

**LETTER FROM SCIENTISTS TO THE EU PARLIAMENT REGARDING
FOREST BIOMASS**
(updated January 14, 2018)

To Members of the European Parliament,

As the European Parliament commendably moves to expand the renewable energy directive, we strongly urge members of Parliament to amend the present directive to avoid expansive harm to the world's forests and the acceleration of climate change. The flaw in the directive lies in provisions that would let countries, power plants and factories claim credit toward renewable energy targets for deliberately cutting down trees to burn them for energy. The solution should be to restrict the forest biomass eligible under the directive to residues and wastes.

For decades, European producers of paper and timber products have generated electricity and heat as beneficial by-products using wood wastes and limited forest residues. Since most of these waste materials would decompose and release carbon dioxide within a few years, using them to displace fossil fuels can reduce net carbon dioxide emissions to the atmosphere in a few years as well. By contrast, cutting down trees for bioenergy releases carbon that would otherwise stay locked up in forests, and diverting wood otherwise used for wood products will cause more cutting elsewhere to replace them.

Even if forests are allowed to regrow, using wood deliberately harvested for burning will increase carbon in the atmosphere and warming for decades to centuries – as many studies have shown – even when wood replaces coal, oil or natural gas. The reasons are fundamental and occur regardless of whether forest management is “sustainable.” Burning wood is inefficient and therefore emits far more carbon than burning fossil fuels for each kilowatt hour of electricity produced. Harvesting wood also properly leaves some biomass behind to protect soils, such as roots and small branches, which decompose and emit carbon. The result is a large “carbon debt.” Re-growing trees and displacement of fossil fuels may eventually pay off this “carbon debt” but only over long periods. Overall, allowing the harvest and burning of wood under the directive will transform large reductions otherwise achieved through solar and wind into large increases in carbon in the atmosphere by 2050.

Time matters. Placing an additional carbon load in the atmosphere for decades means permanent damages due to more rapid melting of glaciers and thawing of permafrost, and more packing of heat and acidity into the world's oceans. At a critical moment when countries need to be “buying time” against climate change, this approach amounts to “selling” the world's limited time to combat it.

The adverse implications not just for carbon but for global forests and biodiversity are also large. More than 100% of Europe's annual harvest of wood would be needed to supply just one third of the expanded renewable energy directive. Because demand for wood and paper will remain, the result will be increased degradation of forests around the world. The example Europe would set for other countries would be even more dangerous. Europe has been properly encouraging countries such as Indonesia and Brazil to protect their forests,

but the message of this directive is “cut your forests so long as someone burns them for energy.” Once countries invest in such efforts, fixing the error may become impossible. If the world moves to supply just an additional 3% of global energy with wood, it must double its commercial cuttings of the world’s forests.

By 1850, the use of wood for bioenergy helped drive the near deforestation of western Europe even when Europeans consumed far less energy than they do today. Although coal helped to save the forests of Europe, the solution to replacing coal is not to go back to burning forests, but instead to replace fossil fuels with low carbon sources, such as solar and wind. We urge European legislators to amend the present directive to restrict eligible forest biomass to appropriately defined residues and wastes because the fates of much of the world’s forests and the climate are literally at stake.

Initial signatories:

John Beddington, Professor, Oxford Martin School, former Chief Scientist to the government of the United Kingdom

Steven Berry, Professor, Yale University, former Chairman, Department of Economics, fellow American Academy of Arts and Sciences, winner of the Frisch Medal of the Econometric Society.

Ken Caldeira, Professor, Stanford University and Carnegie Institution for Science, Coordinating lead author or lead author of multiple IPCC reports.

Wolfgang Cramer, Research Director, CNRS, Mediterranean Institute of marine and terrestrial Biodiversity and Ecology, Aix-en-Provence, member Académie d'Agriculture de France, Coordinating lead author and lead author of multiple IPCC reports,

Felix Creutzig, Chair Sustainability Economics of Human Settlement at Technische Universität Berlin, Leader, leader Mercator Research Institute on Global Commons and Climate Change, Lead author of IPCC V Assessment Report and coordinator of appendix on bioenergy.

Phil Duffy, President, Woods Hole Research Center, former Senior Advisor White Office of Science and Technology Policy, Contributing author of multiple IPCC reports

Dan Kammen, Professor University of California at Berkeley, Director Renewable and Appropriate Energy Laboratory, Coordinating lead author or lead author of multiple IPCC reports.

