

# FRANCK COURCHAMP

## DYNAMIQUE DES POPULATIONS ET BIOLOGIE DE LA CONSERVATION

### FORMATION

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- 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 1<sup>er</sup> 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 Institution of 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

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- >180 publications dans des revues à comité de lecture. >24 000 citations ([Google Scholar](#)), h=62
- 1 monographie scientifique (avec deux co-auteurs), trois livres de vulgarisation, 7 chapitres de livres
- 71 conférences internationales dont 42 invitées

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

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- Vodice, Croatia** (2020) *11<sup>th</sup> International Conference on Biological Invasions*  
**Warsaw, Poland** (2019) *8<sup>th</sup> European Congress of Mammalogy*  
**Vilnius, Lithuania** (2019) *34<sup>th</sup> 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) *10<sup>th</sup> European Vertebrate Pest Management Conference*  
**Quito, Equator** (2015) *La biodiversidad frente al cambio climático / COP21*  
**Cairns, Australia** (2014) *IUSSI International Congress*  
**London, England** (2013) *11<sup>th</sup> INTECOL Congress*  
**Bialowieza, Poland** (2012) *"Invasive species – threat and management" International Workshop*  
**Tokyo, Japon** (2011) *5<sup>th</sup> Japanese-French Frontiers of Science symposium*  
**Bialowieza, Poland** (2010) *BIOSEB, M. Curie European Summer Schools in Ecology & Biodiv.*  
**Moscou, Russia** (2009) *Cycle International de Conf. Scientifiques (3 villes de Russie)*  
**Tokyo, Japan** (2009) *Int'l 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) *5<sup>th</sup> Nessling Environment Symposium*  
**York, England** (2006) *IUCN workshop «vertebrate predators on islands»*  
**Londres, England** (2006) *Mammal Society Symp.: 'Invasion ecology'*  
**Okazaki, Japan** (2006) *OBC Conference, Biology of Extinctions*  
**Sapporo, Japan** (2005) *9<sup>th</sup> International Mammalogy Conference*  
**Okazaki, Japan** (2004) *OBC Conference, Biology of Extinctions. Okazaki*  
**Oxford, England** (2001) *Canid Conservation Conference*

## ACTIVITÉS D'ENSEIGNEMENT

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- Création et responsabilité des UE M2R « *Ecology in English* » (2004 – 2010) et « *Biologie de la Conservation* » (2004-2006).
- Encadrement d'étudiants (>90) 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 1<sup>er</sup> et 2<sup>nd</sup> 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 1<sup>er</sup>, 2<sup>ème</sup> et 3<sup>ème</sup> cycles

## ACTIVITES DE VULGARISATION

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### 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](http://www.laguerredesfourmis.com) ~400 000 vues.
- Certains articles très lus (ex, *The Conservation*, > 1 million lecteurs).

## RESPONSABILITES COLLECTIVES

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- 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 (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 (2016-2019) et de l'EcoPanel de l'Académie des Sciences de Finlande (selon les années, 2009-présent)
- 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-présent)

## FINANCEMENTS, PRIX & DISTINCTIONS

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- 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*.
- Highly Cited Scientists (0.1% des scientifiques les plus cités de leur domaine – Web of Science).
- Chevalier de l'Ordre National du Mérite, 2021.
- Bourse Fulbright Chercheur 2014.
- Médaille d'Argent CNRS, 2011.
- Prix Southwood 2000 du meilleur article d'un jeune chercheur (*British Ecological Society*).

