



Project no. 006463

EuMon

**EU-wide monitoring methods and systems of surveillance for species and habitats of Community interest**

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**D29: Publications in both popular and scientific media**

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Dissemination Level		
<b>PU</b>	Public	XX
<b>PP</b>	Restricted to other programme participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	

# Publications in both popular and scientific media

Deliverable 27 of Work package 6.2

Contributors: All EuMon Partners

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## 2 EuMon Publications

### 2.1 Publications in review Journals

- Altmoss M. & Henle K. (2007) Differences in characteristics of reserve network selection using population data versus habitat surrogates. *Biodiversity and Conservation*, 16, 113-135 (IF = 1.4)
- Aragon P., Clobert J. & Massot M. (2006) Individual dispersal status influences space use of conspecific residents in the common lizard, *Lacerta vivipara*. *Behavioral Ecology and Sociobiology*, 60, 430-438 (IF = 2.8)
- Archaux F., Henry P.-Y. & Balança G. (2008) High turnover and moderate fidelity of White Storks *Ciconia ciconia* at a European wintering site. *Ibis*, 150, 421-424 (IF = 1.2)
- Bauthian I., Gossmann F., Ferrand Y. & Julliard R. (2007) Quantifying the origin of woodcock wintering in France. *Journal of Wildlife Management*, 71, 701-705 (IF = 1.5)
- Bell S., Marzano M., Cent J., Kobierska H., Podjed D., Vandzinskaite D., Reinert H., Armaitiene A., Grodzińska-Jurczak, M. & Muršič R. (2008) What counts? Volunteers and their organisations in the recording and monitoring of biodiversity. *Biodiversity and Conservation*, DOI 10.1007/s10531-008-9357-9 (IF = 1.4)
- Bell, S. Marzano, M., Reinert R, Cent J., Kobierska H., Podjed D., Vandzinskaite D., Armaitiene A., Grodzińska-Jurczak M. & Muršič R. (In Review) Volunteers on the political anvil: Citizenship and volunteer biodiversity monitoring in three post-Communist countries. *Environment and Planning D*.
- Cent J., Kobierska H., Grodzińska-Jurczak M. & Bell. S. (2007) Who is responsible for Natura 2000 in Poland? – a potential role of NGOs in establishing the program. *International Journal of Environment and Sustainable Development*. 6 (4): 422-435
- Cent J., Kobierska H. & Grodzińska-Jurczak M. (2007) Rola organizacji pozarządowych (NGO) w realizacji programu NATURA 2000 w Polsce. *Człowiek i Środowisko* 32 (3-4): 37-56
- Chamaillé-Jammes S., Massot M., Aragon P. & Clobert J. (2006) Global warming induces only positive individual responses in mountain populations of

- common lizards *Lacerta vivipara*. *Global Change Biology*, 12, 392-402 (IF = 4.8)
- Chamaille-Jammes S., Fritz H., Valeix M., Murindagomo F. & Clobert J. (2008) Resource variability, aggregation and direct density dependence in an open context: the local regulation of an African elephant population. *Journal of Animal Ecology*, 77, 135-144 (IF = 3.8)
- Chiron F. & Julliard R. (2007) Responses of songbirds to magpie reduction in an urban habitat. *Journal of Wildlife Management*, 71, 2624-2631 (IF = 1.5)
- Chiron F., Lee A. & Julliard R. (2008) Effects of landscape urbanization on magpie occupancy dynamics in France. *Landscape Ecology*, 23, 527-538 (IF = 2.1)
- Clavel J., Robert A., Devictor V. & Julliard R. (in press) A transient model under the robust design: abundance estimation. *Journal of Wildlife Management* (IF = 1.5)
- Cote J. & Clobert J. (2007) Social information and emigration: lessons from immigrants. *Ecology Letters*, 10, 411-417 (IF = 8.2)
- Cote J., Boudsocq S. & Clobert J. (2008) Density, social information, and space use in the common lizard (*Lacerta vivipara*). *Behavioral Ecology*, 19, 163-168 (IF = 3.0)
- Cote J., Clobert J. & Fitze P.S. (2007) Mother - offspring competition promotes colonization success. *Proceedings of the National Academy of Sciences of the United States of America*, 104, 9703-9708 (IF = 9.6)
- Devictor V., Godet L., Julliard R., Couvet D. & Jiguet F. (2007) Can common species benefit from protected areas? *Biological Conservation*, 139, 29-36 (IF = 3.3)
- Devictor V., Julliard R. & Jiguet F. (2008) Distribution of specialist and generalist species along spatial gradients of habitat disturbance and fragmentation. *Oikos*, 117, 507-514 (IF = 3.1)
- Devictor V., Julliard R., Clavel J., Jiguet F., Lee A. & Couvet D. (2008) Functional biotic homogenization of bird communities in disturbed landscapes. *Global Ecology and Biogeography*, 17, 252-261 (IF = 4.4)
- Devictor V., Julliard R., Couvet C., Lee A. & Jiguet F. (2007) Functional homogenization effect of urbanization on bird communities. *Conservation Biology*, 21, 741-751 (IF = 3.8)