Eric Lambin, Professor Université catholique de Louvain and Stanford University, member European and U.S. Academies of Science, 2014 laureate of Volvo Environment Prize

Simon Levin, Professor Princeton University, Recipient, U.S. National Medal of Science, member U.S. National Academy of Sciences

Wolfgang Lucht, Professor Humboldt University and Co-Chair of Potsdam Institute for Climate Research, lead author of multiple IPCC reports

Georgina Mace FRS, Professor, University College London, Lead author IPCC report and Winner International Cosmos Prize

William Moomaw, Emeritus Professor, Tufts University, Lead author of multiple IPCC reports

Peter Raven, Director Emeritus Missouri Botanical Society, Recipient U.S. National Medal of Science and former President of American Association for Advancement of Science

Tim Searchinger, Research Scholar, Princeton University and Senior Fellow, World Resources Institute

Nils Chr. Stenseth, Professor, University of Oslo, Past president of The Norwegian Academy of Science and Letters, member U.S. National Academy of Science, French Academy of Sciences, and Academia Europaea

Jean Pascal van Ypersele, Professor, Université catholique de Louvain, Former IPCC Vice-chair (2008- 2015), member of the Royal Academy of Belgium, lead author or review editor of multiple IPCC reports

Additional Signatories:

17. Andrew Balmford; Professor; University of Cambridge

18. Robert Socolow; Professor Emeritus; Princeton University

19. Richard Plevin; Research Scholar; UC Berkeley

20. Michael O'Hare; Professor; Univ. of California, Berkeley

21. Zuzana Burivalova; Post-Doctoral Fellow; Princeton University

22. Timothy Treuer; PhD Candidate; Princeton University

23. Greg Davies; PhD Candidate; Princeton University
24. Yixin Guo; PhD Candidate; Princeton University
25. Jonathan Colmer; Assistant Professor; University of Virginia
26. David S. Wilcove; Professor; Princeton University
27. Mayank Misra; PhD Candidate; Princeton University
28. Kasparas Spokas; PhD Candidate; Princeton University
29. Robert O. Keohane; Professor Emeritus; Princeton University
30. Yujing Yang; Masters; Princeton University
31. David S. Wilcove; Professor; Princeton University
32. Lian Pin Koh; Professor; University of Adelaide
33. Emily Lines; Research Scholar; Queen Mary, University of London
34. Eleanor Jackson; PhD Candidate; University of Exeter
35. Frederico Martins; Intern; UCL
36. SPECO - Sociedade Portuguesa de Ecologia; Non-governmental Association; SPECO
37. Maria Amélia Martins-Loução; Professor; Centre for Ecology, Evolution and Environmental Changes. FCULisboa
38. Bethany Bradley; Professor; University of Massachusetts, Amherst
39. Emily Chen; Masters; Princeton University
40. Mikaël Maes; PhD Candidate; University College London
41. Jessica Fisher; PhD Candidate; University of Kent
42. Thomas Evans; PhD Candidate; University College London (UCL)
43. Tatsiana Barychka; PhD Candidate; University College London
44. Jim Labisko; PhD; University College London
45. Roi Maor; PhD Candidate; Tel Aviv University
46. Mario Herrero; Professor; Commonwealth Scientific and Industrial Research Organisation
47. Zhongshu Li; PhD Candidate; Princeton University
48. Andy Jarvis; Professor; International Centre for Tropical Agriculture
49. Ricardo Rocha; Post-Doctoral Fellow; University of Cambridge
50. Marta Sampaio; Masters; CIBIO/InBIO; University of Porto
51. Frederico da Costa Santarém; PhD Candidate; University of Porto
52. James Russell Kemp; PhD Candidate; University of Lisbon
53. Jorge Palmeirim; Professor; University of Lisbon, Portugal
54. Paul Elsen; Post-Doctoral Fellow; University of California, Berkeley
55. Duarte V Goncalves; PhD Candidate; University of Porto
56. Daniel Burgas; Post-Doctoral Fellow; University of Helsinki
57. Hannah Cheales; Masters; University College London
58. Elizabeth Boakes; Post-Doctoral Fellow; UCL
59. Catarina Serra Goncalves; PhD Candidate; University of Tasmania - Institute of Marine & Antarctic Studies
60. Adria Lopez-Baucells; PhD Candidate; University of Lisbon
61. Christopher Crawford; PhD Candidate; Princeton University
62. Ryan Edwards; PhD Candidate; Princeton University
63. Meir Alkon; PhD Candidate; Princeton University
64. Aaron Match; PhD Candidate; Princeton University
65. Christoph Meyer; PhD; University of Salford
66. Thomas Hodson; PhD Candidate; Princeton University
67. Ching-Yao Lai; PhD Candidate; Princeton University
68. Tim Michiels; PhD Candidate; Princeton University
69. Teresa Silva; PhD Candidate; CIBIO - UP, Portugal
70. Elena Krieger; Research Program Director; Physicians, Scientists & Engineers for Healthy Energy
71. Cleo Chou; Post-Doctoral Fellow; Princeton University
72. Jonathan Green; Research Scholar; University of York
73. Tim Blackburn; Professor; UCL
74. Tiziano Gallo Cassarino; Research Scholar; University College London
75. Jonathan Aguire; PhD Candidate; Princeton University
76. Silvia Salatino; Research Scholar; University of Oxford
77. Andrew Blakers; Professor; Australian National University
78. Joana Valente; Masters; N/A

