

CURRICULUM VITAE

Aurélien BESNARD
Born June 4, 1975, Laval, France
Married, 2 children
French nationality

CURRENT ADDRESS

EPHE, *Biogéographie et Ecologie des Vertébrés*, Centre d'Ecologie Fonctionnelle et Evolutive, UMR 5175,
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POSITION

Since 2008: Lecturer at the Ecole Pratique des Hautes Etudes
Authorization to direct research (Habilitation à Diriger des Recherches) (ED EPHE) – September 4, 2013

RESEARCH INTERESTS

Biostatistics; Population dynamics and demography; Conservation biology; Amphibians; Birds; Reptiles;
Quantitative ecology; Sampling design

MENTORING AND SUPERVISION OF STUDENTS

POSTDOCTORAL FELLOWSHIPS/ATER

2012-2013– Couturier, Thibaut – Age, experience and habitat impact on Bonelli's eagle productivity in France since 1990. Currently looking for a postdoctoral fellowship or position.

2010-2011– Doxa, Aggeliki – Inferring dispersal dynamics from local population demographic modeling: the case of the slender-billed gull in the Camargue. Currently a postdoctoral fellowship in Marseille.

PHD STUDENTS

2014-2017 – Ibouroi Thani, Mohamed (co-supervised by Claude Miaud). Title: Habitat selection and population dynamics of Livingstone's fruit bats in Comoros Islands. PhD in progress.

2014-2017 – Guérin, Sandra (co-supervised by Damien Picard). Title: Impact of large transportation infrastructure on metapopulation dynamics of amphibians. PhD in progress.

2013-2016– Acker, Paul (co-supervised by Emmanuelle Cam). Title: The evolution of coloniality in gulls: the mechanisms of habitat selection in unpredictable environments. PhD in progress.

2013-2016– Francesiaz, Charlotte (co-supervised by Claude Miaud). Title: Habitat selection and coastline management for gulls and shorebirds. PhD in progress.

2012-2015– Omasombo, Valentin (co-supervised by Julien Punga Kumanenge and Claude Miaud). Title: Population status, ecology and conservation of bonobos (*Pan paniscus*) in Lomako-Yokokala National Reserve, Democratic Republic of Congo. PhD in progress.

2012-2015– Cayuela, Hugo (co-supervised by Pierre Joly and Claude Miaud). Title: Movements and breeding in a highly unstable habitat: the case of the yellow-bellied toad. PhD in progress.

2011-2014– Devoucoux, Pierrick (co-supervised by Vincent Bretagnolle). Title: Population dynamics of the little bustard: impact and consequences of high-speed railway construction in Nîmes Costières. Currently in postdoctoral fellowship.

2008-2011– Couturier, Thibaut (co-supervised by Marc Cheylan and Roger Prodon). Title: Ecology and conservation of the Hermann's tortoise (*Testudo hermanni*). A multiscale approach in a Mediterranean landscape. Currently scientific consultant at ONCFS.

2003-2006– Moneglia, Pasquale (co-supervised by Roger Prodon and Jean-Claude Thibaut). Title: Corsican nuthatch (*Sitta whiteheadi*) and Corsican pine (*Pinus nigra* ssp. *laricio* var. *corsicana*): Food resources and fire impact. Currently director of an ecological engineering company.

2003-2006– Lyet, Arnaud (co-supervised by Marc Cheylan and Roger Prodon). Title: Conservation of the French population of Orsini's viper, a multidisciplinary and practical approach. Currently a scientific consultant for WWF in Washington.

MASTER'S DEGREES

EPHE MASTER DEGREE II

- 2012 Chiffard Carricaburu, Jules – How to make monitoring consistent over several spatial scales? The example of national monitoring in the Pyrenean National Park. Currently a freelance consultant in ecological engineering.
- 2011 Schmale, Karsten – Comparative demography and conservation of amphibians. Currently an engineer in an ecological engineering company.
- 2010 Chevallier, Clément - Population viability analysis of the French population of Bonelli's eagle. Currently doing a PhD.

