FRANCK COURCHAMP

DYNAMIQUE DES POPULATIONS ET BIOLOGIE DE LA CONSERVATION

FORMATION

01/10/2015	Passage en DR1 – 01/10/2008: Passage en DR2 – 01/10/05: Passage en CR1 – 03/02/03: HDR
2014-2015	*Visiting Scholar* et *Fulbright Fellow* à l'*Université de Californie Los Angeles*, USA
01/10/2000	Recrutement au CNRS (classé 1er au concours CR2 2000 section 30) à *l'ESE-UPS* (*Laboratoire d'Ecologie, Systématique & Evolution, Université Paris Sud, Orsay*)
1999 - 2000	Stage Post doctoral chez Pr. Paul Leadley (*ESE-UPS*): Contrôle des mammifères introduits sur les îles
1997 - 1999	Stage Post doctoral chez Pr. Clutton-Brock et Dr Grenfell (*Department of Zoology, University of Cambridge, UK*): Reproduction coopérative et effet Allee
1997-1996	Stage Post doctoral chez Pr. Sugihara (*Scripps Institutionof Oceanography – Université San Diego, Californie, USA*): Dynamique des réseaux trophiques perturbés en milieu insulaire
1996-1992	Thèse de Doctorat chez Pr. Pontier (Bourse MRES, ½ ATER: *Université Claude Bernard, Lyon I*). Etude de l'épidémiologie du Virus de l'Immunodéficience Féline dans les populations de chats domestiques, *Felis catus*. Mention très honorable, félicitations du jury

PUBLICATIONS

- 220 publications dans des revues à comité de lecture. >34 000 citations (Google Scholar), h=76
- 1 monographie scientifique (avec deux co-auteurs), trois livres de vulgarisation, 7 chapitres de livres
- 75 conférences internationales dont 44 invitées

COMMUNICATIONS INTERNATIONALES *(INVITATIONS UNIQUEMENT, HORS FRANCE) :*

Vodice, Croatia (2020)	*11th International Conference on Biological Invasions*
Warsaw, Poland (2019)	*8th European Congress of Mammalogy*
Vilnius, Lithuania (2019)	*34th International Union of Game Biology Congress*
Tsukuba, Japan (2019)	*First Meeting of the Lead Authors of the IAS-IPBES assessment*
Katowice, Poland (2018)	*COP 24 on Climate Change*
Sharm El–Sheikh, Egypt (2018)	*COP 14 Biodiversity*
Tallinn, Estonia (2018)	*Crossing boundaries: new approaches to science for policy in Europe*
Stellenbosch, South Africa (2018)	*Ecological communities and ecosystems facing biological invasions*
Bariloche, Argentina (2018)	*Range Shifts and Local Adaptations - Andina 2018*
Montana, USA (2017)	*Weed Control and Invasive Species 2017 Meeting*
Azores, Portugal (2016)	*Island Biology 2016*
Abu Dhabi, EAU (2015)	*Eye on Earth World Summit 2015*
Sevilla, Spain (2015)	*10th European Vertebrate Pest Management Conference*
Quito, Equator (2015)	*La biodiversidad frente al cambio climàtico / COP21*
Cairns, Australia (2014)	*IUSSI International Congress*
London, England (2013)	*11th INTECOL Congress*
Bialowieza, Poland (2012)	*"Invasive species – threat and management" International Workshop*
Tokyo, Japon (2011)	*5th Japanese-French Frontiers of Science symposium*
Bialowieza, Poland (2010)	*BIOSEB, M. Curie European Summer Schools in Ecology & Biodiv.*
Tokyo, Japan (2009)	*Intl Day for Biological Diversity, United Nation Univ. Headquarters*
Tromsø, Norway (2009)	*Stables Isotopes and Predator-Prey Interactions Meeting*
Okinawa, Japan (2008)	*First International Symposium on Invasive Mammals*
Hawaii, USA (2007)	*Interdisciplinary Conf. on "Rats, Humans, and their Impacts on Islands"*
Turku, Finland (2007)	*5th Nessling Environment Symposium*
Londres, England (2006)	*Mammal Society Symp.: 'Invasion ecology'*
Okazaki, Japan (2006)	*OBC Conference, Biology of Extinctions*
Sapporo, Japan (2005)	*9th International Mammalogy Conference*
Okazaki, Japan (2004)	*OBC Conference, Biology of Extinctions. Okazaki*
Oxford, England (2001)	*Canid Conservation Conference*