79. Susana C. Gonçalves; Assistant Professor; Centre for Functional Ecology, University of Coimbra, Portugal
80. Diogo Ferreira; Masters; Faculty of Sciences of the University of Lisbon
81. Claire Wordley; Post-Doctoral Fellow; Conservation Evidence: University of Cambridge
82. Nicolas Choquette-Levy; PhD Student; Princeton University
83. César Garcia; PhD; University of Lisbon. MUHNAC/CE3C
84. Ricardo Melo; Professor; Universidade de Lisboa, Portugal
85. Rutwik Kharkar; PhD Candidate; Princeton University
86. Isaac Uyehara; PhD Candidate; Princeton University
87. Sarah Budischak; Post-Doctoral Fellow; Princeton University
88. Dylan H. Morris; PhD Candidate; Department of Ecology & Evolutionary Biology, Princeton University
89. William Anderegg; Professor; University of Utah
90. Leander Anderegg; Post-Doctoral Fellow; Carnegie Institution for Science
91. Joseph Bak-Coleman; PhD Candidate; Princeton University
92. Daniel I. Rubenstein; Professor; Princeton University
93. Ian Miller ; PhD student; Princeton University
94. Julio E. Herrera Estrada; Post-Doctoral Fellow; Stanford University
95. Ryan Herbert; PhD Candidate; Princeton University
96. Malavika Rajeev; PhD Candidate; Princeton University
97. Arjun B. Potter; PhD Candidate; Princeton University
98. Robin Chazdon; Professor Emeritus; University of Connecticut
99. Vítor V. Vasconcelos; Post-Doctoral Fellow; Princeton University
100. Bruce Perry; PhD Candidate; Princeton University
101. Dr. Beverly E. Law; Professor; Oregon State University
102. Andrew Friedland; Professor; Dartmouth Environmental Studies Program
103. Alexandra Marçal; Professor; Universidade de Lisboa
104. Jarome Russell Ali; PhD Candidate; Princeton University
105. Artur Raposo Moniz Serrano; Professor; Faculdade de Ciências, Universidade de Lisboa
106. James N. Galloway; Professor; University of Virginia
107. Henry W. Art; Professor; Williams College
108. Malcolm Hunter; Professor; University of Maine
109. Scott Goetz; Professor; Northern Arizona University
110. Eric Chivian M.D.; Professor Emeritus; Founder and Former Director, Center for Health and the Global Environment, Harvard Medical School; Shared 1985 Nobel Peace Prize for Co-Founding International Physicians for the Prevention of Nuclear War
111. Robert M. Hughes; Research Scholar; Amnis Opes Institute
112. Aaron Ellison; Research Scholar; Harvard University
113. Richard A Houghton; Research Scholar; Woods Hole Research Center
114. James J. McCarthy; Professor; Former Co-Chair IPCC Working Group 2, Former President American Association for the Advancement of Science; Harvard University
115. Jorge Marques da Silva; Professor; Universidade de Lisboa
116. Sarah Hobbir; Professor; University of Minnesota
117. Megan McSherry; Post-Doctoral Fellow; Princeton University
118. John Harte; Professor; University of California, Berkeley
119. Miles R. Silman; Professor; Wake Forest University
120. Robert Howarth; The David R. Atkinson Professor of Ecology; Cornell University
121. Susan Natali; Research Scholar; Woods Hole Research Center
122. Viney Aneja; Professor; North Carolina State University
123. Andrew Baruth; Professor; Creighton University
124. Laura Kuurne; Masters; University College London
125. Mary S. Booth; PhD; Partnership for Policy Integrity
126. Gene Likens; Professor; U.S National Medal of Science, U. S. National Academy of Sciences, Founding President of the Institute of Ecosystem Studies; Cary Institute of Ecosystem Studies
127. Robert Max Holmes; Deputy Director and Senior Scientist; Woods Hole Research Center
128. Matthew C. Hansen; Professor; University of Maryland
129. Robert Cabin; Professor; Brevard College
130. Gillian T. Davies; Society of Wetland Scientists Immediate Past President
131. Robert K. Musil; President & CEO; Rachel Carson Council

