

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., Némoz 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 - Cayuela 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 weyerli*: 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 - Jeliakov 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 lepidus* 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.
- [A14] 2011 - Gamelon M., **Besnard A.**, Gaillard J.-M., Servanty S., Baudet E. & Gimenez O. - High hunting pressure select for earlier birth date: wild boar as a case study. EVOLUTION, 65: 3100-3112.
- [A13] 2011 - Doré F., Grillet P., Thirion J.-M., **Besnard A.** & Cheylan M. - Implementation of a long term monitoring program of the ocellated lizard *Timon lepidus* (saurians, lacertidae) on the Oleron island. AMPHIBIA-REPTILIA, 32(2): 159-166.

[A12] 2010 - Lebreton J.-D., Devillard S., Popy S., Desprez M., **Besnard A.** & Gaillard J.-M. – Towards a Vertebrate demographic data bank. JOURNAL OF ORNITHOLOGY, 152: 617-624.

[A11] 2010 - Henry M., **Besnard A.**, Asante W.A., Eshun J., Adu-Bredu S., Valentini R., Bernoux M. & Saint-André L. – Wood density, phytomass variations within and among trees, and allometric equations in a tropical rainforest of Africa. FOREST ECOLOGY AND MANAGEMENT, 260(8): 1375-1388.

[A10] 2010 - Jakob C., Ponce-Boutin F., **Besnard A.** & Eraud C. - On the efficiency of using song playback during call count surveys of Red-legged partridges (*Alectoris rufa*). EUROPEAN JOURNAL OF WILDLIFE RESEARCH, 56: 907-913.

[A9] 2010 - **Besnard A.**, Novoa C. & Gimenez O. - Hunting impact on Pyrenean gray partridge population dynamics. WILDLIFE BIOLOGY, 16: 135-143.

[A8] 2009 - Lynet A., Cheylan M. & **Besnard A.** - Prescribed fire and conservation of a threatened mountain grassland specialist. A capture-recapture study on *Vipera ursinii* in the French alps. ANIMAL CONSERVATION, 12: 238-248.

[A7] 2009 - Moneglia P., **Besnard A.**, Thibault J.-C. & Prodon R. - Habitat selection of the Corsican nuthatch (*Sitta whiteheadi*) after a fire. JOURNAL OF ORNITHOLOGY, 150: 577-583.

[A6] 2008 – Novoa C., **Besnard A.**, Brenot J.-F. & Ellison L. - Effect of weather on the reproductive rate of Rock Ptarmigan *Lagopus muta* in the eastern Pyrenees. IBIS, 150(2): 270-278.

[A5] 2007 - **Besnard A.**, Piry S., Berthier K., Lebreton J.-D. & Streiff R. - Modeling survival and mark loss in molting animals using recapture, dead recoveries and exuvia recoveries. ECOLOGY, 88(2): 289-295.

[A4] 2007 - Bertolero A., Oro D. & **Besnard A.** - Assessing the efficacy of reintroduction programmes by modelling adult survival: the example of Hermann's tortoise. ANIMAL CONSERVATION, 10: 360-368.

[A3] 2006 - **Besnard A.**, Sadoul N. & Lebreton J.-D. - First quantitative comparison of aggression between creching and non-creching larid species. WATERBIRDS, 29(4): 481-488.

[A2] 2002 - **Besnard A.**, Gimenez O. & Lebreton J.-D. - A model for the evolution of creching behaviour in gulls. EVOLUTIONARY ECOLOGY, 16(5): 489-503.

[A1] 2002 - **Besnard A.**, Scher O., Lebreton J.-D. & Sadoul N. - Forced copulation attempts on gull chicks. IBIS, 144: 684-685.

Other papers (without peer-review or not indexed in 'current contents')

[B19] 2014 - Astruc, G., Couturier, T., **Besnard, A.**, Bertolero, A., Bosc, V. & Cheylan, M. - Influence des habitats et régimes de feu sur la distribution et l'occurrence de la Tortue d'Hermann en Espagne et en France. Actes de l'atelier International sur la gestion et la restauration des populations et habitats de la Tortue d'Hermann, 18-20 sept 2013, Le Luc-en-Provence, France. *In press*.

[B18] 2013 – Dentant C. & **Besnard A.** - Le géranium argenté (*Geranium argenteum* L.) et le dilemme du Petit Prince. NATURE DE PROVENCE. Vol 2, pp 5-11.

[B17] 2013 – Boissinot A., Grillet P., Morin S., **Besnard A.** & Lourdais O. – Influence de la structure du bocage sur les amphibiens et les reptiles : une approche multi-échelle. FAUNE SAUVAGE n°301, pp41-48.

[B16] 2013 - Chabanier O., Tatin L., Renet J. & **Besnard A.** Suivi des tendances de populations de lézards ocellés dans la steppe de Crau: estimation de la probabilité de détection par radio-télémetrie. Actes du 39ème congrès de

la Société Herpétologique de France, 8-10 septembre 2011, Saint Brisson (France). Bourgogne Nature n°17, p221-227.

[B15] 2013 – Steinmetz J., Marc D., Néri F., Trichet E., **Besnard A.**, Defos du Rau P. & Paris A. - La Loutre (*Lutra lutra*) en Midi-Pyrénées : essai de caractérisation de la dynamique régionale de l'espèce. 4èmes Rencontres Naturalistes de Midi-Pyrénées - Actes du colloque tenu à Albi (Tarn) du 31 janvier au 2 février 2013. Nature Midi-Pyrénées, Toulouse : 232 p.