- Grosbois V., Gaillard J.M., Barbraud C., Lambrechts M., Clobert J., Moller A.P. & Lebreton J.D. (2006) Selecting the most relevant climate indices to identify and predict climate impacts on bird population. *Journal of Ornithology*, 147, 25-25 (IF = 1.0)
- Grosbois V., Henry P.-Y., Blondel J., Perret P., Lebreton J.-D., Thomas D.W. & Lambrechts M.M. (2006) Climate impacts on Mediterranean blue tit survival: an investigation across seasons and spatial scales. *Global Change Biology*, 12, 1-15 (IF = 4.8)
- Guillon J.-M., Julliard R. & Leturque H. (2006). Evolution of habitat-dependent sex allocation in plants: superficially similar, but intrinsically different from animals. *Journal of Evolutionary Biology*, 19, 500-512 (IF = 3.9)
- Henry P.-Y. & Aznar J.-C. (2006) Tool-use in Charadrii: active bait-fishing by a Herring Gull. *Waterbirds*, 29, 2, 233-234 (IF = 0.5)
- Henry P.-Y. & Jarne P. (2007) Marking hard-shelled gastropods: tag loss, impact on life-history traits, and perspectives in biology. *Invertebrate Biology*, 126, 2, 138-153 (IF = 0.9)
- Henry P.-Y., Lengyel S., Nowicki P., Julliard R., Clobert J., Čelik T., Gruber B., Schmeller D.S., Babij V. & Henle K. (2008) Integrating ongoing biodiversity monitoring: potential benefits and methods. *Biodiversity and Conservation*, DOI10.1007/s10531-008-9417-1 (IF = 1.4)
- Henry P.-Y., Vimond L., Lenormand T. & Jarne P. (2006) Is delayed selfing adjusted to chemical cues of density in the freshwater snail *Physa acuta*? *Oikos*, 112, 448-455 (IF = 3.1)
- Hovestadt T. & Nowicki P. (2008) Investigating movement within irregularly shaped patches: Analysis of MRR data using randomisation procedures. *Israel Journal of Ecology and Evolution*, 54, 137-154 (IF = 0.4)
- Hovestadt T. & Nowicki P. (in press) Process and measurement errors of population size: Their mutual effects on precision and bias of estimates for demographic parameters. *Biodiversity and Conservation* (IF = 1.4)
- Husté A., Clobert J. & Miaud C. (2006) The movements and breeding site fidelity of the natterjack toad (*Bufo calamita*) in an urban park near Paris (France) with management recommendations. *Amphibia-Reptilia*, 27, 561-568 (IF = 0.9)
- Jiguet F. & Julliard R. (2006) Inferences from common species communities for selecting conservation areas. *Biodiversity and Conservation*, 15, 799-815 (IF = 1.4)