132. Elin Götmark; Research Scholar; Chalmers University of Technology
133. Surshti Patel; Masters; Zoological Society of London
134. Dominic Patel; Research Scholar; University College London
135. William Schlesinger; Professor; Duke University
136. Deborah Lawrence; Professor; University of Virginia
137. Alan Weakley; Professor; University of North Carolina at Chapel Hill
138. George M. Woodwell; Professor; Woods Hole Research Center
139. Beverly Law; Professor; Oregon State University
140. Anni Arponen; Research Scholar; University of Helsinki
141. André Lourenço; PhD Candidate; CIBIO
142. Snæbjörn Pálsson; Professor; University of Iceland
143. Sebastiaan Luysaert; Professor; Vrije Universiteit Amsterdam
144. Mark Stanback; Professor; Davidson College
145. Prof. Dr.-Ing. Wolfgang Benecke; Professor; CAU Kiel Germany
146. Kate Dooley; PhD Candidate; Climate and Energy College, University of Melbourne
147. Leili Khalatbari; PhD Candidate; CIBIO
148. Professor A. William Rutherford FRS; Professor; Imperial College London
149. David van der Spoel; Professor; Uppsala University
150. Elsa Teresa Rodrigues; Post-Doctoral Fellow; University of Coimbra, Portugal
151. Ceres Barros; Post-Doctoral Fellow; University of British Columbia
152. James Petranka; Professor Emeritus; University of North Carolina at Asheville
153. Dominick DellaSala; PhD; Geos Institute
154. Lee E. Frelich; Research Scholar; University of Minnesota
155. Christopher Paradise; Professor; Davidson College
156. Sam L Davis; PhD; Dogwood Alliance
157. Jeffrey Corbin; Professor; Union College
158. Kimberli J. Ponzio; Research Scholar; Professional Wetland Scientist #000602
159. Aude Valade; Post-Doctoral Fellow; Institut Pierre Simon Laplace
160. Jaana Bäck; Professor; Univ. of Helsinki, chair of the EASAC report on 'Sustainable use of EU forests'
161. Walter Bock; Professor Emeritus; Columbia University
162. Jerry Melillo; Professor; Member, U.S. National Academy of Sciences; The Ecosystems Center, Marine Biological Laboratory
163. Philip K. Stoddard; Professor; Florida International University
164. Dominique G Homberger; Professor; Louisiana State University, Baton Rouge
165. Douglas Wartzok; Professor Emeritus; Provost Emeritus; Florida International University
166. Bjart Holtsmark; Research Scholar; Statistics Norway
167. Tamara Fetzl; PhD Candidate; University of Klagenfurt
168. Wietse de Boer; Professor; Netherlands Institute of Ecology / Wageningen University
169. Filipe Duarte Santos; Professor; University of Lisbon
170. Gretchen C. Daily; Professor; Stanford University
171. Wim de Vries; Professor; Wageningen University and Research
172. Rick Savage; Masters; Carolina Wetlands Association
173. Leffert Oldenkamp; Research Scholar; forest management advisory
174. Louise Vet; Professor; Director Netherlands Institute of Ecology (NIOO-KNAW), Member Royal Netherlands Academy of Arts and Sciences; Wageningen University
175. John Kominoski; Professor; Florida International University
176. Atte Korhola; Professor; University of Helsinki
177. András Báldi; Professor; MTA Centre for Ecological Research
178. Zoltán Tóth; Post-Doctoral Fellow; Hungarian Academy of Sciences
179. Judit Sonkoly; Research Scholar; University of Debrecen
180. Marten Scheffer; Professor; Wageningen University
181. Lisa Gomes; Professor; Florida International University
182. Jonathan Evans; Professor; University of the South
183. Jacintha Ellers; Professor; VU University Amsterdam
184. Christian Lauk; Research Scholar; Institute of Social Ecology, Alpen-Adria-Universität Klagenfurt/Graz/Vienna
185. Marcel Dicke; Professor; Wageningen University and Research, Wageningen, The Netherlands

186. Christoph Plutzer; Research Scholar; Institute of Social Ecology, Univ. Klagenfurt
187. Andrew J. Laughlin; Professor; University of North Carolina Asheville
188. Paul C. Struik; Professor; Wageningen University & Research
189. Peter Reijnders; Professor Emeritus; Wageningen University, CA-Universität Kiel
190. Erzsébet Hornung; Professor; University of Veterinary Medicine, Budapest, Hungary
191. Jamie Theobald; Professor; Florida International University
192. Eszter Lellei-Kovács; Post-Doctoral Fellow; MTA Centre for Ecological Research
193. Ariadna Szczybelski; PhD Candidate; Wageningen University
194. Karlheinz Erb; Professor; Institute of Social Ecology Vienna, Alpen-Adria University Klagenfurt-Vienna-Graz
195. Anders Lindroth; Professor Emeritus; Lund University
196. Margareta Ihse; Professor Emeritus; Stockholm University
197. Luc Lens; Professor; Ghent University
198. Eszter Wainwright-Deri; PhD; ZSL
199. Bernhard Schink; Professor; University of Konstanz
200. Timo Vesala; Professor; University of Helsinki
201. PWG Groot Koerkamp; Professor; Wageningen University and Research
202. Sue Hartley; Professor; Director of the York Environmental Sustainability Institute, University of York, Past-President of the British Ecological Society
203. Andreas Jechow; Research Scholar; Leibniz Institute of Freshwater Ecology and Inland Fisheries, Berlin
204. Per Milberg; Professor; Linköping University
205. Jens Kiesel; Post-Doctoral Fellow; Leibniz Institute of Freshwater Ecology and Inland Fisheries
206. Christian Stein; PhD Candidate; University of Osnabrück
207. Per Angelstam; Professor; Swedish University of Agricultural Sciences (SLU)
208. Therese Kettner; PhD Candidate; IGB - Leibniz-Institute of Freshwater Ecology and Inland Fisheries
209. Malte Andersson; Professor Emeritus; University of Gothenburg
210. Stuart Butchart; Research Scholar; Chief Scientist, BirdLife International
211. Alexandre Antonelli; Professor; University of Gothenburg, Sweden
212. Gábor Seress; Post-Doctoral Fellow; University of Pannonia
213. Kathryn Kirby; Post-Doctoral Fellow; University of Toronto
214. Urban Olsson; Professor; University of Gothenburg
215. Kim Naudts; Post-Doctoral Fellow; Max Planck Institute for Meteorology
216. Susanne Baden; Professor Emeritus; University of Gothenburg
217. Martin Eriksson; Research Scholar; Chalmers University of Technology
218. Giovanni Seminara; Professor Emeritus; University of Genoa and Accademia Nazionale dei Lincei, Italy
219. Marcello Sanguineti; Professor; University of Genova
220. Georg Staaks; Research Scholar; Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin
221. Giuseppe Casalino; Professor; University of Genova, Italy
222. Gianangelo Bracco; Professor; Università degli Studi di Genova (Italy)
223. Philip Taylor; Research Scholar; Mad Agriculture & CU Boulder
224. Adrian K. Clarke; Professor; University of Gothenburg
225. Izabela Delabre; PhD; Zoological Society of London
226. Ane T. Laugen; Research Scholar; Swedish University of Agricultural Sciences
227. Marcy Kravec; Professor; Florida International University
228. Bruno Carli; Research Scholar; IFAC del Consiglio Nazionale delle Ricerche
229. Lysanne Snijders; Post-Doctoral Fellow; Leibniz IGB Berlin
230. Gabriela Costea; Post-Doctoral Fellow; Leibniz Institute for Freshwater Ecology and Inland Fisheries Berlin
231. Dennis Baldocchi; Professor; University of California Berkeley
232. Christopher Kettle; Research Scholar; Bioversity International/ ETH Zurich
233. Walter Bock; Professor Emeritus; Columbia University
234. Aaike De Wever; Research Scholar; Royal Belgian Institute of Natural Sciences
235. Wim Carton; Post-Doctoral Fellow; Lund University Centre for Sustainability Science
236. Juha Merilä; Professor; University of Helsinki
237. Ulrika Jansson; PhD; BioFokus
238. Dag O. Hessen; Professor; University of Oslo, Dept. Biosciences
239. Torbjörn Tyler; Research Scholar; Lund University, Dept. of Biology
240. Åsa Kasimir; Research Scholar; University of Gothenburg, Sweden
241. Cornelis J.P. Grimmelikhuijzen; Professor; University of Copenhagen