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ACTIVITÉS D'ENSEIGNEMENT

- Création et responsabilité des UE M2R « *Ecology in English* » (2004 – 2010) et « *Biologie de la Conservation » (2004-2006).*
- Encadrement d'étudiants (>100) à divers niveaux en France et à l'étranger (L1 à thèse)
- Divers cours en *Dynamique des Populations* et en *Biologie de la Conservation*, en 1er et 2nd Cycles Universitaires en France et à l'étranger.
- Monitorat, puis ATER, UCB Lyon I: TP, TD et cours d'Analyse et de Statistiques, d'Informatique, d'Ecologie, de Dynamique et Génétique des Populations en 1er, 2ème et 3ème cycles

ACTIVITES DE VULGARISATION

Audiovisuel

Films documentaires

- *Legacy,* 2021. Réalisation Yann Arthus Bertrand. 1h40. Diffusion M6. Plus de 6 millions de vues.
- *Insignificant* – Une espèce à part. 2019. 10x3'. Film d'animation 3D avec Clément Morin. Arte Diffusion. https://youtu.be/stCxLxBMjYA. Plus de 15 millions de vues sur les différentes versions.
- *Les Super-Juniors, ils s'engagent pour la planète.* 2017. Real. Eve Minault. 90 min. France Television.
- *Planète Corps*, 2015. 90 min. Réalisation PF Gaudry. Production Arte. DVD. Quatre prix internationaux.
- *Les rats, pirates des îles,* 2010. Réalisation E Vidal et PE Chaillon. 56 min. production CNRS Images. DVD
- *Et si la biodiversité disparaissait ?* 2010. Clip vidéo d'animation pour Internet. 2min25. Versions Française et Anglaise. Réalisation S. Bensadoun. Production CNRS Images. DVD
- *Un monde vivant – histoires de biodiversité*. 2010. Regards croisés de 6 chercheurs CNRS sur la biodiversité et ses enjeux. 1h30. Réalisation S. Bensadoun. Production CNRS Images. DVD.
- *Comment préserver la biodiversité.* 2009. 30 Min. Journaliste A. Spire, réalisateur D. Deleskiewicz, production CNRS Images. DVD
- *Quand les rats quittent le navire*. 2007. 10 min. Réalisation E. Fertil, diffusé le 30 mai 2007, France 5
- *Et si… La guerre et la paix : Et si un écologue avait quelque chose à nous dire sur la paix* ? 2003. 56mn. Collection d'entretiens scientifiques réalisée par A. Jaffrennou & M. Cuisset. ZKO Production. DVD
- *Safari urbain: épidémiologie du SIDA du chat*. 1996. 29 mn. CNRS Audiovisuel. DVD

Emissions télévisées

- *Discovery Channel Can.*, *Complément Terre* (Direct8), *EfferveSciences* (W9, Synapse TV)

Emissions radios

- *France Inter, France Info, France Bleue, RFI, Europe 1, RTL, LeMouv', Radio Fourvière, TSF, National Public Radio USA, Radio Adelaïde (Australie), Radio Télévision Suisse, …*

Conférences

- Nombreuses conférences publiques : pour des associations, des municipalités, des écoles (primaire, collège, lycées), des collectivités territoriales, des salons et festivals, ambassades, *chat* Internet, Cafés-Débats…
- Conférence en ligne : http://www.ese.u-psud.fr/epc/conservation/pages/Franck/vulgarisation7.html

Presse écrite

- Articles de presse Scientifique: *The Conversation*, *Pour la Science*, *Science & Vie*, *Science & Avenir*, *Science et Vie Junior*, *InfoScience*, *La Recherche*, *New Scientist, National Geographic*, *Scientific American, …*
- Reprises presse Nationale : *Le Monde, Libération*, *Le Figaro*, *La Croix*, *Santé Magazine*, *L'Express, Sud Ouest, ...*
- Nombreuses reprises presse Internationale et reprise Internet.
- Livres: « *L'écologie pour les nuls* ». 2009. Editions First, 426 pages ;
  « La Biodiversité, comprendre pour mieux agir ». 2010. Edition Les petits débrouillards. 80p.
- Bande Dessinée : la guerre des fourmis. 2019. Edition Equateur et www.laguerredesfourmis.com ~400 000 vues.
- Certains articles très lus (ex, *The Conservation*, > 1 million lecteurs).