En vert, les livres ou chapitre de livres - En bleu, quelques informations supplémentaires

Fichiers Pdf disponibles ici: <https://www.biodiversitydynamics.fr/publications/>

- 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. 2002. bivalves. Economic costs of invasive bivalves in freshwater ecosystems. *Diversity and Distributions*. <https://doi-org.inee.bib.cnrs.fr/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*. *In press*.
- 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*. *In press*. 10.21203/rs.3.rs-346306/v1
- 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*, in press. *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/10.1101/2020.12.10.419432>
- 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
- 180 – Melina Kourantidou, Phillip J. Haubrock, Ross N. Cuthbert, Thomas W. Bodey, Bernd Lenzner, Rodolphe E. Gozlan, Martin A. Nuñez, Jean-Michel Salles, Christophe Diagne, **Franck Courchamp**. 2022. Invasive alien species as simultaneous benefits and burdens: trends, stakeholder perceptions and management. *Biological Invasions*. <https://doi.org/10.1007/s10530-021-02727-w>
- 179 – Castañeda Irene, Bonnaud Elsa, **Courchamp Franck**, Luque Gloria. 2021. Influence of number of queens on nest establishment for two polygynous ant species. *Animals*. 11, 591. doi: [10.3390/ani11030591](https://doi.org/10.3390/ani11030591)
- 178 – Antonín Kouba, Francisco J Oficialdegui, Ross N Cuthbert, Melina Kourantidou, Josie South, Elena Tricarico, Rodolphe E Gozlan, **Franck Courchamp**, Phillip J Haubrock. 2021. Identifying economic costs and knowledge gaps of invasive aquatic crustaceans. *Science of the Total Environment*. <http://dx.doi.org/10.1016/j.scitotenv.2021.152325>
- 177 – Jean E. Fantle-Lepczyk, Phillip J. Haubrock, Andrew M. Kramer, Ross N. Cuthbert, Anna J. Turbelin, Robert Crystal-Ornelas, Christophe Diagne, **Franck Courchamp**. 2021. Economic costs of biological invasions in the United States. *Science of the Total Environment*. <https://doi.org/10.1101/2021.07.02.450757>.