EPHE MASTER DEGREE I

- 2014 Gravez, Thibaut (co-supervision A. Béchet) – How to estimate regional abundance of breeders in species that move at intra-year level? The case of gulls and shorebirds in the Mediterranean area. Master Degree I in progress.
- 2014 Laforge, Charlotte (co-supervision A. Béchet) – Faithful to groups instead of colony site? Forming colonies in unpredictable habitats: the case of the slender-billed gull. Master Degree I in progress.
- 2014 Matutini, Charlotte (co-supervision J. Fonderflick) – Optimization of sampling efforts in bats, the role of habitat heterogeneity in sampling design performance. Master Degree I in progress.
- 2013 Poulain, Marie (co-supervision C. Montgelard) – Genetic structure of the slender-billed gull population around the Mediterranean basin. Currently working on a Master Degree II.
- 2013 Periera-Dias, Samuel – Synthesis and analysis of data collected on golden eagles in French national parks: sampling design optimization. Currently working on a Master Degree II.
- 2012 Farsac, Laetitia – The goal and utility of research in protected areas: the example of Port-Cros National Park. Currently looking for a PhD program.
- 2011 Chiffard Carricaburu, Jules – Development of self-appraisal tools to assess monitoring design quality. Currently a freelance consultant in ecological engineering.

OTHER MASTER DEGREE II

- 2014 Guilbaut, Emy – The impact of breeding pond characteristics on breeding success of the black-headed gull. Master Degree II in progress.
- 2014 Louvrier, Julie (co-supervision C. Dentant) – Is the detection probability of plants as high as we think? The impact of flowering phenology in Montane. Master Degree II in progress.
- 2013 Bijou, Alice (co-supervision A. Béchet) – Sex-specific dispersal pattern in unstable habitats: site familiarity as a prerequisite bias of dispersal among sexes. Currently preparing for the teacher training certification for high school.
- 2013 Francesiaz, Charlotte (co-supervision J.D. Lebreton) – Fishery and pond management impact on spatial and temporal dynamics of black-headed gull colonies. Currently working on a PhD.
- 2013 Drilhollé, Sylvain – A novel method to estimate age-specific survival probability in turtles using capture-recapture data. Currently working on a Master Degree II.

- 2012 Borner, Leyli – Optimization of the design of a monitoring program for birds in pastures in the Mercantour National Park. Currently working on a PhD.
- 2012 Simon, Julie (co-supervision O. Gimenez) – Conspecific breeding success and habitat selection in unstable habitats. The example of the slender-billed gull in the Camargue. Currently working on a PhD.
- 2012 Lecoz, Prune (co-supervision J.D. Lebreton) – Individual-based modeling of population dynamics of the black-headed gull in the Plaine du Forez. Unknown situation.
- 2011 Chabanet, Oriane (co-supervision L. Tatin) – Optimization of the design of a monitoring program for the ocellated lizard in the Crau steppe. Currently an engineer in an ecological engineering company.
- 2010 Jailloux, Adrien – Monitoring in French national parks, a valuable contribution to global biodiversity monitoring? Currently a project officer for the French National Park Agency.
- 2010 Gamelon, Marlène (co-supervision O. Gimenez) – Selection in harvested populations: the case of breeding dates in the wild boar. Currently a postdoctoral fellow in Norway.
- 2009 LeDu, Pierre-Yves – Monitoring of harvested species: advantages and limitations of N-mixture models. Currently a director of films about animals.
- 2009 Caquière, Yoan – Ecology and biogeography of the palmate newt (*Lissotriton helveticus helveticus*) in Provence. Currently an engineer in an ecological engineering company.