RESPONSABILITES COLLECTIVES

- Supervision de 21 chercheurs postdoctoraux et de 10 thèses
- Membre de l'Académie des Sciences Européenne (*Academia Europae*, 2014- présent).
- Membre expert de l'*Invasive Species Specialist Group* de l'IUCN.
- Auteur de rapports intergouvernementaux (CBD-GBO4, IPPC5, IPBES1, IPBES-IAS)
- Membre de l'Editorial Board de *Ecological Research* (2004-présent), *Ecology Letters* (2009-présent), *International Journal of Biodiversity* (2012-2019) et *PLoS One* (2014-présent).
- Rapporteur régulier pour >30 revues internationales depuis 1997 (*Am. Nat., Eco. Let., J. Anim. Ecol., Nature, PNAS, Proc. Roy. Soc. Lond., B, Science, TREE, PLoS Biology*….), pour des thèses et HDR et pour des projets de recherche (ANR, ASAB, ECOS, IFB, IPEV, …) en France et à l'étranger,
- Membre Commissions de Spécialistes (Section 67-68, Paris XI, 2004-2007, Tours, suppléant, 2001-2003, Paris VI, suppléant, 2001-2002), du Comité National du CNRS (section 29, mandat 2004-2008), de la CSS3 de l'IRD (2012-2015), du Comité Scientifique du Climate Initiative Program de la Fondation BNP Paribas (2016-2022), de l'EcoPanel de l'Académie des Sciences de Finlande (selon les années, 2009-2016) et de la Fondation La Caixa pour la Recherche (2023).
- Membre du Comité Scientifique de la Fondation pour la Recherche sur la Biodiversité (2009-2013).
- Chef d'équipe « Ecologie des Populations et Communautés » (2008-2009) et « Biodiversity Dynamics & Macroecology » (2020-présent) de l'UMR 8079.
- Membre du Comité Scientifique du CESAB (2010-2011).
- Chargé de Mission CNRS à l'INEE pour la Biodiversité (2009-2010), (2018-2020).
- Membre du Comité Scientifique du WWF France (2011-2013).
- Membre du Comité National de Biodiversité (représentant le CNRS ; 2017-2020)
- Membre du Groupe d'appui et d'expertise de la Formation à la Transition Écologique des 25000 Hauts Fonctionnaires, puis de 5,7 millions de fonctionnaires Français
- Membre du Comité de la Formation à la Transition Écologique des 5000 personnels de Radio France

FINANCEMENTS, PRIX & DISTINCTIONS

- Obtention et gestion de 17 contrats majeurs pour un total de plus de 6,3 millions d'€ depuis 2001.
- Trois articles recommandés par *Faculty of 1000*.
- Prix Southwood 2000 du meilleur article d'un jeune chercheur (*British Ecological Society*).
- Bourse Fulbright Chercheur 2014.
- Médaille d'Argent CNRS, 2011.
- Highly Cited Scientists 2020-2023 (1% des scientifiques les plus cités de leur domaine – Web of Science).
- Chevalier de l'Ordre National du Mérite, 2021.
- Grand Prix de la SFE^2 (Société Française d'Ecologie et d'Evolution), 2023.

En vert, les livres ou chapitre de livres - En bleu, quelques informations supplémentaires
Fichiers Pdf disponibles ici: https://www.biodiversitydynamics.fr/publications/

220 – Bernery C., Céline Bellard, **Franck Courchamp,** Sébastien Brosse, Boris Leroy. 2024. A global analysis of the introduction pathways and characteristics associated with non-native fish species introduction, establishment, and impacts. *Ecological Processes*. https://doi.org/10.1186/s13717-024-00495-8

219 – Daniel Simberloff, Alejandro Bortolus, James T. Carlton, Franck Courchamp, Ross N. Cuthbert, Philip E. Hulme, Julie L. Lockwood, Laura A. Meyerson, Martín A. Nuñez, Anthony Ricciardi, David M. Richardson and Evangelina Schwindt. 2024. Systematic and persistent bias against invasion science: Framing conservation scientists. *BioScience*. https://doi.org/10.1093/biosci/biae029