- 176 – Christophe Diagne C, Boris Leroy, Anne-Charlotte Vaissière, Rodolphe E Gozlan, David Roiz, Ivan Jarić, Jean-Michel Salles, Corey JA Bradshaw, **Franck Courchamp**. 2021. High and rising economic costs of biological invasions worldwide. *Nature*. 592: 571–576. [10.1038/s41586-021-03405-6](https://doi.org/10.1038/s41586-021-03405-6).
- 175 – Kwek Yan Chong, Richard T. Corlett, Martin A. Nuñez, Jing Hua Chiu, **Franck Courchamp**, Wayne Dawson, Sara Kuebbing, Andrew M. Liebhold, Michael Padmanaba, Lara Souza, Kelly M. Andersen, Songlin Fei, Benjamin P.Y.-H. Lee, Shawn Lum, Matthew S. Luskin, Kang Min Ngo, David A. Wardle. 2021. Are Terrestrial Biological Invasions Different in the Tropics? *Annual Review of Ecology, Evolution, and Systematics* 2021 52:1
- 174 – Phillip J. Haubrock, Camille Bernery, Ross N. Cuthbert, Chunlong Liu, Melina Kourantidou, Boris Leroy, Anna J. Turbelin, Andrew M. Kramer, Laura N.H. Verbrugge, Christophe Diagne, **Franck Courchamp**, Rodolphe E. Gozlan. 2021. Knowledge gaps in economic costs of invasive alien fish worldwide. *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2021.149875>
- 173 – Ahmed, D.A., Hudgins, E.J., Cuthbert, R.N., Phillip J. Haubrock, David Renault, Elsa Bonnaud, Christophe Diagne & **Franck Courchamp**. 2021. Modelling the damage costs of invasive alien species. *Biological Invasions*. <https://doi.org/10.1007/s10530-021-02586-5>
- 172 – Ross N. Cuthbert, Zarah Pattison, Nigel G. Taylor, Laura Verbrugge, Christophe Diagne, Danish A. Ahmed, Boris Leroy, Elena Angulo, Elizabeta Briski, César Capinha, Jane A. Catford, Tatenda Dalu, Franz Essl, Rodolphe E. Gozlan, Phillip J. Haubrock, Melina Kourantidou, Andrew M. Kramer, David Renault, Ryan J. Wasserman, **Franck Courchamp**. 2021. Global economic costs of aquatic invasive alien species. *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2021.145238>.
- 171 – Ross N. Cuthbert, Christophe Diagne, Phillip J. Haubrock, Anna Turbelin, **Franck Courchamp**. 2021. Are the “100 of the world’s worst” invasive species also the costliest? *Biological Invasions*. <https://doi.org/10.1007/s10530-021-02568-7>.
- 170 – Elena Angulo, Christophe Diagne, Liliana Ballesteros-Mejía, Tasnime Adamjy, Danish A., Ahmed, Evgeny Akulov, Achyut K. Banerjee, César Capinha, Cheikh A. K. M. Dia, Gauthier Dobigny, Virginia G. Duboscq-Carra, Marina Golivets, Phillip J. Haubrock, Martin A. Nuñez, David Renault, Yuya Watari, Gustavo Heringer, Natalia Kirichenko, Melina Kourantidou, Chunlong Liu, David Roiz, Ahmed Taheri, Laura Verbrugge, Wen Xiong, **Franck Courchamp**. 2021. Non-English languages enrich scientific knowledge: the example of economic costs of biological invasions. *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2020.144441>.
- 169 – Yuya Watari, Hirotaka Komine, Elena Angulo, Christophe Diagne, Liliana Ballesteros Mejia, Franck Courchamp. 2021. First synthesis of economic costs of biological invasions in Japan. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67 : 79-101. doi:10.3897/neobiota.67.59186
- 168 – Axel Eduardo Rico-Sánchez, Phillip J. Haubrock, Ross N. Cuthbert, Elena Angulo, Liliana Ballesteros-Mejia, Eugenia López-López, Virginia G. Duboscq-Carra, Martín A. Nuñez, Christophe Diagne, Franck Courchamp. 2021. Economic costs of invasive alien species in Mexico. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67 : 459-484. doi:10.3897/neobiota.67.63846
- 167 – Phillip J. Haubrock, Ross N. Cuthbert, Darren C. J. Yeo, Achyut Kumar Banerjee, Chunlong Liu, Christophe Diagne, Franck Courchamp. 2021. Biological invasions in Singapore and Southeast Asia: data gaps fail to mask potentially massive economic costs. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67 : 131-152. doi:10.3897/neobiota.67.64560
- 166 – Virginia G. Duboscq-Carra, Romina D. Fernandez, Phillip J. Haubrock, Romina D. Dimarco, Elena Angulo, Liliana Ballesteros-Mejia, Christophe Diagne, Franck Courchamp, Martin A. Nuñez. 2021. Economic impact of invasive alien species in Argentina: a first national synthesis. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67 : 329-348. doi:10.3897/neobiota.67.63208
- 165 – José Ricardo Pires Adelino, Gustavo Heringer, Christophe Diagne, Franck Courchamp, Lucas Del Bianco Faria, Rafael Dudeque Zenni. 2021. The economic costs of biological invasions in Brazil: a first assessment. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67 : 349-374. doi:10.3897/neobiota.67.59185
- 164 – David Renault, Elena Manfrini, Boris Leroy, Christophe Diagne, Liliana Ballesteros-Mejia, Elena Angulo, Franck Courchamp. 2021. Biological invasions in France: Alarming costs and even more

alarming knowledge gaps. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67 : 191-224. doi:10.3897/neobiota.67.59134