OTHER MASTER DEGREE I

- 2014 Arsovski, Dragan (co-supervision H. Cayuela) - Amphibian dispersal: Does breeding in temporary ponds select for high levels of dispersal in the yellow-bellied toad (*Bombina variegata*)?
- 2012 Bijou, Alice (co-supervision A. Béchet) – Ecological factors impacting body condition in slender-bill gull chicks in the Camargue. Currently preparing for the teacher training certification for high school.
- 2011 Borner, Leyli (co-supervision T. Gendre) – Population dynamics of an isolated Mediterranean population of crested newt (*Triturus cristatus*). Currently working on a PhD.
- 2011 Simon, Julie (co-supervision T. Couturier) – Impact of the composition and spatial arrangement of resources in the habitat selection of the Hermann's tortoise (*Testudo hermanni*). Currently working on a PhD.
- 2009 Desprez, Marine (co-supervision J.D. Lebreton) – Comparative demography and conservation status in birds. Currently working on a PhD.
- 2009 Clowez, Jérémy (co-supervision P.A. Crochet) – The evolution of crèching strategy in birds: a comparative approach in gulls and terns. Unknown situation.
- 2001 Marquès, Jeanne – Evolution of crèching behavior in Ciconiiforms. Unknown situation.
- 2000 Hérouin, Stéphane – Factors inducing morphometric variations in black-headed gull eggs in the Camargue. Unknown situation.
- 1999 Haquebart, Pascal – Comparative analysis of breeding phenology in the black-headed gull and the slender-billed gull. Currently an engineer in an ecological engineering company.
- 1998 Raspollini, Samuel – The cost of reproduction for the black-headed gull in the Camargue. Unknown situation.

EPHE DEGREE (three-year continuing education course leading to master's degree level)

As a scientific tutor:

- 2010-14 Owen-Jones, Zoey – The impact of ponds drying on a relictual population of *Emys obicularis*. Currently preparing for the physiotherapist exam.
- 2011-14 Wassmer, Benoit – Habitat selection in the Eurasian hobby in Alsace. Currently a teacher in primary school.
- 2011-14 Torre, Fabrice – Evaluation of the impact of forest management on the conservation of the Corsican nuthatch (*Sitta whiteheadi*). Currently project leader at the Regional Delegation of the Ministry of the Environment.
- 2009-14 Priol, Pauline – Population dynamics and habitat use of the western spadefoot toad in western France. Currently a freelance consultant in ecology.
- 2011- Nys, Sébastien – How to monitor a reptile population and community? The advantages and limitations of artificial shelters. Currently working as an officer in a protected nature area near Paris.
- 2011- Bonsacquet, Lionel – The impact of imperfect detection on the multivariate analysis of a community. Currently an officer at the Vanoise National Park.

As a pedagogical tutor:

- 2013- Geoffroy, David – Urban biodiversity: the relationship between perceived and real biodiversity. Currently in charge of the environmental policy of urban parks in Grenoble.
- 2012- Gillet, Pascal – Optimization of monitoring design in Port-Cros National Park. Currently in charge of wildlife monitoring in the Port-Cros National Park.
- 2012- Bertolini, Amélie – Habitat selection and dispersal processes in two threatened butterflies (*Maculinea alcon* Dennis & Schiffermüller, 1775, and *Coenonympha oedippus* Fabricius, 1787): implications for forest management. Currently in charge of the butterfly group in the Conservatoire des Espaces Naturels Aquitaine.
- 2010- Dauphin, Lise – Population dynamics of managed and unmanaged populations of urban pigeons. Currently working at the Muséum National d’Histoire Naturelle de Paris as a technician.
- 2010-13 Nisser, Jacques – Breeding ecology and population dynamics of the crested cormorant (*Phalacrocorax aristotelis*) on Béniguet Island (Finistère). Currently an officer at the National Office of Hunting and Wildlife.
- 2010- Vollot, Benjamin – Assessing the negative trap-effect in the house sparrow and its impact on population dynamics inferences. Currently working as a field technician at the Parc Ornithologique de Pont de Gau.
- 2010- Fruitet, Luc – Red-legged partridge habitat selection in anthropized landscapes. Currently an officer at the National Office of Hunting and Wildlife.
- 2008- Pineau, Kévin – A first insight into the birds occupying the Réserve Naturelle du Trésor in Guyana. Currently an engineer in an ecological engineering company.
- 2009-13 Garnier, Alexandre – the role of pathologies on populations: the short- and long-term impact of epidemics on the Capra ibex (*Capra ibex ibex*) in the Vanoise National Park. Currently a field technician for the Vanoise National Park.
- 2009-13- Haquart, Alexandre – Habitat use in bats. Are automatic recorders useful for exploring habitat-abundance relationships? Currently an engineer in an ecological engineering company.
- 2010- Dupperay, Théo – Is male sterilization effective for eradicating the signal crayfish (*Pacifastacus Leniusculus*)? Currently a freelance consultant in the ecology of crayfish.