218 – Corey J. A. Bradshaw, Philip E. Hulme, Emma J. Hudgins, Brian Leunge, Melina Kourantidou, Pierre Courtois, Anna J. Turbelin, Shana M. McDermott, Katherine Lee, Danish A. Ahmed, Guillaume Latombe, Alok Bang, Thomas W. Bodey, Phillip J. Haubrockm, Frédérik Saltré, **Franck Courchamp**. 2024. Damage costs from invasive species exceed management expenditure in nations experiencing lower economic activity. *Ecological Economics*. https://doi.org/10.1016/j.ecolecon.2024.108166

217 – Laís Carneiro, Philip E Hulme, Ross N Cuthbert, Melina Kourantidou, Alok Bang, Phillip J Haubrock, Corey J A Bradshaw, Paride Balzani, Sven Bacher, Guillaume Latombe, Thomas W Bodey, Anna F Probert, Claudio S Quilodrán, **Franck Courchamp**. 2024. Benefits do not balance costs of biological invasions, *BioScience*, biae010, https://doi.org/10.1093/biosci/biae010

216 – Gustavo Heringer, Romina D Fernandez, Alok Bang, Marion Cordonnier, Ana Novoa, , Bernd Lenzner, César Capinha, David Renault, David Roiz, Desika Moodley, Elena Tricarico, Kathrin Holenstein, Melina Kourantidou, Natalia I. Kirichenko, José Ricardo Pires Adelino, Romina D. Dimarco, Thomas W. Bodey, Yuya Watari, **Franck Courchamp**. 2024. Economic costs of invasive non-native species in urban areas: An underexplored financial drain. *Science of the Total Environment*, pp.170336. https://doi.org/10.1016/j.scitotenv.2024.170336.

215 – Richard Ladle, Fernanda Martins, Ana Malhado, Victoria Reyes-García, **Franck Courchamp**, Enrico Di Minin, Uri Roll, Ivan Jarić and Ricardo Correia. 2023. Biocultural aspects of species extinctions. *Cambridge Prisms: Extinction*. 1. 1-21. https://doi.org/10.1017/ext.2023.20.

214 – Thomas Evans , Elena Angulo, Corey J. A. Bradshaw, Anna Turbelin and **Franck Courchamp**. 2023. Global economic costs of alien birds. *PLos One*. https://doi.org/10.1371/journal.pone.0292854

213 – Frédéric Darriet, Olivier Chabrerie, Jonathan Lenoir, **Franck Courchamp**, Cecilia Claeys, Vincent Robert, Frédéric Jourdain, Romain Ulmer, Christophe Diagne, Diego Ayala, Frédéric Simard, Serge Morand, Ross N. Cuthbert and David Renault. 2023. Invasive hematophagous arthropods and associated diseases in a changing world. *Parasites & Vectors*. 16:1.

212 – Danish A. Ahmed, Phillip J Haubrock, Ross N Cuthbert, Alok Bang, Ismael Soto, Paride Balzani, Ali Serhan Tarkan, Rafael L Macêdo, Laís Carneiro, Thomas W Bodey, Francisco J Oficialdegui, Pierre Courtois, Melina Kourantidou, Elena Angulo, Gustavo Heringer, David Renault, Anna J Turbelin, Emma J Hudgins, Chunlong Liu, Showkat A Gojery, Ugo Arbieu, Christophe Diagne, Boris Leroy, Elizabeta Briski, Corey J A Bradshaw and **Franck Courchamp**. 2023. Recent advances in availability and synthesis of the economic costs of biological invasions, *BioScience*, https://doi.org/10.1093/biosci/biad060

211 – Ivan Jarić, Iran C. Normande, Ugo Arbieu, **Franck Courchamp** , Sarah L. Crowley, Jonathan M. Jeschke, Uri Roll, Kate Sherren, Laura Thomas-Walters, Diogo Veríssimo, Richard J. Ladle. 2023. Flagship individuals in biodiversity conservation. *Frontiers in Ecology and the Environment*. 22(1), e2599. https://doi.org /10.1002/fee.2599.

