

Butterfly recording in Ukraine: 2011-2014

Sergey Popov

Research and Consultancy
Bukovcevo, 87
Transcarpathia,
Ukraine

mobil phone 1: +380665080171

mobil phone 2: +380972928840

Email addresses: serhiypopoff@gmail.com

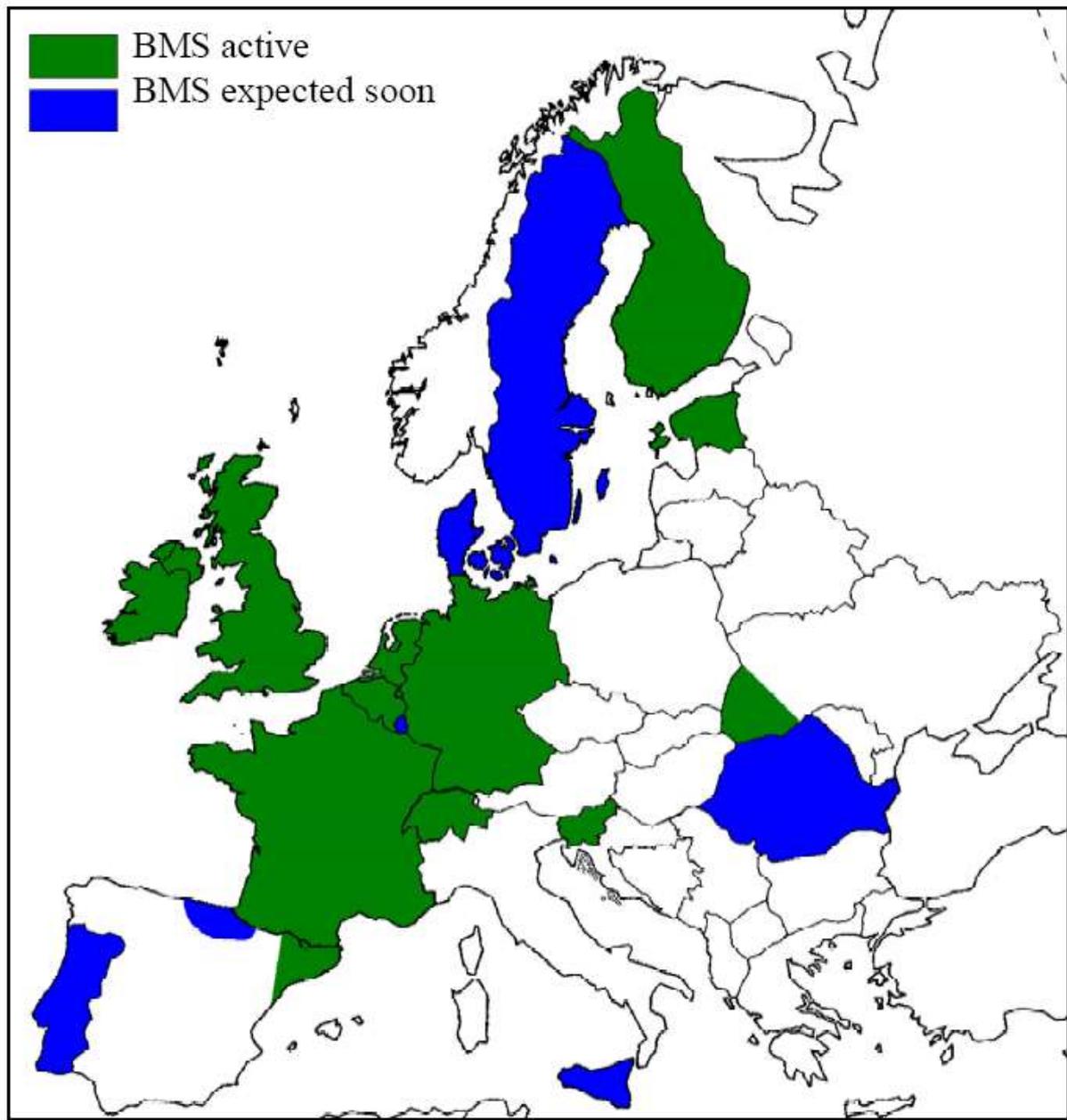
sergeypopoff@yahoo.com

internet:<https://sites.google.com/site/alexanorukrainebms/home>



Way to European cedar, state botanical reserve, Transcarpathia, Ukraine 2002

Introduction



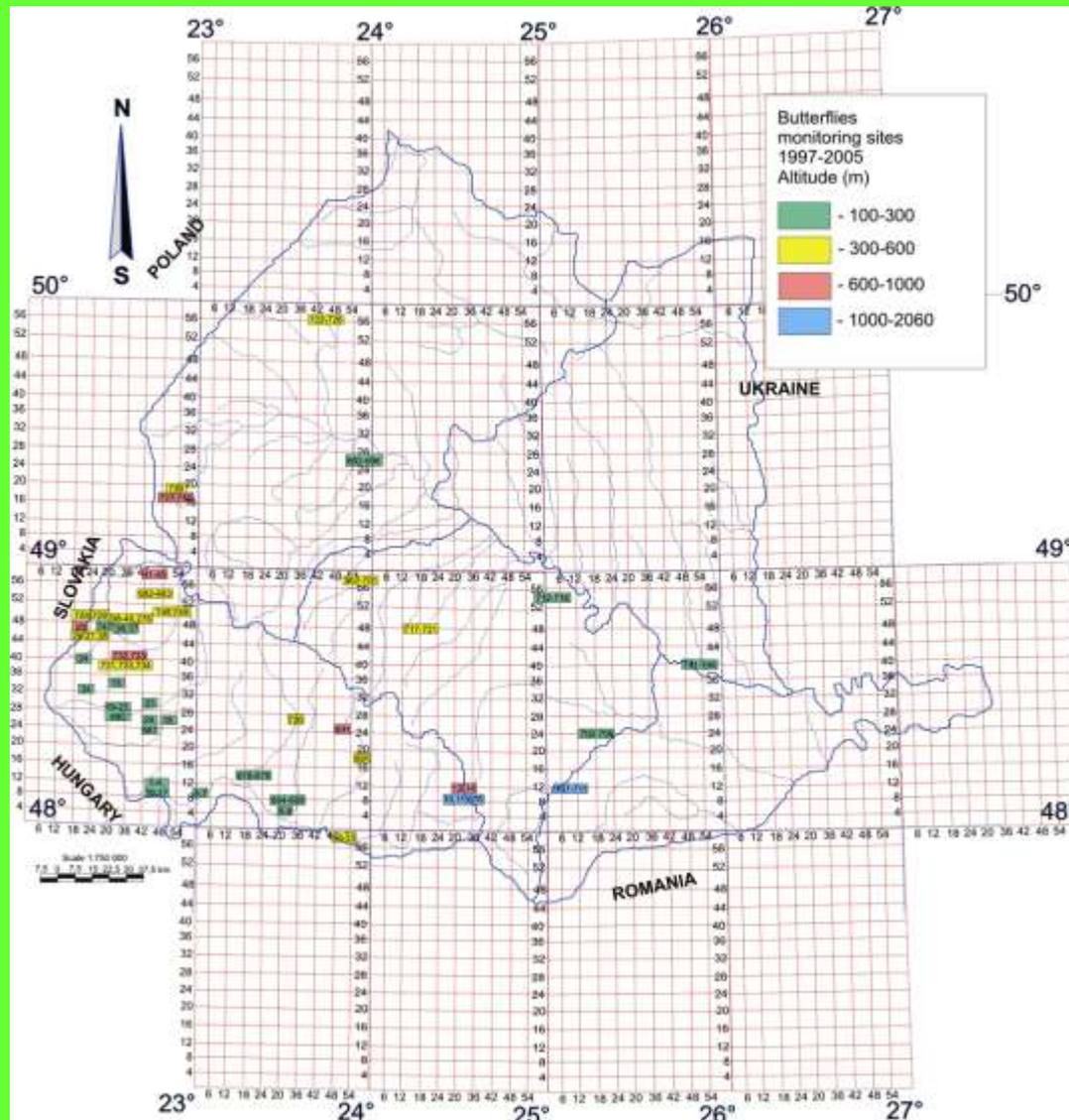
BMS Map, Europe, year 2008

Reference:

Butterfly Conservation Europe: Report on activities 2008, p.2 Report compiled by Dr Martin Warren 12 January 2008

Introduction

Butterfly Monitoring Scheme in the West Ukraine



Area represented (km²) - 70000

Map with location of sites in SW Ukraine where Butterfly Monitoring Scheme recording happens annually or at least once every 5 years. Area represented – 70000 km²

Source: [Popov, 2008](#). Butterflies of the Transcarpathian Floodplain Ecosystem : Monitoring, Ecology and Conservation. – Uzhhorod: Art Line, 2008.–p. 18

TRANSECTS AND RECORDS

163528 (original records database for **1973-2013**) + separate **6474** records (references, collections since **1858**)

181 transects in BMS altogether started in 1997-2014 (1997 is first year of scheme - **44** transects divided on sections)

In particularly

- **2011** – 67, 16744

- **2012** – 60, 4402

- **2013** - 80 transects, 11182 records done

GRASSLAND INDICATORS

Widespread species:

- *Ochlodes faunus*,
- *Anthocharis cardamines*,
- *Lycaena phlaeas*,
- *Polyommatus icarus*,
- *Coenonympha pamphilus*,
- *Maniola jurtina*

Specialists:

- *Erynnis tages*,
- *Cupido minimus*,
- *Maculinea arion*,
- *Polyommatus semiargus*,
- *Euphydryas aurinia*

Grassland butterflies habitat management

- Carpathian wet tall grassland communities



- moving fields



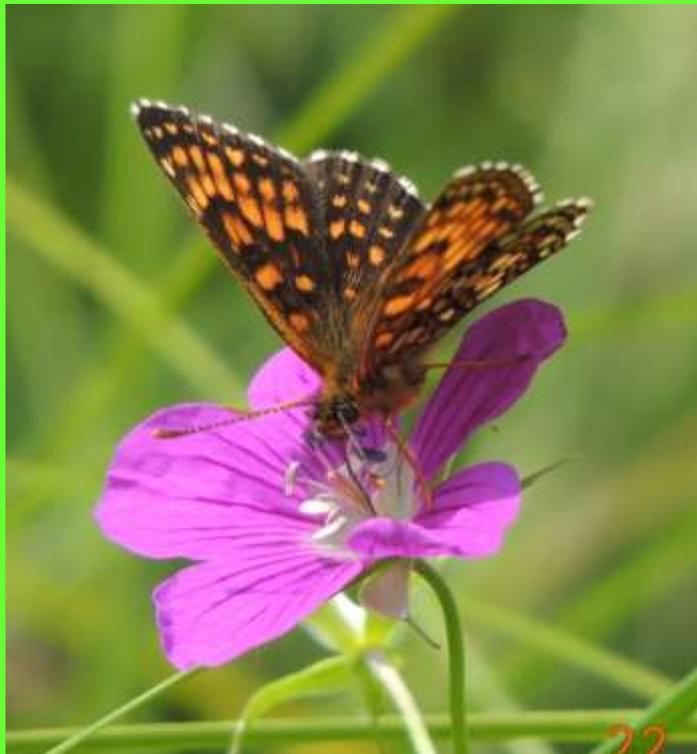
- scrub cleaning



Results

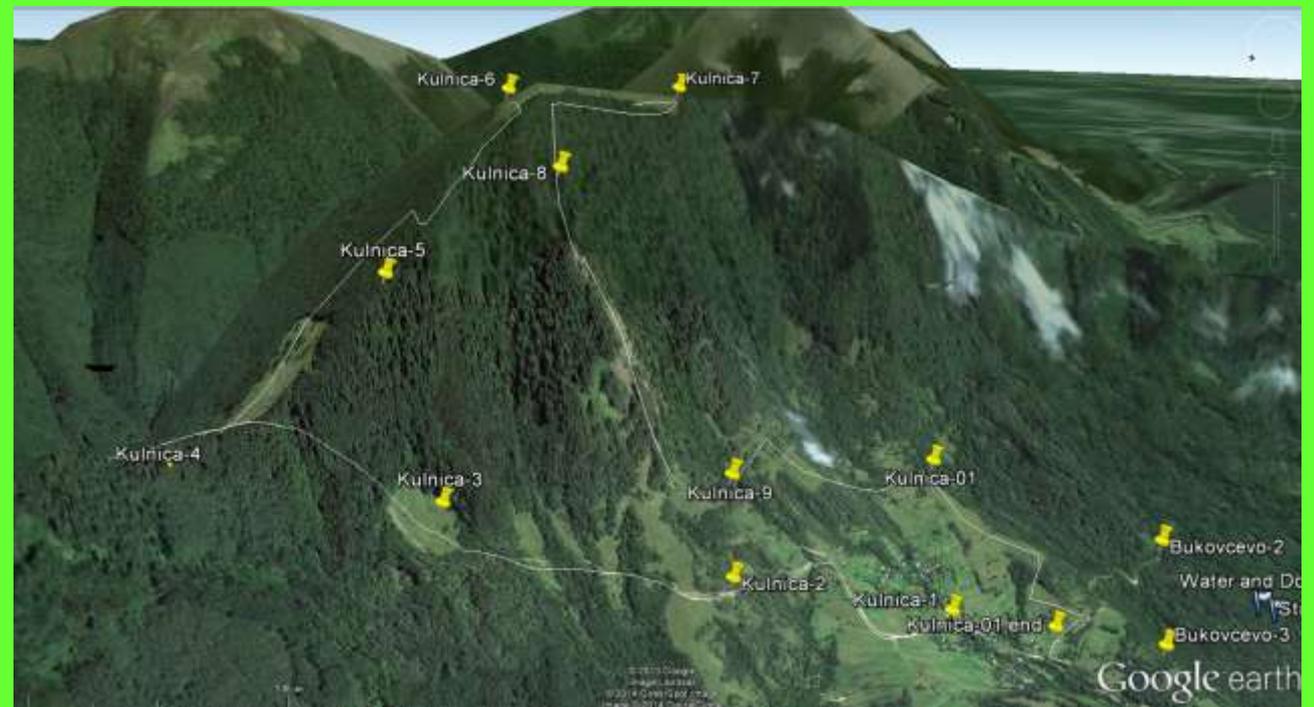
- New species for Transcarpathian Ukraine: *Melitaea diamina*