PhD AND EPHE DEGREE JURIES

- 2014 Rapporteur of Mathieu Chevalier’s PhD Thesis: Global change and fish population evolution.
- 2014 Rapporteur of Jean-Baptiste Lecomte’s PhD thesis: Statistics modeling of spatial and temporal distribution of invertebrates in Saint-Laurent’s Gulf
- 2013 Rapporteur of Pascal Marchand’s PhD thesis: Spatial and temporal determinants of habitat selection in the Mediterranean mouflon *Ovis gmelini musimon* x *Ovis sp.*
- 2013 Jury member of Eric Ginard’s PhD thesis: Transport infrastructure and birds: factors that impact mortality by collision
- 2012 Jury member of Abdenour Bouchecker’s PhD thesis: Metapopulation dynamics of the flamingo in the Mediterranean Sea
- 2012 Jury member of Raphael Santos’s PhD thesis: Genotoxicity biomarkers in the spined stickleback
- 2012 Jury president of Marine Fumaroli’s EPHE degree
- 2012 Jury president of Sylvain Blouet’s EPHE degree
- 2010 Jury member of Alexandre Boissinot’s EPHE degree
- 2009 Jury member of Frédéric Vallejo’s EPHE degree

PhD COMMITTEES

- 2014 – Michael Legall – impact of connectivity between ponds for dragonflies
- 2014 – Quentin Richard –reproduction tactics in montane ungulates
- 2013- Clémence Poirotte – Parasitism and social behavior in mandrills
- 2013- Félix Ndagijimana – Population genetics, inbreeding depression and mate choice: A long-term analysis in wild mountain gorillas
- 2012- Leila Tschanz – The importance of socio-ecological studies for setting up relevant programs for biodiversity conservation
- 2011-13 Aliénor Jeliaskov – Scale effects in farmland–biodiversity relationships
- 2011-13 Sébastien Ficheux – Population dynamics and genetic structure of European pond turtles in the Camargue
- 2012- Leyli Borner – Collisions and electrocutions of birds on power lines
- 2012- Nicolas Lieury – Advantages of integrated population modeling in conservation biology
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2010-12 Simon Chollet – Large herbivores and biodiversity in temperate forests

TEACHING EXPERIENCE

University / Institution	Training Units (TU)	Annual hours (Courses)	Leader
EPHE	Methods for ecology	24 h / year	Yes
	Statistics: level I	6 h / year	Yes
	Statistics: level II	24 h / year	Yes
	Population dynamics	28 h / year	Yes
	Basics in ecology	3 h / year	No
ATEN	Monitoring methods and statistics	50 h / year	Yes
University of Montpellier II	Conservation biology	7 h / year	No

EPHE

Since 2003: 24h / year – TU ‘Methods for ecology’ (CMR, distance sampling, sampling design, etc.)

Since 2003: 24h / year – TU ‘Statistics: level II’ (GLM)

Since 2012: 28h / year – TU ‘Population dynamics’ (survival analysis, matrix modeling, etc.)