242. Roland Jansson; Research Scholar; Umeå University
243. Thomas Lund Koch; PhD Candidate; University of Copenhagen
244. charlie cornwallis; Research Scholar; Lund University
245. Stefan Wirsenius; Associate Professor; Chalmers University of Technology
246. Ira Brinn; Professor; Univ. Federal do Rio de Janeiro, Brasil
247. David van der Spoel; Professor; Uppsala University
248. Colin Averill; Post-Doctoral Fellow; Boston University
249. Janice Ser Huay Lee; Professor; Nanyang Technological University of Singapore
250. Mar Cabeza; Research Scholar; University of Helsinki
251. Graciela Rusch; Research Scholar; Norwegian Institute for Nature Research
252. Tormod V. Burkey; Research Scholar; University of Oslo
253. Fernando Gonzalez-Candelas; Professor; University of Valencia, Spain
254. Thomas Læssøe; Research Scholar; University of Copenhagen; Danish Mycological Society
255. Göran Englund; Professor; Umeå University
256. Jens Borum; Professor; Department of Biology, University of Copenhagen
257. Jan Kunnas; Post-Doctoral Fellow; Independent researcher
258. Koen Sabbe; Professor; Ghent University
259. David Bilton; Professor; Plymouth University
260. Sigmund Hågvar; Professor Emeritus; Norwegian University of Life Sciences
261. Jens-Christian Svenning; Professor; Department of Bioscience, Aarhus University
262. Jens-Christian Svenning; Professor; Department of Bioscience, Aarhus University
263. Bodil Enoksson; Post-Doctoral Fellow; University of Lund
264. Bruce Baldwin; Professor; University of California, Berkeley
265. Mathias Grünwald; Professor; Hochschule Neubrandenburg, FB LG
266. Sandra Luque; Research Director; IRSTEA France
267. Honor C. Prentice; Professor; Department of Biology, Lund University, Sweden
268. Amallesh Dhar; Research Scholar; University of Alberta
269. Shadananan Nair; Research Scholar; Centre for Earth Research and Environment Management
270. Audrey Mayer; Professor; Michigan Technological University
271. Richard Bradbury; Research Scholar; RSPB & Cambridge University
272. Graeme M. Buchanan; Research Scholar; Centre for Conservation Science, Royal Society for the Protection of Birds
273. Kira Sullivan-Wiley; Post-Doctoral Fellow; Institute at Brown for Environment and Society
274. Jostein Lorås; Professor; Nord University
275. Christine Fürst; Professor; Martin Luther University Halle-Wittenberg
276. Danijela Puric-Mladenovic; Professor; Faculty of Forestry, University of Toronto
277. Jennifer Schulz; Research Scholar; University of Potsdam
278. Philippe Ciais; Research Scholar; Laboratoire des Sciences du Climate et de l'Environnement
279. Fiona Schmiegelow; Professor; University of Alberta
280. Lisa Naughton; Professor; UW Madison
281. Giovanni Sanesi; Professor; University of Bari
282. Nathan Samuel Gill; PhD Candidate; Clark University
283. Miguel Martinez-Ramos; Professor; Universidad Nacional Autónoma de Mexico
284. Robin Chazdon; Professor Emeritus; University of Connecticut
285. Joaquín Francisco Lavado Contador; Professor; University of Extremadura. Spain
286. Håkan Ljungberg; Entomologist, conservation biologist; Swedish University of Agricultural Sciences
287. Tuomo Kallikoski; Post-Doctoral Fellow; Institute for Atmospheric and Earth System Research / Physics Faculty of Science & Helsinki Institute of Sustainability Science, University of Helsinki
288. Louis Iverson; Affiliate Professor; Ohio State University
289. Dejan Stojanovic; Research Scholar; University of Novi Sad
290. Nico M. van Straalen; Professor; Vrije Universiteit Amsterdam
291. Colin Chapman; Professor; McGill University
292. Paul T. Scott; Professor; New York University
293. Patrick Meyfroidt; Professor; Université catholique de Louvain & F.R.S.-FNRS
294. Tobias Kuemmerle; Professor; Humboldt-Universität zu Berlin
295. Janne I. Hukkinen; Professor; University of Helsinki
296. Lars Hedenäs; Research Scholar; Swedish Museum of Natural History