210 – Ivan Jarić, Ricardo A Correia, Marino Bonaiuto, Barry W Brook, **Franck Courchamp**, Josh A Firth, Kevin J Gaston, Tina Heger, Jonathan M Jeschke, Richard J Ladle, Yves Meinard, David L Roberts, Kate Sherren, Masashi Soga, Andrea Soriano-Redondo, Diogo Veríssimo, and Uri Roll. 2023. Transience of public attention in conservation science. *Frontiers in Ecology and the Environment* doi:10.1002/fee.2598

209 – Morgane Henry, Brian Leung, Ross N. Cuthbert, Thomas W. Bodey, Danish A. Ahmed, Elena Angulo, Paride Balzani, Elizabeta Briski, **Franck Courchamp**, Philip E. Hulme, Antonín Kouba, Melina Kourantidou, Chunlong Liu, Rafael L. Macêdo, Francisco J. Oficialdegui, David Renault, Ismael Soto, Ali Serhan Tarkan, Anna J. Turbelin, Corey J. A. Bradshaw & Phillip J. Haubrock 2023. Unveiling the hidden economic toll of biological invasions in the European Union. *Environmental Sciences Europe*. 35/43. https://doi.org/10.1186/s12302-023-00750-3

208 – Romina D. Fernandez, Phillip J. Haubrock, Ross N. Cuthbert, Gustavo Heringer, Melina Kourantidou, Emma J. Hudgins, Elena Angulo, Christophe A. Diagne, **Franck Courchamp** & Martin A. Nuñez. 2023. Underexplored and growing economic costs of invasive alien trees. *Scientific Reports* 13, 8945. https://doi.org/10.1038/s41598-023-35802-4

207 – Anna J. Turbelin, Ross N. Cuthbert, Franz Essl, Phillip J. Haubrock, Anthony Ricciardi, **Franck Courchamp**. 2023. Biological invasions are as costly as natural hazards. *Perspectives in Ecology and Conservation*. 21/2 : pp. 143-150, https://doi.org/10.1016/j.pecon.2023.03.002.

206 – Emma J. Hudgins, Ross N. Cuthbert, Phillip J. Haubrock, Nigel G. Taylor, Melina Kourantidou, Dat Nguyen, Alok Bang, Anna J. Turbelin, Desika Moodley, Elizabeta Briski, Syrmalenia G. Kotronaki & **Franck Courchamp**. 2023. Unevenly distributed biological invasion costs among origin and recipient regions. *Nature Sustainability*. https://doi.org/10.1038/s41893-023-01124-6

205 – Christophe Diagne, Liliana Ballesteros-Mejia, Ross N. Cuthbert, Thomas W. Bodey, Jean Fantle-Lepczyk, Elena Angulo, Alok Bang, Gauthier Dobigny, **Franck Courchamp**. 2023. Economic costs of invasive rodents worldwide: the tip of the iceberg. PeerJ 11:e14935 https://doi.org/10.7717/peerj.14935

204 – Tom Evans, Elena Angulo, Christophe Diagne, Sabrina Kumschick, Çağan H. Şekercioğlu, Anna Turbelin, & **Franck Courchamp**. 2023. Identifying links between the biodiversity impacts and monetary costs of alien birds. *People and Nature*, 00, 1–16. https://doi.org/10.1002/pan3.10521

203 – Fabrice Requier, Alice Fournier, Sophie Pointeau, Quentin Rome, **Franck Courchamp**. 2023. Economic costs of the invasive Yellow-legged hornet on honey bees. *Science of the Total Environment.* 898 : 165576. https://doi.org/10.1016/j.scitotenv.2023.165576

202 –Camille Bernery, Céline Bellard, Franck Courchamp, Sébastien Brosse, Rodolphe E. Gozlan, Ivan Jarić, Fabrice Teletchea, Boris Leroy. 2022. Freshwater Fish Invasions: A Comprehensive Review. *Annual Review of Ecology, Evolution, and Systematics.* 53:1, 427-456. https://doi.org/10.1146/annurev-ecolsys-032522-015551

201 – Ismael Soto, Ross N. Cuthbert, Antonín Kouba, César Capinha, Anna Turbelin, Emma J. Hudgins, Christophe Diagne, **Franck Courchamp** & Phillip J. Haubrock. 2022. Global economic costs of herpetofauna invasions. *Scientific Reports* 12, 10829. https://doi.org/10.1038/s41598-022-15079-9

200 –Martin Philippe-Lesaffre, Martin Thibault, Stephane Caut, Karen Bourgeois, Tristan Berr, Andreas Ravache, Eric Vidal, **Franck Courchamp**, Elsa Bonnaud. 2023. Recovery of insular seabird populations years after rodent eradication. *Conservation Biology*. e14042. https://doi.org/10.1111/cobi.14042.