Since 2003: 6h / year – TU ‘Statistics: level I’ (ANOVA, sampling)

Since 2010: 3h / year – TU ‘Basics in ecology’ (population dynamics)

OTHER

Since 2010: 6h / year – Master Degree I ‘Ingénierie en Ecologie et Gestion de la Biodiversité’ – University of Montpellier II – ‘Conservation Biology’

Since 2007: 34 h / year – Continuing education for stakeholders and field practitioners of conservation areas at the Atelier Technique des Espaces Naturels – ‘Monitoring methods for conservation biology’

Since 2011: 16 h / year - Continuing education for stakeholders and field practitioners of conservation areas at the Atelier Technique des Espaces Naturels – ‘Statistical analysis for data collected in the field’

2013: 7h – Graphics with R – continuing education at CNRS

ADMINISTRATIVE RESPONSIBILITIES

Member of continuing education committee of SVT-EPHE

In charge of the training unit ‘Methods for ecology’ (with R. Prodon)

In charge of the training unit ‘Statistics: level 1’ (with C.-P. Guillaume)

In charge of the training unit ‘Statistics: level 2’ (with C.-P. Guillaume)

In charge of the training unit ‘Population dynamics’ (with C. Miaud)

In charge of the OSU-OREME observation system ‘Dynamics of animal communities in the Mediterranean area’

In charge of the OSU-OREME observation task ‘Birds of Mediterranean lagoons’

In charge of the OSU-OREME observation task ‘Pond monitoring in the Mediterranean area’

In charge of the OSU-OREME observation task ‘Population dynamics of the black-headed gull’

SCIENTIFIC COMMITTEES AND WORKING GROUPS

Member of the French National Parks scientific committee

Member of the regional scientific committee of Natural Heritage of Languedoc-Roussillon

Member of the Conservatoire des Espaces Naturels Languedoc-Roussillon scientific committee

Member of the Conservatoire des Espaces Naturels PACA scientific committee

Member of the Observatoire de Patrimoine Naturel Littoral (RNF-AAMP) scientific committee

Member of the Life+ LAGNATURE scientific committee

Member of the National Reserve of Crau Steppe scientific committee

Member of the National Action Plan ‘Bonelli’s eagle’ scientific committee

Member of the National Action Plan ‘Pyrenean desman’ scientific committee

Member of the National Action Plan ‘Necrophagous birds of prey’ scientific committee

Member of the National Action Plan 'Orsini's viper' scientific committee
Member of the National Action Plan 'Mediterranean turtle' scientific committee
Member of the National Action Plan 'Shrike' scientific committee
Member of the regional scientific committee of the National Action Plan 'Ocellated lizard'
Member of the national working group for amphibian monitoring (MNHN-SHF)
Member of the national working group for reptile monitoring (MNHN-SHF)
Member of the French Ecological Society working group on long-term monitoring
Member of GDR research group 'Statistical ecology' at the CNRS

EDITORIAL SERVICES

Since 2008: Associate Editor of *Wildlife Biology*

INVITED REVIEWER FOR JOURNALS

Population Ecology, Amphibia-Reptilia, Ibis, Animal Behavior, Ecology, Journal of Avian Biology, Journal of Field Ornithology, Wildlife Biology, Journal of Wildlife Management, Ecological Engineering, Journal of Herpetology, Bird Study, Methods in Ecology and Evolution, Biodiversity and Conservation, PLOS One.

LIST OF PUBLICATIONS

The students I have supervised are underlined.