297. Peter Batary; Research Scholar; University of Goettingen
 298. Stig-Olof Holm; Research Scholar; Umeå university
 299. Lisa McManus; Post-Doctoral Fellow; Rutgers University
 300. Lee Dyer; Professor; University of Nevada Reno
 301. Elizabeth Pringle; Professor; University of Nevada, Reno
 302. Sirkku Manninen; Director of the Ecosystems and Environment Research Programme; Univ. of Helsinki
 303. Juha Mikola; University Lecturer; University of Helsinki
 304. Markus Kröger; Research Scholar; University of Helsinki
 305. Jacob Socolar; Post-Doctoral Fellow; University of Connecticut
 306. Morgan W. Tingley; Professor; University of Connecticut
 307. Sabina Burrascano; Research Scholar; Sapienza University if Rome
 308. Johannes Küchler; Professor Emeritus; Technische Universität Berlin
 309. Ton Bisseling; Professor; Wagenugen University
 310. Annette Trierweiler; Post-Doctoral Fellow; University of Notre Dame
 311. Susanna Hecht; Professor; Graduateinstitute for development studies ; also ucla
 312. Cleo Stratmann; PhD Candidate; Netherlands Institute of Ecology
 313. Mikko Mönkkönen; Professor; University of Jyvaskyla
 314. Philippe Rufin; PhD Candidate; Humboldt-Universität zu Berlin
 315. Maja Grubisic; Post-Doctoral Fellow; Freie Universität Berlin
 316. Naomi Schwartz; Post-Doctoral Fellow; University of Minnesota
 317. Eduardo van den Berg ; Professor; Universidade Federal de Lavras
 318. Will Turner; Chief Scientist & Senior Vice President; Conservation International
 319. Hans-Peter Grossart; Professor; Leibniz Institut für Gewässerökologie und Binnenfischerei (IGB)
 320. Solen Le Clec'h; Post-Doctoral Fellow; ETH Zürich
 321. Douglas Yu; Professor; University of East Anglia
 322. Attila Marton; Masters; University of Debrecen, Hungary
 323. Massimo Paolucci; Professor; UNiversity of Genova
 324. Zdenek Burival; Masters, Executive Director; AURA, s.r.o.
 325. Ariane Walz; Professor; University of Potsdam
 326. David Kleijn; Professor; Wageningen University
 327. Inigo Miguelez; Masters; University pf Copenhagen
 328. Rebecca Runting; Post-Doctoral Fellow; The University of Queensland
 329. Hanna Kokko; Professor; University of Zurich
 330. Sven Lautenbach; Professor; University of Bonn
 331. Emma kritzberg ; Professor; Lund University
 332. Frank Götmark; Professor; University of Gothenburg, Sweden
 333. Franco Montanari; Professor; Università degli Studi di Genova
 334. Anne Sverdrup-Thygeson; Professor; Norw. Univ. of Life Science
 335. Rolf A. Ims; Professor; UiT- The Arctic University of Norway
 336. Tom Swinfield; Research Scholar; University of Cambridge
 337. Martin Berg; Masters; Lund Univeristy
 338. Lars Johan Erkell; Research Scholar; University of Gothenburg, Sweden
 339. Sten Svantesson; PhD Candidate; Uni. of Gothenburg, Dept. of Biological and Environmental Sciences
 340. John-Arvid Grytnes; Professor; University of Bergen
 341. Søren Faurby; Research Scholar; Göteborgs universitet
 342. Charlotta Kvarnemo; Professor; University of Gothenburg
 343. Micaela Hellström; Research Scholar; Stockholm University
 344. Perla Maiolino; Post-Doctoral Fellow; Cambridge University
 345. Greg King; Professor; University of Alberta Augustana
 346. Erik E Stange; Research Scholar; Norwegian Institute for Nature Research
 347. Harini Nagendra; Professor; Azim Premji University
 348. Håkan Hyttborn; Professor Emeritus; Norwegian University of Science and Technology
 349. Joshua Daskin; Post-Doctoral Fellow; Yale University
 350. Gabor L Lövei; Professor; Aarhus University/ Fujian Agricultural & Forestry University
 351. Anna Boato; Professor; Università di Genova
 352. Els; Masters; Ottawa University
 353. Iulie Aslaksen; Research Scholar; Statistics Norway/Research Department