[B14] 2013 - Farsac L., Boudouresque C.-F., Barcelo A. & **Besnard A.** - La recherche scientifique au sein des espaces protégés : le cas du Parc National de Port-Cros. Travaux scientifiques du Parc National de Port-Cros. 27 :109-141.

[B13] 2013 – Cabaret P. & **Besnard A.** – Protocole mal calé, le petit coup de pouce des biostatisticiens. ESPACES NATURELS. Vol 41, p25.

[B12] 2013 – Landrieu G. & **Besnard A.** – Depuis 50 ans les parcs nationaux collectent des données naturalistes, voici venu le temps de l'harmonisation. ESPACES NATURELS. Vol 41, pp 30-31.

[B11] 2012 – Borner L., Fonderflick K., Astruc G. & **Besnard A.** – La modélisation de niche écologique comme outils pour identifier les zones à enjeux de conservation : atouts et limites dans le cadre du Parc National du Mercantour – Actes du colloques « ATBI+ PIT Mercantour /Alpi-Maritime », Barcelonnette, sept 2012.

[B10] 2012 - Lisse H., **Besnard A.**, Rigaux J., Ferchaud A.-L. & Lyet A. - Etat des populations de Vipère d'Orsini en France. NATURE DE PROVENCE. 1 :59-74.

[B9] 2012 - Tatin L., Renet J. & **Besnard A.** - Diminution drastique de la taille d'une population de Lézards ocellés *Timon lepidus* (Daudin 1802) en plaine de Crau : comment l'interpréter et quelles leçons en tirer ? NATURE DE PROVENCE. 1: 33-39.

[B8] 2012 - Chabanier O., Renet J., **Besnard A.** & Tatin L. - Une méthode d'attache de radio-émetteurs sur le Lézard ocellé *Timon lepidus* (Daudin 1802) : pertinence et effet sur le comportement des animaux. NATURE DE PROVENCE. 1:41-47.

[B7] 2011 - Recorbet B., Le Dru A., Travuchon S., Jolin C., Faggio G., Bacetti N. & **Besnard A.** - Premières données biologiques sur les Goélands d'Audouin *Larus audouinii* de la colonie d'Aspretto/ Ajacio (Corse). ALAUDA, 79(3): 187-198.

[B6] 2011 - **Besnard A.** & Chevallier C. - Influence des sites sources-puits sur la dynamique de la population d'Aigle Bonelli en France. Actes du colloque international : conservation de l'Aigle de Bonelli. Montpellier 2010. pp34-37.

[B5] 2011 – **Besnard A.** & Chiffard-Caribaburu J. – L'intérêt des tests de puissance pour optimiser ses protocoles de suivis. ESPACES NATURELS, 34: 41.

[B4] 2010 – **Besnard A.**, Prodon R. & Thibault J.-C. - Modeling the extinction risk of Corsican Nuthatch. Actes du « Séminaire national de restitution du plan national de restauration de la Sittelle corse ». Corte.

[B3] 2009 – Moneglia P., **Besnard A.**, Thibault J.-C., Beck N. & Prodon R. – Conséquences du feu sur l'effectif de deux populations de Sittelle corse. Bull. Société sciences historiques et naturelles Corse - pp726-727.

[B2] 2009 – **Besnard A.** & Cheylan L. – Estimations d'effectifs, passez la méthode au crible. ESPACES NATURELS, 26: 23-26.

[B1] 2008 - Tron F., Zenasni A., Bousquet G., Cramm P. & **Besnard A.** – Ré-évaluation du statut du Rollier d'Europe en France. ORNITHOS, 15 (2): 84-89

BOOK CHAPTERS

[C4] 2013 - **Besnard A.**, Dutoit T. & Tatin L. - Faire de la collaboration gestionnaire-chercheur un lien systématique pour renforcer la conservation de la nature. Dans L. Tatin, A. Wolff, J. Boutin, E. Colliot & T. Dutoit (coords). La Crau : écologie et conservation d'une steppe méditerranéenne. Les éditions Quae, Versailles, France.

[C3] 2013 -Tatin L., Renet J. & **Besnard A.** - Le lézard ocellé (*Timon lepidus*). Dans L. Tatin, A. Wolff, J. Boutin, E. Colliot & T. Dutoit (coords). La Crau : écologie et conservation d'une steppe méditerranéenne. Les éditions Quae, Versailles, France.

[C2] 2013 -Tatin L., Streiff R., Foucard A. & **Besnard A.** – Le Criquet Rhodanien. Dans L. Tatin, A. Wolff, J. Boutin, E. Colliot & T. Dutoit (coords). La Crau : écologie et conservation d'une steppe méditerranéenne. Les éditions Quae, Versailles, France.

[C1] 2013 -Vincent-Martin N, Gimenez O. & **Besnard A.** - Reproduction et dynamique de colonisations en cavités artificielles du Rollier d'Europe (*Coracias garrulus*) dans la plaine de Crau. Dans L. Tatin, A. Wolff, J. Boutin, E. Colliot & T. Dutoit (coords). La Crau : écologie et conservation d'une steppe méditerranéenne. Les éditions Quae, Versailles, France.