Papers in peer-reviewed journals indexed in 'current contents'

[A54] 2015 - Chevallier C., Hernandez-Matias A., Real J., Vincent-Martin N., Ravayrol A. & **Besnard A.** - Effectiveness of power lines isolation in reducing raptor mortality: the case of French Bonelli's eagle *Aquila fasciata* population. JOURNAL OF APPLIED ECOLOGY. *In press.*

[A53] 2015 – Charbonnel A., Buisson L., Biffi M., D'Amico F., **Besnard A.**, Aulagnier S., Blanc F., Gillet F., Lacaze V., Michaux J., Némoy M., Pagé C., Miguel Sanchez-Perez J., Sauvage S., Laffaille P. - Integrating hydrological features and genetically validated occurrence data in occupancy modeling of an endemic and endangered semi-aquatic mammal, *Galemys pyrenaicus*, in a Pyrenean catchment – BIOLOGICAL CONSERVATION. *In press.*

[A52] 2015 – Lambret P., **Besnard A.** & Matushkina N. – Initial Preference for plant species and state during oviposition site selection by a dragonfly. ENTOMOLOGICAL SCIENCE. *In press.*

[A51] 2014 - Santos R., Joyeux A., Palluel O., Palos-Ladeiro M., **Besnard A.**, Blanchard C., Porcher J-M., Bony S., Devaux A., Sanchez W. - Characterization of a genotoxicity biomarker in three-spined stickleback (*Gasterosteus aculeatus*L.): biotic variability and integration in a battery of biomarkers. ENVIRONMENTAL TOXICOLOGY. *In press.*

[A50] 2014 - Fonderflick J., **Besnard A.**, Beuret A., Dalmais M. & Schatz B. - Impact of grazing management on Orthoptera abundance varies along season in Mediterranean steppe-like grassland. ACTA OECOLOGICA. 60:7-16.

[A49] 2014 - Petitot M., Manceau N., Geniez P. & **Besnard A.** - Optimizing amphibian surveys by maximising detection probability in Mediterranean ponds. ECOLOGY AND EVOLUTION. 4(18):3538-3549.

[A48] 2014 - Hanane S. & **Besnard A.** - Are nest-detection probability methods relevant for estimating turtle dove breeding populations? A case study in Moroccan agroecosystems. EUROPEAN JOURNAL OF WILDLIFE RESEARCH. 60:673-680.

