER 15 YEARS IN TOTAL BUTTERFLY INDIVIDUALS IN SWISS LANDSCAPES Matthias Plattner	
12.20	PHENOLOGY AND HOSTPLANT SHIFTS ENHANCE FITNESS OF AN ENDANGERED MACULINEA BUTTERFLY UNDER DIFFERENT UK CLIMATES Jeremy Thomas	
12.40	CLOSING ADDRESS Nigel Bourn	
12.50	Lunch - Garden Court Restaurant (Staff Social Centre, Highfield Campus, Building 38/40)	



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13.30

MAGDALEN HILL DOWN FIELD VISIT

Since the last Symposium visit in 2014 there have been a lot of significant developments at Magdalen Hill Down including the management of various grassland areas, but also the roadside verge Striped Lychnis project. This is not a repeat visit but an exploration of different issues around the Butterfly Conservation reserve and its role in the landscape.

13.30 Depart (by coach) from University of Southampton (Highfield Campus bus terminal)

14.00 Arrive at Holiday inn, Telegraph Way, Morn Hill, Winchester SO21 1HZ adjacent to Magdalen Hill Down.

14.05 Introductory talk: Magdalen Hill Down & Landscape Conservation by Andy Barker

14.30 MHD/Morn Hill site visit (split into groups - c.15 per group)

16.00 Re-group at Holiday Inn after site visit (comfort break before departure)

16.15 Departure from aforementioned location for return journey to Southampton University, going via Southampton Airport (Parkway) for those returning by rail/air.

16.45 Arrive Southampton Airport (Parkway).

17.00 Arrive University of Southampton (Highfield Campus bus terminal)

Note: Although the site is a free-draining chalk grassland site, participants are asked to bring appropriate footwear and outdoor clothing to suit weather conditions on the day. By splitting into sub-groups it will allow us to vary the route walked across the site to suit all levels of fitness and mobility. The top of the site is flat, but the south-facing unimproved calcareous grassland slopes are steep.