- Jiguet F., Julliard R., Thomas C., Dehorter O., Newson S. & Couvet D. (2006) Thermal range predicts bird population resilience to extreme high temperatures. *Ecology Letters*, 9, 1321-1330 (IF = 8.2)
- Jiguet F., Gadot A.-S., Julliard R., Newson S.E. & Couvet D. (2007) Climate envelope, life history traits and the resilience of birds facing global change. *Global Change Biology*, 13, 1672-1684 (IF = 4.8)
- Julliard R., Bargain B., Dubos A. & Jiguet F. (2006) Identifying fall migration routes for the globally threatened Aquatic Warbler *Acrocephalus paludicola*. *Ibis*, 148, 735-743 (IF = 1.2)
- Julliard R., Clavel J., Devictor V., Jiguet F. & Couvet D. (2006) Spatial segregation of specialists and generalists in bird communities. *Ecology Letters*, 9, 1237-1244 (IF = 8.2)
- Kerbiriou C., Le Viol I., Jiguet F. & Julliard R. (2008) The impact of human frequentation on coastal vegetation in a Biosphere Reserve. *Journal of Environmental Management* (in press) (IF = 1.5)
- Kull T., Sammul M., Kull K., Lanno K., Tali K., Gruber B., Schmeller D.S. & Henle K. (2008) Necessity and reality of the monitoring network of European vascular plant diversity. *Biodiversity and conservation* (IF = 1.4)
- Kull T. & Hutchings M. (2006) A comparative analysis of decline in the distribution ranges of orchid species in Estonia and the United Kingdom. *Biological Conservation* 129, 31-39 (IF = 3.3)
- Lengyel S., Déri E., Varga Z., Horváth R., Tóthmérész B., Henry P.-Y., Kobler A., Kutnar L., Babij V., Seliškar A., Christia C., Papastergiadou E., Gruber B. & Henle K. (2008) Habitat monitoring in Europe: a description of current practices. *Biodiversity and Conservation*, DOI 10.1007/s10531-008-9395-3 (IF = 1.4)
- Lengyel S., Kobler A., Kutnar L., Framstad E., Henry P.-Y., Babij V., Gruber B., Schmeller D.S. & Henle K. (2008) A review and a framework for the integration of biodiversity monitoring at the habitat level. *Biodiversity and Conservation*, DOI 10.1007/s10531-008-9359-7 (IF = 1.4)
- Massot M., Clobert J. & Ferriere R. (2008) Climate warming, dispersal inhibition and extinction risk. *Global Change Biology*, 14, 461-469 (IF = 4.8)
- Nowicki P., Pepkowska A., Kudlek J., Skórka P., Witek M., Settele J. & Woyciechowski M. (2007) From metapopulation theory to conservation recommendations: lessons from spatial occurrence and abundance patterns of *Maculinea* butterflies. *Biological Conservation*, 140, 119-129 (IF = 3.3)

- Nowicki P., Settele J., Henry P.-Y. & Woyciechowski M. (2008) Butterfly monitoring methods: the ideal and the real world. *Israel Journal of Ecology and Evolution*, 54, 69-88 (IF = 0.4)
- Nowicki P., Tirelli T., Mussat Sartor R., Bona F. & Pessani D. (in press) Monitoring crayfish using a mark-recapture method: potentials, limitations, and recommendations. *Biodiversity and Conservation* (IF = 1.4)
- Nowicki P., Witek M., Skórka P., Settele J. & Woyciechowski M. (2005) Population ecology of endangered butterflies *Maculinea teleius* and *M. nausithous* and its conservation implications. *Population Ecology*, 47, 193-202 (IF = 1.3)
- Nowicki P., Richter A., Glinka U., Holzschuh A., Toelke U., Henle K., Woyciechowski M. & Settele J. (2005) Less input same output: simplified approach for population size assessment in Lepidoptera. *Population Ecology*, 47, 203-212 (IF = 1.3)
- Nowicki P., Pepkowska A., Kudlek J., Skórka P., Witek M., Settele J. & Woyciechowski M. (2007) From metapopulation theory to conservation recommendations: lessons from spatial occurrence and abundance patterns of *Maculinea* butterflies. *Biological Conservation*, 140, 119-129 (IF = 3,3)
- Parejo D., White J., Clobert J., Dreiss A. & Danchin E. (2007) Blue tits use fledgling quantity and quality as public information in breeding site choice. *Ecology*, 88, 2373-2382 (IF = 4.8)
- Péron G., Henry P.-Y., Provost P., Dehorter O. & Julliard R. (2007) Climate changes and post-nuptial migration strategy by two reedbed passerines. *Climate Research*, 35, 147-157 (IF = 1.3)
- Podjed, D. (in press.) 'Paradoxes of Volunteering.' ('Paradoksi volonterstva.') *Bulletin of Slovene Ethnological Society*.
- Podjed, D. & Muršič R. (2008) Dialectical Relations between Professionals and Volunteers in a Biodiversity Monitoring Organization. *Biodiversity & Conservation*, DOI10.1007/s10531-008-9443-z (IF = 1.4)
- Pradel R. & Henry P.-Y. (2007) Potential contributions of capture-recapture to the estimation of population growth rate in restoration projects. *Ecoscience*, 14, 432-439 (IF = 1.3)
- Rivalan P., Frederiksen M., Lois G. & Julliard R. (2007) Contrasting responses of migration strategies in two European thrushes to climate change. *Global Change Biology*, 13, 275-287 (IF = 4.8)