- [A47] 2014 – Hertzog L., **Besnard A.** & Jay-Robert P. - Field validation shows bias corrected pseudo-absence selection is the best method for predictive species distribution modelling. DIVERSITY AND DISTRIBUTION. 20:673-680.
- [A46] 2014 - Cayuella H., **Besnard A.**, Bonnaire E., Perret H., Rivoalen J., Miaud C., Hiby L., & Joly P. - To breed or not to breed: internal and environmental factors drive the decision in an amphibian, the yellow-bellied toad (*Bombina variegata*). OECOLOGIA. 176:107-16.
- [A45] 2014 – Charbonnel A., D’Amico F., **Besnard A.**, Blanc F., Buisson L., Nemoz M. & Laffaille P. - Spatial replicates as a relevant alternative to temporal replicates for occupancy modeling of semi-aquatic mammals along rivers. JOURNAL OF APPLIED ECOLOGY. 51:1425-1433
- [A44] 2014 – Gimenez O., Blanc L., **Besnard A.**, Pradel R., Doherty P. & Choquet R. – Fitting occupancy models with E-Surge: Hidden markov modelling of presence-absence data. METHODS IN ECOLOGY AND EVOLUTION. 5(6):592-597.
- [A43] 2014 – Ficheux S., Olivier A., Fey R., Crivelli A., **Besnard A.** & Béchet A.- Rapid response of a long-lived species to improved water and grazing management: the case of the European pond turtle (*Emys orbicularis*) in the Camargue, France. JOURNAL OF NATURE CONSERVATION. 22(4): 342-348.
- [A42] 2014 – Buckland S., Cole N., Aguirre-Gutiérrez J., Gallagher L.; Henshaw S.; **Besnard A.**; Tucker R.; Bachraz V.; Ruhomaun K. & Harris S.- Using hierarchical and species distribution modelling to explore the ecological effects of the invasive giant Madagascar day gecko on endemic day geckos in Mauritius. PLOS ONE. DOI: 10.1371 Journal.pone.0088798
- [A41] 2014 – Santos R., Palos-Ladeiro M.; **Besnard A.**, Vulliet E., Porcher J.-M., Bony S., Devaux . & Sanchez W. - Kinetic response of a genotoxicity biomarker in the three-spined stickleback and implications for environmental monitoring. ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY. 102:6-11.
- [A40] 2014 – Mignet F., Gendre T., Reudet D., Malgoire F. , Cheylan M. & **Besnard A.** -Short-term evaluation of the success of a reintroduction program of the European pond turtle: the contribution of space-use modeling. CHELONIAN CONSERVATION AND BIOLOGY. 13(1):72-80.
- [A39] 2014 – Jakob C., Ponce-Boutin F. & **Besnard A.** - Coping with heterogeneity to detect species on a large scale: N-mixture modeling applied to red-legged partridge counts. JOURNAL OF WILDLIFE MANAGEMENT. 78:540-549.
- [A38] 2014 – Couturier T., **Besnard A.**, Bertolero A., Bosc V., Astruc G. & Cheylan M. – Factors determining the abundance and the occurrence of the Hermann’s tortoise *Testudo hermanni* in France and Spain: fire regime as the main driver. BIOLOGICAL CONSERVATION. 170 :177-187.
- [A37] 2014 – Astruc G., Farny G., Corail M., Combrisson D., Dudouet C., Brebion G., Lisambert H. & **Besnard A.** – Dynamique des populations et phénologie des Sonneurs à ventre jaune dans le Parc national des Ecrins. BULLETIN DE LA SOCIETE HERPETOLOGIQUE DE FRANCE. 149:9-23.
- [A36] 2013 - Cursach J., **Besnard A.**, Rita J. & Fréville H. - Spatial demographic variation and conservation of the narrow endemic plant *Ranunculus weyleri*: insights from Integral Projection Models. ACTA OECOLOGICA. 53:102-109.
- [A35] 2013 - Couturier T., Tillion-Lacazale L., **Besnard A.**, Astruc G. & Cheylan M. - Déclin d’une population de Tortue d’Hermann (*Testudo hermanni hermanni* Gmelin, 1789) en milieu forestier. Effets combinés de plusieurs facteurs anthropiques. REV. ECOL. (TERRE ET VIE).69 :142-150.
- [A34] 2013 - Villard P., **Besnard A.**, Thibault J.-C., Recorbet B. & Prodon R. - Selection of mature and old stands by the Corsican Nuthatch in harvested forests; conservation issues. IBIS. 156:132-140

