

# PROGRAMME OF THE 16<sup>th</sup> EUROPEAN CARABIDOLOGISTS MEETING

Hotel Krystal, Prague, Czech Republic, 22.-27.9.2013

## Sunday, 22<sup>nd</sup> September

17:00 - 21:00 Registration desk open in the hotel Krystal

## Monday, 23<sup>rd</sup> September

8:00 - 10:00 Registration desk open in the hotel Krystal

10:00 - 10:30 Opening ceremony

10:30 - 11:15 **Invited lecture:** Jonathan Lundgren - Complex interactions among seeds and the carabids that eat them

11:15 - 11:30 Coffee break

11:30 - 12:50 **Session 1** - POPULATION GENETICS AND BIOGEOGRAPHY (chaired by Claudia Drees)

11:30 - 11:50 Spatial genetic structure of a dominant carabid beetle, *Poecilus cupreus*, in an agricultural landscape - Gauffre B., Badenhauer I., Litrico I., Ribout C., Marrec R.

11:50 - 12:10 Excessive gene flow despite differences in male genitalia: A contribution to the lock and key hypothesis in Carabidae - Boutaud E., Drees C., Eisenacher D., Matern A., Assmann T.

12:10 - 12:30 Did sea level changes shape phylogeography of *Calomera littoralis* in Mediterranean? - Jaskuła R., Rewicz T., Grabowski M.

12:30 - 12:50 Multiple glacial refugia for two European *Carabus* species of cool montane habitats - Drees C., Homburg K., Brandt P., Husemann M., Assmann T.

12:50 - 14:00 Lunch

14:00 - 15:40 **Session 2** - DIETARY STUDIES ON CARABIDS (chaired by Jonathan Lundgren)

14:00 - 14:20 What do carabids have for dinner? – revealing the menu list using molecular analyses - Šerić Jelaska L., Vaughan I., Brown D., Symondson W.O.C.

14:20 - 14:40 Difference in trophic position and resource use between con-specific carabids: Isotopic study of seven common ground beetles on lake islands - Zalewski M., Dudek D., Godeau J.F., Kujawa K., Sienkiewicz P., Tiunov A., Ulrich W.

14:40 - 15:00 Influence of diet composition on the dynamics of stable isotopes in different tissues of ground beetles - Makarov K.V., Matalin A.V., Goncharov A.A., Tiunov A.V.

15:00 - 15:20 Seed predator carabids of the Italian fauna and evaluation for conservation of their life traits - Brandmayr P., Giglio A., Talarico F.

15:20 - 15:40 Predation of seeds and seedlings in *Atriplex sagittata*, a species with a distinctive seed polymorphism - Koprđová S., Martinková Z., Saska P., Honěk A.

15:40 - 15:45 Information about the excursion to the Divoká Šárka NPR and welcome drink

16:45 Excursion to the Divoká Šárka Natural Protected Reserve (optional) and welcome drink

## Tuesday, 24<sup>th</sup> September

9:00 - 9:45 **Invited lecture:** John Holland - The spatial dynamics of carabid beetles from field to landscape and the implications for biocontrol of crop pests

9:45 - 10:00 Coffee break

10:00 - 11:40 **Session 3: AGROECOLOGY OF CARABID BEETLES** (chaired by John Holland)

10:00 - 10:20 Effect of land-use and tillage on the dynamics of a dominant carabid beetle *Poecilus cupreus* (L.) in Western France agricultural landscapes - Marrec R., Badenhausser I., Börger L., Gauffre B.

10:20 - 10:40 The spatial and temporal distribution of carabid beetles and weed seed predation in winter wheat: a comparison between conventional and conservation agricultural systems - Petit S., Trichard A., Ducourtieux C., Ricci B.

10:40 - 11:00 The effects of changing landscape and arable field management on the diversity of carabid beetles and their links with invertebrate crop pests - Brooks D.R., Bohan D.A., Chapman J.W., Firbank L.G., Kunin W.E.

11:00 - 11:20 Do differences in grazing pressure affect upland ground beetle (Coleoptera: Carabidae) assemblages? - Pozsgai G., Littlewood N.A., Pakeman R.J.

11:20 - 11:40 Effects of large grazers on ground-beetle communities in productive, man-made ecosystems - van Klink R., Vermeulen R., Smit C.

11:40 - 12:45 **Poster Session**

12:45 - 14:00 Lunch

14:00 - 16:00 **Session 4: CARABID ASSEMBLAGES IN FORESTS** (chaired by Emmanuelle Dauffy-Richard)

14:00 - 14:20 Do recover diversity and composition of indigenous ground-dwelling assemblages after fifty years of afforestation with native oak? - Tóthmérész B., Bogyó D., Mizser S., Nagy D., Magura T.

14:20 - 14:40 Carabid assemblages in pine stands disturbed by a hurricane in 2002: ten-years responses to hurricane impact (Piska Forest, Poland) - Skłodowski J.

14:40 - 15:00 Species composition and structure of carabid assemblages along the clear-cut originated succession gradient in pine forests - Aleksandrowicz O., Marczak D.

15:00 - 15:20 Changing climate associated with homogenization of forest assemblages of boreal ground beetles (Coleoptera: Carabidae) - Spence J.R., Bourassa S.

15:20 - 15:40 Restoration as a forest-management tool in Northern Europe: effects on carabid beetles - Koivula M., Toivanen T., Heikkilä T.

15:40 - 16:00 Ancient forest species: does the concept apply on carabids? An example in pine and oak forests in French lowlands - Dauffy-Richard E., Fleury J., Martin H., Bergès L., Dupouey, J.L.