199 – Thomas W Bodey, Elena Angulo, Alok Bang, Céline Bellard, Jean Fantle-Lepczyk, Bernd Lenzner, Anna Turbelin, Yuya Watari, **Franck Courchamp**. 2022. Economic costs of protecting islands from invasive alien species. *Conservation Biology*. e14034. https://doi.org/10.1111/cobi.14034

198 – Melina Kourantidou, Laura N.H. Verbrugge, Phillip J. Haubrock, Ross N. Cuthbert, Elena Angulo, Inkeri Ahonen, Michelle Cleary, Jannike Falk-Andersson, Lena Granhag, Sindri Gíslason, Brooks Kaiser, Anna-Kaisa Kosenius, Henrik Lange, Maiju Lehtiniemi, Kristin Magnussen, Ståle Navrud, Petri Nummi, Francisco J. Oficialdegui, Satu Ramula, Terhi Ryttäri, Menja von Schmalensee, Robert A. Stefansson, Christophe Diagne, **Franck Courchamp**. 2022. The economic costs, management and regulation of biological invasions in the Nordic countries. *Journal of Environmental Management*. 324 : 116374. https://doi.org/10.1016/j.jenvman.2022.116374.

197 – Céline Bellard, Clara Marino & **Franck Courchamp**. 2022. Ranking threats to biodiversity and why it doesn't matter. *Nature Communications*, https://doi.org/10.1038/s41467-022-30339-y0

196 – Camille Bernery, Léo Lusardi, Clara Marino,Martin Philippe-Lesaffre, Elena Angulo, Elsa Bonnaud, Loreleï Guéry, Eléna Manfrini, Anna Turbelin, Céline Albert, Ugo Arbieu & **Franck Courchamp**. 2022. Highlighting the positive aspects of being a PhD student. *eLife*. 11:e81075. https://doi.org/10.7554/eLife.81075

195 – Guillaume Latombe, Hanno Seebens, Bernd Lenzner, **Franck Courchamp**, Stefan Dullinger, Marina Golivets, Wayne Dawson, Dietmar Moser, Ingolf Kühn, Brian Leung, Núria Roura-Pascual, Emma Cebrian, Christophe Diagne, Jonathan M. Jeschke, Cristian Pérez-Granados, Anna Turbelin, Piero Visconti & Franz Essl. 2022. Capacity of countries to reduce biological invasions. *Sustainability Science*. https://doi.org/10.1007/s11625-022-01166-3

194 – Thomas W. Bodey, Zachary T. Carter, Phillip J. Haubrock, Ross N. Cuthbert, Melissa J. Welsh, Christophe Diagne & **Franck Courchamp**. 2022. Building a synthesis of economic costs of biological invasions in New Zealand. *PeerJ*. https://doi.org/10.7717/peerj.13580.

193 – Anne-Charlotte Vaissière, Pierre Courtois, **Franck Courchamp**, Melina Kourantidou, Christophe Diagne, Franz Essl, Natalia Kirichenko, Melissa Welsh & Jean-Michel Salles. 2022. The costs of nature and the nature of costs: understanding the economic impacts of biological invasions. *Biological Invasions*. https://doi.org/10.1007/s10530-022-02837-z.

192 – Anna J. Turbelin, Christophe Diagne, Emma J. Hudgins, Desika Moodley, Melina Kourantidou, Ana Novoa, Philip J. Haubrock, Camille Bernery, Rodolphe E. Gozlan, Robert A. Francis & **Franck Courchamp**. 2022. Introduction pathways of economically costly invasive alien pathways. *Biological Invasions*. https://doi.org/10.1007/s10530-022-02796-5.