- Ronce O., Brachet S., Olivieri I., Gouyon P.H. & Clobert J. (2005) Plastic changes in seed dispersal along ecological succession: theoretical predictions from an evolutionary model. *Journal of Ecology*, 93, 431-440 (IF = 4.4)
- Sammul M., Kull T., Lanno K., Otsus M., Mägi M. & Kana S. (2008) Habitat preferences and distribution characteristics are indicative of species long-term persistence in the Estonian flora. *Biodiversity and Conservation*, DOI 10.1007/s10531-008-9393-5 (IF = 1.4)
- Schmeller D.S., Bauch B., Gruber B., Juškaitis R., Budrys E., Babij V., Lanno K., Sammul M., Varga Z. & Henle K. (in press): Determination of conservation priorities in regions with multiple political jurisdictions, *Biodiversity and Conservation* (IF = 1.4)
- Schmeller D.S. , Gruber B., Bauch B., Lanno K., Budrys E., Babij V., Juškaitis R., Sammul M., Varga Z. & Henle K. (2008): Determination of national conservation responsibilities for species conservation in regions with multiple political jurisdictions, *Biodiversity and Conservation*, DOI 10.1007/s10531-008-9439-8 (IF = 1.4)
- Schmeller D.S. & Henle K. (2008) Cultivation of genetically modified organisms: resource needs for monitoring adverse effects on biodiversity. *Biodiversity and Conservation*, DOI 10.1007/s10531-008-9404-6 (IF = 1.4)
- Schmeller D.S., Henry P.-Y., Julliard R., Clobert J., Gruber B., Dziöck F., Lengyel S., Nowicki P., Déri E., Budrys E., Kull T., Tali K., Bauch B., Settele J., van Swaay C., Kobler A., Babij V., Papastergiadou E. & Henle K. (in revision), Advantages of volunteer-based biodiversity monitoring in Europe. To be revised and resubmitted to *Conservation Biology* (IF= 3.3)
- Schmeller D.S. , Gruber B., Budrys E., Framstad E., Lengyel S., Henle K. (2008) National responsibilities in European species conservation: a methodological review. *Conservation Biology* 22 (3): 593 – 601 (IF= 3.3)
- Shefferson R.P., Kull T. & Tali K. (2005) Adult whole-plant dormancy induced by stress in long-lived orchids. *Ecology*, 86, 3099-3104 (IF = 4.8)
- Skorka P., Settele J. & Woyciechowski M. (2007) Effects of management cessation on grassland butterflies in southern Poland. *Agriculture, Ecosystems & Environment*, 121, 319-324 (IF = 2.3)
- Souris A.-C., Kaczensky P., Julliard R. & Walzer C. (2007) Time budget-, behavioral synchrony- and body score development of a newly released Przewalski's horse group *Equus ferus przewalskii*, in the Great Gobi B Strictly Protected Area in SW Mongolia. *Applied Animal Behaviour Science*, 107, 307-321 (IF = 1,4)

van Swaay C.A.M., Nowicki P., Settele J. & Strien A.J. van (submitted) Butterfly monitoring in Europe – methods, applications and perspectives. *Biodiversity and Conservation* (IF = 1.4)