- [A33] 2013 - Santos R., Palos-Ladeiro M., **Besnard A.**, Reggio J., Vuillet E., Porcher J.-M., Bony S., Sanchez W & Devaux A. - Parental exposure to Methyl Methane Sulfonate of three-spined stickleback: contribution of DNA damage in male and female germ cells to further development impairment in progeny. *ECOTOXICOLOGY*, 22:815-824.
- [A32] 2013 - Jeliaskov A., Chiron F., Garnier J., **Besnard A.**, Silvestre M. & Jiguet F. - Level-dependence of the relationships between Amphibian biodiversity and environment in ponds in a context of intensive agriculture. *HYDROBIOLOGIA*. 723:7-23.
- [A31] 2013 – Doxa A., **Besnard A.**, Béchet A., Pin C., Lebreton J.-D. & Sadoul N. - Inferring dispersal dynamics from local population demographic modelling: the case of the slender-billed gull in the Camargue. *ANIMAL CONSERVATION*. 16:684-693.
- [A30] 2013 – Cayuela H., **Besnard A.** & Joly P. - Multi-events models reveal the absence of interaction between an invasive frog and a native endangered amphibian. *BIOLOGICAL INVASION*. 15:2001-2012.
- [A29] 2013 - Hanane S. & **Besnard A.** - Nest survival of wood pigeons (*Columba palumbus*) in North African forests. *BIRD STUDY*, 60:202-210.
- [A28] 2013 – Choquet R., Guédon Y., **Besnard A.**, Guillemain M. & Pradel R. – Estimating stop over duration in the presence of trap-effects. *ECOLOGICAL MODELLING*, 250: 111-118.
- [A27] 2013 - Santos R., Palos-Ladeiro M., **Besnard A.**, Porcher J.-M., Bony S., Sanchez W; & Devaux A. - Relationship between DNA damage in sperm after *ex vivo* exposure and abnormal embryo development in the progeny of the three-spined stickleback. *REPRODUCTIVE TOXICOLOGY*, 36: 6-11.
- [A26] 2013 - Villemey A., **Besnard A.**, Grandadam J. & Eidenschenck J. - Testing restocking methods for an endangered species: effects of predator exclusion and vegetation cover on common hamster (*Cricetus cricetus*) survival and reproduction. *BIOLOGICAL CONSERVATION*, 158: 147-154.
- [A25] 2013 - Andrieu E., Fréville H., **Besnard A.**, Vaudey V., Gauthier P., Thompson J. & Debussche M. - Forest cutting rapidly improve the demographic status of *Paeonia officinalis*, a species threatened by forest closure. *POPULATION ECOLOGY*, 55: 147-158.
- [A24] 2013 - Fonderflick J., **Besnard A.** & Martin J.-L. - Species traits and the response of open-habitat species to forest edge in landscape mosaics. *OIKOS*, 122: 42-51.
- [A23] 2012 - Couturier T., Cheylan M., Bertolero A., Astruc G. & **Besnard A.** - Estimating abundance and population trends when detection is low and highly variable: a comparison of three methods for the Hermann's Tortoise. *JOURNAL OF WILDLIFE MANAGEMENT*, 77:454-462.
- [A22] 2012 - Cayuela H., **Besnard A.**, Béchet A., Devictor V. & Olivier A. - Reproductive dynamic of three amphibian species in Mediterranean wetlands: the role of local precipitations and hydrological regimes. *FRESHWATER BIOLOGY*, 57: 2629-2640.
- [A21] 2012 - Schmeller D., Henle K., Loyau A., **Besnard A.** & Henry P.-Y. - Bird monitoring in Europe - a first overview of practices, motivations and aims. *NATURE CONSERVATION*, 2: 41-57.
- [A20] 2012 - Chevallier C., Crochet P.-A., Vincent-Martin N., Ravayrol A. & **Besnard A.** - Use of mixture models to characterize site quality in philopatric animals: a case study with Bonelli's eagle. *ANIMAL CONSERVATION*, 16:198-206.
- [A19] 2012 - Lyet A., Thuiller W., Cheylan M. & **Besnard A.** - Fine-scale regional distribution modeling of rare and threatened species: bridging GIS tools and conservation in practice. *DIVERSITY AND DISTRIBUTION*, 19:651-663.

- [A18] 2012 - Hanane S., **Besnard A.** & Aafi A. - Factors affecting reproduction of Woodpigeons *Columba palumbus* in North Africa forests: 1. Nest habitat selection. BIRD STUDY, 49: 463-473.
- [A17] 2011 - Albayrac T., **Besnard A.** & Erdogan A. - Morphometric variation and population relationships of Kruper's nuthatch (*Sitta krueperi*) in Turkey. WILSON JOURNAL OF ORNITHOLOGY, 123: 734-740.
- [A16] 2011 - Doré F., Grillet P., Thirion J.-M., **Besnard A.** & Cheylan M. – Premiers résultats d'un suivi à long terme sur une population de Lézards ocellés *Timon lipidus* sur l'île d'Oléron. REV. ECOL. (TERRE ET VIE), 66(2): 205-214.
- [A15] 2011 - Couturier T., Cheylan M., Guérette E. & **Besnard A.** - Impact of a wildfire on the mortality rate as small-scale movements of a Hermann's tortoise *Testudo hermanni hermanni* population in southeastern France. AMPHIBIA-REPTILIA, 32: 541-545.
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