191 – David Renault, Elena Angulo, Ross N. Cuthbert, Phillip J. Haubrock, César Capinha, Alok Bang, Andrew M. Kramer & **Franck Courchamp**. 2022. The magnitude, diversity, and distribution of the economic costs of invasive terrestrial invertebrates worldwide. *Science of the Total Environment.* https://doi.org/10.1016/j.scitotenv.2022.155391

190 – Ivan Jarić, Uri Roll, Marino Bonaiuto, Barry W. Brook, **Franck Courchamp**, Josh A. Firth, Kevin J. Gaston, Tina Heger, Jonathan M. Jeschke, Richard J. Ladle, Yves Meinard, David L. Roberts, Kate Sherren, Masashi Soga, Andrea Soriano-Redondo, Diogo Veríssimo, Ricardo A. Correia. 2022. Societal extinction of species. *Trends in Ecology and Evolution.* 37/5: 411-419. https://doi.org/10.1016/j.tree.2021.12.011.

189 – Alok Bang, Ross N. Cuthbert, Phillip J. Haubrock, Romina D. Fernandez, Desika Moodley, Christophe Diagne, Anna J. Turbelin, David Renault, Tatenda Dalu & **Franck Courchamp**. 2022. Massive economic costs of biological invasions despite widespread knowledge gaps: a dual setback for India. *Biological Invasions*. doi: s10530-022-02780-z

188 – Phillip J. Haubrock, Ross N Cuthbert, Anthony Ricciardi, Christophe Diagne, **Franck Courchamp**. 2022. bivalves. Economic costs of invasive bivalves in freshwater ecosystems. *Diversity and Distributions*. https://doi.org /10.1111/ddi.13501

187 – Chunlong Liu, Christian Wolter, **Franck Courchamp**, Núria Roura-Pascual and Jonathan M. Jeschke. 2022. Biological invasions reveal how niche change affects the transferability of species distribution models. *Ecology*. https://doi.org/10.1002/ecy.3719.

186 – Elena Angulo, Benjamin D Hoffmann, Liliana Ballesteros-Mejia, Ahmed Taheri, Paride Balzani, David Renault, Marion Cordonnier, Céline Bellard, Christophe Diagne, Danish A Ahmed, Yuya Watari, **Franck Courchamp**. 2022. Economic costs of invasive alien ants worldwide. *Biological Invasions*. https://doi.org/10.1007/s10530-022-02791-w

185 – Ahmed, D.A., Hudgins, E.J., Cuthbert, R.N.†, Kourantidou, M., Diagne, C., Haubrock, P.J., Leung, B., Liu, C., Leroy, B., Petrovskii, S., Beidas, A., **Courchamp, F**. 2022. Managing biological invasions: the cost of inaction. *Biological Invasions*. 10.1007/s10530-022-02755-0

184 – Phillip J. Haubrock, Ross N. Cuthbert, Emma J. Hudgins, Robert Crystal-Ornelas, Melina Kourantidou, Desika Moodley, Chunlong Liu, Anna J. Turbelin, Boris Leroy, **Franck Courchamp**. 2022. Geographic and taxonomic trends of rising biological invasion costs. *Science of The Total Environment*. Vol 817, https://doi.org/10.1016/j.scitotenv.2022.152948.

183 – Ross N. Cuthbert, Christophe Diagne, Emma J. Hudgins, Anna Turbelin, Danish A. Ahmed, Céline Albert, Thomas W. Bodey, Elizabeta Briski, Franz Essl, Phillip J. Haubrock, Rodolphe E. Gozlan, Natalia Kirichenko, Melina Kourantidou, Andrew M. Kramer, **Franck Courchamp**. 2022. Biological invasion costs reveal insufficient proactive management worldwide. *Science of The Total Environment*. https://doi.org/10.1016/j.scitotenv.2022.153404.

182 – Boris Leroy, Andrew M. Kramer, Anne-Charlotte Vaissière, **Franck Courchamp**, Christophe Diagne. 2022. Analysing global economic costs of invasive alien species with the invacost R package. *Methods in Ecology and Evolution*. https://doi.org/10.1111/2041-210X.13929

181 – Desika Moodley, Elena Angulo, Ross N. Cuthbert, Brian Leung, Anna Turbelin, Ana Novoa, Melina Kourantidou, Gustavo Heringer, Phillip J. Haubrock, David Renault, Marine Robuchon, Jean Fantle-Lepczyk, **Franck Courchamp**, Christophe Diagne. 2022. Economic costs of biological invasions in protected areas worldwide - where do we stand? *Biological Invasions*. 10.21203/rs.3.rs-289130/v1

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**contribution équivalente*