## **2.2 Publications in other Journals, Proceedings, Book Chapters, etc**

Bauch B., Gruber B. & Schmeller D.S. (2006): EuMon – Arten- und Lebensraum-Monitoring in Europa. *Natur und Landschaft*, 8, 600

Bell, S. & Reinert, H. (2008) On the Outside Looking In: Biodiversity and the Algebra of Life. In Bartulović A. & Repič J. (eds.) Mediterranean Ethnological Summer Symposium (MESS), Vol. 7. Ljubljana: Institute for Multicultural Research.

Bell, S., Marzano M. & Podjed D. (In press for 2009) Inside Monitoring: A Comparison of Bird Monitoring Groups in Slovenia and the United Kingdom). In Lawrence, A. (Ed.), *Taking Stock of Nature*, Cambridge University Press; Cams.

Čelik T. (2007) Dnevni metulji (Lep.: Papilionoidea in Hesperioidea) kot bioindikatorji za ekološko in naravovarstveno vrednotenje Planinskega polja = Butterflies (Lep.: Papilionoidea in Hesperioidea) as bioindicators for nature conservation evaluation of the Planinsko polje. *Varstvo narave*, 20, 83-105

Čelik T., Verovnik R., Gomboc S. & Lasan M. (2005) Natura 2000 v Sloveniji, Metulji (Lepidoptera) = Natura 2000 in Slovenia: Lepidoptera. Ljubljana, Založba ZRC, ZRC SAZU, 288 p., ISBN 961-6500-95-3

Couvet D., Dehorter O., Henry P.-Y., Jiguet F. & Julliard R. (2006) La biodiversité contre les maladies infectieuses? *Annales des Mines - Responsabilité & Environnement*, 41, 77-83

Framstad, E. (2008) EuMon: EU-wide monitoring methods and systems of surveillance for species and habitats of Community interest. In : Levin G., Fjellstad W., Hedblom M., Rehunen A. & Münier B. (eds) *Connectivity of nature in the Nordic countries (CONNOR). Assessing landscape structure in habitat monitoring in the Nordic countries – potential approaches, methods and data. Proceedings from a workshop, Roskilde, Denmark, 14-15 May 2008.* TemaNord 2008, 571, 31-32

Gruber B., Dziöck F. & Hufe, S. (2006) Artenvielfalt im Visier. *UFZ-Magazin* 12, 58-59

- Henry P.-Y., Manil L., Cadi A. & Julliard R. (2005) Two national initiatives for Butterfly Monitoring in France, p. 85. In: Kühn E., Feldmann R., Thomas J.A. & Settele J. (eds.), *Studies on the Ecology and Conservation of Butterflies in Europe. Vol 1. General concepts and case studies*, Pensoft publishers, Sofia, Bulgaria.
- Hovestadt T. & Nowicki P. (2007) Population and metapopulation structures in *Maculinea*. *5th International Conference on the Biology of Butterflies. Abstracts Book*, p. 80.
- Leht M. & Kull T. (2006) Väheneva arvukusega liigid Eestis: kännas-kiplill (*Gypsophila fastigiata* L.). /Declining species in Estonia: *Gypsophila fastigiata* L. Marek Sammul (Toim.). *Eesti Looduseuurijate Seltsi aastaraamat (264-274)*. Tartu: Eesti Looduseuurijate Selts
- Nagy A., Rácz I.A. & Varga Z. (2005) *Maculinea* habitats in Hungary: Orthoptera assemblages. In: Kühn E., Feldmann R, Thomas J. & Settele, J. (eds.), *Studies on the Ecology and Conservation of butterflies in Europe. Vol. II. Species Ecology Along a European Gradient: Maculinea Butterflies as a Model. Conference Proceedings UFZ Leipzig-Halle, December 2005*, pp. 16-21
- Nowicki P., Pepkowska A, Kudlek J. & Woyciechowski M. (2008) Are large butterfly populations more stable than small ones? *Abstracts of the International Symposium "Future of Butterflies in Europe II"*, Wageningen, p. 18
- Nowicki P., Pepkowska A, Kudlek J., Skórka P., Witek M. & Woyciechowski, M. (2005) Abundance patterns of *Maculinea* butterflies at landscape scale – implications for metapopulation conservation. In: Constantino R, Goedert D (eds.) *Conservation biology capacity building and practice in a globalized world. Abstracts of XIX Annual Meeting of the Society of Conservation Biology. University of Brasilia, Brasilia*, p. 151
- Nowicki P., Settele J. & Woyciechowski M. (2007) Does dispersal or habitat quality lead to negative density-area relationship in *Maculinea* butterflies? *Abstracts of 1st European Congress of Conservation Biology "Diversity for Europe"*, p. 143
- Podjed, D. (2008) Voluntary Biodiversity Monitoring in the Postmodern Era: Information and Communication Technology as a Bridge between Humans and Nature. In Bartulović, A. & Repič, J. (eds.) *Mediterranean Ethnological Summer Symposium (MESS), Vol. 7*. Alenka Bartulović, Jaka Repič (eds.). Ljubljana: Institute for Multicultural Research.