354. Jan Willem Erisman; Professor; VU university Amsterdam and Louis Bolk Institute
355. Zoltán Sándor VARGA; Professor Emeritus; Department Evolutionary Zoology, University of Debrecen
356. Bente Jessen Graae; Professor; Norwegian Science and Technology
357. Tartally András; PhD; University of Debrecen, Hungary
358. Erik Framstad; Research Director; NINA
359. Tage Vowles; PhD; University of Gothenburg
360. Patrick Hostert; Professor; Humboldt University Berlin
361. Jörn Theuerkauf; Professor; Museum and Institute of Zoology, Polish Academy of Sciences
362. Andrea Balduzzi; Research Scholar; Università di Genova
363. Alexandra Balogh; Post-Doctoral Fellow; Stockholm University
364. Francesco Maria Sabatini; Post-Doctoral Fellow; Humboldt-Universität zu Berlin
365. Sara Holmgren ; Research Scholar; Swedish University of Agricultural Sciences
366. Philip Platts; Research Fellow; University of York
367. Klara Fischer; Research Scholar; Swedish University of Agricultural Sciences
368. Michael Schmitt; Professor Emeritus; Ernst-Moritz-Arndt-Universitaet Greifswald
369. Norman Lim; PhD; Nanyang Technological University
370. Julien Vollering; PhD Candidate; University of Oslo
371. John E Hermansen; Professor; NTNU
372. William Thomas; Professor; Montclair State University
373. Peter C Frumhoff; Chief Climate Scientist; Union of Concerned Scientists
374. Jenni Nordén; Research Scholar; Norwegian Institute for Nature Research
375. Joaquin Solana-Gutierrez; Professor; Universidad Politecnica de Madrid
376. Lyndon Estes; Professor; Clark University
377. Lisa Westholm; PhD; Focali
378. Björn Nordén; Research Scholar; Norwegian institute for nature research
379. Laura German; Professor; University of Georgia
380. Carol Hunsberger; Assistant Professor; University of Western Ontario
381. Frances Seymour; Distinguished Senior Fellow; World Resources Institute
382. B.Bozetka; PhD; Nicolaus Copernicus University
383. Mats Grahn; Professor; Södertörn University
384. Giancarlo Mauceri; Professor; Università di Genova
385. Margaret E Conroy; PhD; Rutgers
386. Martin Stervander; Post-Doctoral Fellow; University of Oregon
387. Oskar Brattstrom; Post-Doctoral Fellow; University of Cambridge
388. Susanne Åkesson; Professor; Lund University
389. Anders Hedenström; Professor; Lund University
390. Nayden Chakarov; Post-Doctoral Fellow; Bielefeld University
391. Rebecca Tittler; PhD; Concordia University
392. Karin Rengefors ; Professor; Lund University
393. Magnus Ellström ; PhD; Lund University
394. Ashwini Chhatre; Professor; Indian School of Business
395. Thanos Smanis; PhD Candidate; Environmental Consultant of HCL Group
396. Dr. Jochen A.G. Jaeger ; Professor; Concordia University Montreal
397. Jukka Lausmaa; PhD; RISE Research Institutes of Sweden
398. David Coomes; Professor; University of Cambridge
399. Luca; Post-Doctoral Fellow; Radboud University
400. Lars Ericson; Professor Emeritus; Umeå University
401. Nathan S. Debortoli; Post-Doctoral Fellow; McGill University
402. Sonia Wesche; Professor; University of Ottawa
403. Suvi Ponnikas; Post-Doctoral Fellow; Lund University
404. Dr. Maura Hanrahan; Professor; University of Lethbridge
405. Michael Allchin; PhD Candidate; Quesnel River Research Centre, University of Northern BC
406. Jody Peters; PhD; University of Notre Dame
407. Alex Latta; Professor; Wilfrid Laurier University
408. Leah Germer; Masters; World Bank
409. Martin Scheringer; Professor; Masaryk-Universität, Brünn
410. John-Michael Davis; Post-Doctoral Fellow; University of Illinois Urbana-Campaign