16:00 - 16:30 presentation of the České středohoří Landscape Protected Area

16:30 - 16:35 Information about the excursion on Wednesday

## **Wednesday, 25<sup>th</sup> September**

Full day (ca. 8:30 - 18:00) excursion to the České Středohoří Landscape Protected Area and the town of Žatec, the capital of hop

## **Thursday, 26<sup>th</sup> September**

9:00 - 10:40 **Session 5: WHAT DRIVES THE VARIABILITY IN CARABID LIFE HISTORY TRAITS?** (chaired by Roberto Pizzolotto)

9:00 - 9:20 Functional diversity and life-history traits of carabid beetles in agricultural systems - Stockan J.A., Pakeman R.J., Baird J., Young M.R., Iason G.R.

- 9:20 - 9:40 Influence of the production system on life history traits of carabid beetles - Marie A., Plantegenest M.
- 9:40 - 10:00 The effect of abandonment of mountain meadows on assemblage structure and life traits of ground beetles (Coleoptera, Carabidae) - Skalski T., Armatys P., Kędzior R.
- 10:00 - 10:20 Responses of ground beetle assemblages to forest management in Japan – a study on beetle ecological traits - Shibuya S., Kikvidze Z., Toki W., Kanazawa Y., Suizu T., Yajima T., Fujimori T., Mansournia M., Abdelrahman S., Kubota K., Fukuda K.
- 10:20 - 10:40 Carabid species traits along an altitudinal gradient in the Dolomites (Italy) - Pizzolotto R., Albertini A., Gobbi M., Brandmayr P.
- 10:40 - 10:55 Coffee break
- 10:55 - 11:40 **Invited lecture:** Andrea Di Giulio - Morpho-functional and behavioral studies on the flanged bombardier beetles (Carabidae: Paussinae)
- 11:40 - 12:45 **Poster Session**
- 12:45 - 14:00 Lunch
- 14:00 - 16:00 **Session 6:** FASCINATING CARABIDS (chaired by Andrea Di Giulio)
- 14:00 - 14:20 The influence of *Humulus lupulus* on some physiological indicators of carabid beetle *Platynus assimilis* - Kivimägi I., Ploomi A., Jõgar K., Sibul I.
- 14:20 - 14:40 Integrative taxonomy in the subgenus *Mesocarabus* (Carabidae, Carabus) - Serrano J., Gómez-Zurita J., Andújar C.
- 14:40 - 15:00 The genus *Notiophilus* Dumeril, 1806 (Coleoptera: Carabidae) in fauna of Central Asia - Barševskis A.
- 15:00 - 15:20 Elytral surface structure in *Poecilus lepidus*: What about inheritance? - Mossakowski D., Paarmann W.
- 15:20 - 15:40 Effects of pitfall trap lid transparency and habitat structure on the catches of carabid beetles (Coleoptera: Carabidae) in tame pasture - Bell A.J., Phillips I.D., Floate K.D., Hoemsen B.M., Phillips C.E.
- 15:40 - 16:00 The explosive defensive system of paussine and brachinine bombardier beetles (Coleoptera Carabidae): comparative morphology and ultrastructure - Di Giulio A., Muzzi M., Romani R.
- 16:00 - 16:05 Information about the evening reception
- 19:00 - 22:00 Reception at the Valencia boat, with pleasure cruising on the Vltava river

## Friday, 27<sup>th</sup> September

- 9:00 - 10:20 **Session 7:** SPATIOTEMPORAL PATTERNS IN CARABID ASSEMBLAGES (chaired by Lucija Šerić Jelaska)
- 9:00 - 9:20 High concordance in the dispersal abilities of distant *Carabus hungaricus* populations in Central Europe - Elek Z., Bérces S., Drag L., Pokluda P., Čížek L.
- 9:20 - 9:40 Carabid beetle assemblages above and below the treeline in the Dolomites (Italy) after thirty years (1980 - 2009) - Pizzolotto R., Gobbi M., Brandmayr P.
- 9:40 - 10:00 Impact of climate change on suitable habitats for ground beetles in beech forests on karst - Jelaska S.D., Vujčić-Karlo S., Šerić Jelaska L.
- 10:00 - 10:20 Edge effects on carabid beetles (Coleoptera; Carabidae) across forest-meadow ecotones of Dinaric beech-fir forests - Brigić A., Starčević M., Vujčić-Karlo S., Hrašovec B.
- 10:20 - 10:35 Coffee break

10:35 - 12:15 **Session 8: ANTROPOGENIC EFFECTS ON CARABID FAUNA** (chaired by Axel Schwerk)

10:35 - 10:55 The habitat-specific effects of highway proximity on ground beetles: implications for biodiversity conservation - Knapp M., Saska P., Knappová J., Vonička P., Moravec P., Kůrka A., Anděl P.

10:55 - 11:15 The impact of the construction and renovation of the Skępe bypass on the carabid beetles fauna - Dymitryszyn I.

11:15 - 11:35 Quantifying predation pressure by using artificial caterpillars along an urbanisation gradient in Denmark - Ferrante M., Lo Cacciato A., Lövei G.L.

11:35 - 11:55 Carabid Assemblages of Semi-Natural Grassland Habitats in Helsinki - Venn S.J.

11:55 - 12:15 Changes in carabid beetle fauna (Coleoptera: Carabidae) along a successional gradient on post-industrial areas in Central Poland - Schwerk A.

12:15 - 13:00 Closing ceremony

13:00 - 14:00 Lunch

## **Saturday, 28<sup>th</sup> September – Sunday, 29<sup>th</sup> September**

post-meeting tour (optional)

Saturday – trip to the Czech Karst Landscape Protected Area, visit of Karlštejn castle and Koněprusy Cave

Sunday – trip to the Kokořínsko Landscape Protected Area