- Sammul M. (2006) Monitoring and Natural Resources. *Yearbook of the Estonian Naturalists' Society* 83
- Schmeller D.S., Bauch B. & Henle K. (2007) Welche Ergebnisse des EU-Projektes EuMon sind relevant für das GVO-Monitoring? In: Breckling B, Dolek M., Lang A., Reuter H. & Verhoeven R. (eds.), *GVO-Monitoring vor der Umsetzung. Naturschutz und Biologische Vielfalt*, 49, 163-172
- Schmeller D.S. (2005) EuMon - Biodiversitäts-Monitoring auf EU-Ebene, *UFZ-Zeitung*, Umweltforschungszentrum Leipzig-Halle: 29-30
- Schmeller D.S., Gruber B., Bauch B. & Henle K. (2006) EuMon – Arten- und Lebensraum-Monitoring in Europa. *Naturschutz und Landschaftsplanung*, 12, 35-36
- Scholz M., Bauch, B. Schmeller D. & Henle K. (in press) Methodische Hinweise für den Aufbau von Monitoringprogrammen – Ergebnisse aus dem EU-Projekt EuMon – Biodiversitätsmonitoring in Europa. *Naturschutz und Biologische Vielfalt*,
- Settele J., Kuhn E., Nowicki P. & Thomas J.A. (2007) The MacMan project and its legacy. *5th International Conference on the Biology of Butterflies. Abstracts Book*, p. 74
- Sipos J. & Varga Z. (2005) Maculinea habitats: diversity of vegetation, composition and cenological relegation. In: Kühn E., Feldmann R, Thomas, J.A. & Settele J. (eds.), *Studies on the Ecology and Conservation of butterflies in Europe. Vol. II. Species Ecology Along a European Gradient: Maculinea Butterflies as a Model. Conference Proceedings UFZ Leipzig-Halle, December 2005*, pp. 45-50
- van Swaay C.A.M. & Strien A. van (2005) Using butterfly monitoring data develop a European grassland butterfly indicator. In: Kühn E., Feldmann R. Thomas J.A. & Settele S. (eds.), *Studies on the Ecology and Conservation of Butterflies in Europe. Vol 1. General concepts and case studies*, Pensoft publishers, Sofia, Bulgaria, 106-108
- Varga Z., Peregovits L. & Sipos J. (2005) Assemblages of butterflies and burnets in Maculinea habitats in Hungary. In: Kühn E., Feldmann R, Thomas J. & Settele J. (eds.), *Studies on the Ecology and Conservation of butterflies in Europe. Vol. II. Species Ecology Along a European Gradient: Maculinea Butterflies as a Model. Conference Proceedings UFZ Leipzig-Halle, December 2005*, pp. 32-44