Butterfly Monitoring Scheme in the West Ukraine



Results

- New localities for important and local species *Plebicula dorylas*, *Eumedonia eumedon*, *Maculinea arion*, *M. alcon* and *Vaccinium optilete*



Orihovica-1: the oldest transect in the BMS

STATISTICS:

First walk – 1974
 Last walk - 2014
 Recording years - 40
 Sections – 20 (since 1997)
 1 km long
 Visits – 213
 Butterflies – 53452
 Species and ssp.- 92
 Number of records - 18419



Butterfly Census Site Map

It created by Google Map in 2007

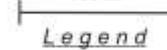
Route map

Site: Orihovica-1

N48.39.148 E22.23.040

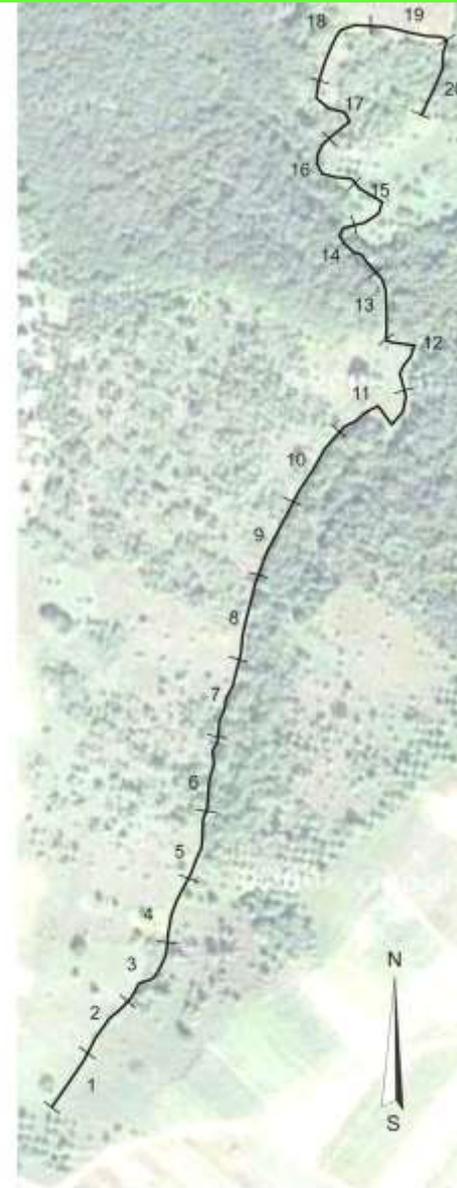
220 m at S1

100 m



Legend

-  - foliage forest
-  - garden
-  - scrub
-  - grassland
-  - route, sections
-  - paths
-  - water spring
-  - wetland & bog
-  - rest place
-  - rubbish heap
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Monitoring camp Bukovcevo

BMS in the West Ukraine Transects results Bukovcevo monitoring camp				
Last updated 05 March 2014				
	Recording weeks	17	25	24
Genus	Species	2011	2012	2013
<i>Aphantopus</i>	<i>hyperantus</i>	1236	355	566
<i>Pieris</i>	<i>napi</i>	923	400	580
<i>Maniola</i>	<i>jurtina</i>	846	678	848
<i>Gonepteryx</i>	<i>rhamni</i>	640	137	408
<i>Mellicta</i>	<i>athalia</i>	495	85	105
<i>Fabriciana</i>	<i>adippe</i>	421	222	448
<i>Inachis</i>	<i>io</i>	400	126	140
<i>Leptidea</i>	<i>sinapis</i>	373	167	179
<i>Araschnia</i>	<i>levana</i>	364	164	335
<i>Thymelicus</i>	<i>sylvestris</i>	354	38	274
<i>Plebejus</i>	<i>argus</i>	276	164	323
<i>Pieris</i>	<i>rapae</i>	249	111	429
<i>Mesoacidalia</i>	<i>aglaja</i>	236	98	110
<i>Pararge</i>	<i>aegeria</i>	220	81	160
<i>Polyommatus</i>	<i>icarus</i>	188	155	158



Monitoring camp Makovica-Voevodino



Monitoring camp Vishka





Thank you