- 163 – Liliana Ballesteros Mejia, Elena Angulo, Brian Cooke, Christophe Diagne, Martín Nuñez, **Franck Courchamp**. 2021. Economic costs of biological invasions in Ecuador: the importance of Galapagos Islands. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:375-400. doi:10.3897/neobiota.67.59116
- 162 – Ross N. Cuthbert, Angela Bartlett, Anna Turbelin, Phillip Haubrock, Christophe Diagne, Zarah Pattison, **Franck Courchamp**, Jane Catford. 2021. Economic costs of biological invasions in the United Kingdom. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:299-328. doi:10.3897/neobiota.67.59743
- 161 – Corey Bradshaw, Phillip Haubrock, Ross N. Cuthbert, Christophe Diagne, Boris Leroy, Lindell Andrews, Brad Page, Phill Cassey, Andrew Hoskins, **Franck Courchamp**. 2021. Comprehensive assessment of the economic costs of invasive species in Australia. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:511-550. doi:10.3897/neobiota.67.58834
- 160 – Chunlong Liu, Christophe Diagne, Elena Angulo, Achyut Kumar Banerjee, Yifeng Chen, Ross N. Cuthbert, Phillip Haubrock, Natalia Kirichenko, Zarah Pattison, Yuya Watari, Wen Xiong, **Franck Courchamp**. 2021. Economic costs of biological invasions in Asia. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:53-78. doi:10.3897/neobiota.67.58147
- 159 – Phillip J. Haubrock, Ross N. Cuthbert, Elena Tricarico, Christophe Diagne, Rudolphe Gozlan, **Franck Courchamp**. 2021. The economic costs of alien invasive species in Italy. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:247-266. doi:10.3897/neobiota.67.57747
- 158 – Natalia Kirichenko, Phillip Haubrock, Ross N. Cuthbert, Evgeniy Akulov, Elena Karimova, Yuri Shneider, Chunlong Liu, Elena Angulo, Christophe Diagne, **Franck Courchamp**. 2021. Economic costs of biological invasions in terrestrial ecosystems in Russia. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:103-130. doi:10.3897/neobiota.67.58529
- 157 – Melina Kourantidou, Ross N. Cuthbert, Phillip Haubrock, Ana Novoa, Nigel Taylor, Boris Leroy, Cesar Capinha, David Renault, Elena Angulo, Christophe Diagne, **Franck Courchamp**. 2021. Economic costs of invasive alien species in the Mediterranean basin. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:427-458. doi:10.3897/neobiota.67.58926
- 156 – Christophe Diagne, Anna Turbelin, Desika Moodley, Ana Novoa, Boris Leroy, Elena Angulo, Tasnime Adamjy, Cheikh Abdou Khadre Mbacké DIA, Ahmed Taheri, Justice Tambo, Gauthier Dobigny, **Franck Courchamp**. 2021. The economic costs of biological invasions in Africa: a growing but neglected threat? *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:11-51. doi:10.3897/neobiota.67.59132
- 155 – Phillip Haubrock, Ross N. Cuthbert, Andrea Sundermann, Christophe Diagne, Marina Golivets, **Franck Courchamp**. 2021. Economic costs of invasive species in Germany. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:225-246. doi:10.3897/neobiota.67.59502
- 154 – Gustavo Heringer, Elena Angulo, Liliana Ballesteros-Mejia, César Capinha, **Franck Courchamp**, Christophe Diagne, Virginia Duboscq-Carra, Martín Nuñez, Rafael Zenni. 2021. The economic costs of biological invasions in Central and South America: a first regional assessment. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:401-426. doi:10.3897/neobiota.67.59193
- 153 – Elena Angulo, Liliana Ballesteros Mejia, Ana Novoa, Virginia Duboscq-Carra, Christophe Diagne, **Franck Courchamp**. 2021. Economic costs of invasive alien species in Spain. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:267-297. doi:10.3897/neobiota.67.59181
- 152 – Robert Crystal-Ornelas, Emma Hudgins, Ross N. Cuthbert, Phillip Haubrock, Jean Fantle-Lepczyk, Elena Angulo, Andrew Kramer, Liliana Ballesteros-Mejia, Boris Leroy, Brian Leung, Eugenia López-López, Christophe Diagne, **Franck Courchamp**. 2021. Economic costs of biological invasions within North America. *NeoBiota*. Special Issue “*economic costs of invasive alien species worldwide*”. 67:485-510. doi:10.3897/neobiota.67.58038
- 151 – Phillip Haubrock, Anna Turbelin, Ross N. Cuthbert, Ana Novoa, Nigel Taylor, Elena Angulo, Liliana Ballesteros Mejia, Thomas Bodey, César Capinha, Christophe Diagne, Franz Essl, Marina Golivets, Natalia Kirichenko, Melina Kourantidou, Boris Leroy, David Renault, Laura Verbrugge, **Franck**



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\*contribution équivalente