411. Rajmund Michalski; Professor; Institute of Environmental Engineering, Polish Academy of Sciences
412. Daniel Müller; Research Scholar; Leibniz Institute of Agricultural Development in Transition Economies
413. Held; Professor; University of Hamburg
414. Jeffrey Milder; Research Scholar; Rainforest Alliance & Cornell University
415. Marcia C M Marques; Professor; UFPR - Federal University of Parana, Brazil
416. Sissel Sjöberg; Post-Doctoral Fellow; Lund University
417. Annie Lalancette; Post-Doctoral Fellow; Saint Mary's University
418. Bradley B Walters, PhD; Professor; Mount Allison University (Canada)
419. Alfredo; Post-Doctoral Fellow; Museum and Institute of Zoology, PAS
420. Fabien L. Condamine; Research Scholar; CNRS
421. William C. Burns; Professor; Co-Executive Director, Forum for Climate Engineering Assessment, American University
422. Elizabeth Allison; Professor; California Institute of Integral Studies
423. Dagnija Blumberga; Professor; Riga Technical University
424. George Sevastopulo; Professor Emeritus; Department of Geology, Trinity College Dublin
425. Henrik Selin; Professor; Frederick S Pardee School of Global Studies at Boston University
426. Corrado Boragno; Professor; Università di Genova
427. Jean-Paul Bourque; Founder of RIRE; Retired Independent Research in Ecology (RIRE)
428. Edwin J. Green; Professor; Rutgers University
429. Sergio Carrà; Professor Emeritus; Politecnico Milano, Italy
430. Teo Mora; Professor; University of Genoa
431. Karen Holl; Professor; University of California, Santa Cruz
432. Henning Rodhe; Professor Emeritus; Retired from Department of Meteorology, Stockholm Univ.
433. Nora Davis; Research Scholar; Public sector
434. Jakob Skovgaard; Research Scholar; Lund University
435. Gabriela Kuetting; Professor; Rutgers University
436. Johan Lind; Research Scholar; Stockholm University
437. Tali Neta; Professor; Lethbridge College
438. Anna Sugiyama; Post-Doctoral Fellow; Yale University
439. Jacob von Oelreich; Research Engineer, Phil Lic; KTH Royal Institute of Technology
440. Jessica Green; Professor; New York University
441. Prof Susan Page; Professor; University of Leicester
442. Celia A. Harvey; Conservation International
443. Paal Krokene; Research Scholar; Norwegian Institute of Bioeconomy Research
444. Jeremy Firestone; Professor; Director, Center for Carbon-free Power Integration; University of Delaware
445. Bengt Gunnar Jonsson; Professor; President of the Europe Section of the SCB; Mid Sweden University
446. Anders Nielsen; Research Scholar; CEES University of Oslo
447. Cornelia Spetea Wiklund; Professor; University of Gothenburg
448. Wolf L. Eiserhardt; Associate Professor; Aarhus University
449. Anja Rammig; Professor; Technical University of Munich
450. Paul Eric Aspholm; Research Scholar; NIBIO
451. Guido Visconti; Professor Emeritus; Università dell'Aquila, L'Aquila, Italy
452. Sam Rabin; Research Scholar; Karlsruhe Institute of Technology
453. Inger Auestad; Professor; HVL
454. Anders Bryn; Professor; University of Oslo
455. Ulrika Beier; PhD; SLU
456. Hanna Sigeman ; PhD Candidate; Lund University
457. Zoltan Barta; Professor; University of Debrecen
458. Anders K. Wollan; Research Scholar; Natural History Museum, University of Oslo
459. Eli Rinde; Research Scholar; NIVA
460. Johan Asplund; Research Scholar; Norwegian University of Life Sciences
461. Anna Persson; Post-Doctoral Fellow; Lund University
462. Barbara Zimmermann; Research Scholar; Inland Norway University of Applied Sciences
463. Mia Vedel Sørensen; PhD Candidate; NTNU
464. Eveliina Kallioniemi; Research Scholar; Norwegian Institute of Bioeconomy Research
465. Riccardo Guastini; Professor Emeritus; Tarello Institute for Legal Philosophy, University of Genoa
466. Charlotte Epstein; Professor; University of Sydney

467. Massimo Verdoya; Professor; University of Genova, Dept. of Earth, Environmental and Life Sciences
468. Hanna Laakkonen; Research manager; Lund university
469. Bruce Marsh; Research Scholar; CERN
470. Emma Morgan; Post-Doctoral Fellow; Charles University in Prague
471. Carsten Meyer; Research group leader; German Centre of Integrative Biodiversity Research
472. Stefan Ernst; Masters; Humboldt-Universität zu Berlin
473. Florian Poetzschner; Bachelor; Humboldt-University zu Berlin
474. Yann Clough; Professor; Centre for Environmental and Climate Research, Lund University
475. Andrew Foggo; Professor; University of Plymouth
476. Gustavo de L. T. Oliveira; Visiting Assistant Professor; Environmental Studies, Swarthmore College
477. Dr. José Sarukhán, Former Rector, Universidad Autónoma de México
478. Neil Losin; PhD; Day's Edge Productions
479. Tim Forsyth; Professor; London School of Economics and Political Science
480. Philipp Gärtner; Post-Doctoral Fellow; Leibniz Centre for Agricultural Landscape Research
481. Julie G. Zaehring; Post-Doctoral Fellow; Centre for Development and Environment, University of Bern
482. Rutger A. Vos; Research Scholar; Naturalis Biodiversity Center, the Netherlands
483. Katie Horgan; PhD Candidate; University of Zurich
484. Timothy Boucher; Masters; Self
485. Petra Dvorak; Masters; Supsi
486. Jerry Skoglund; Associate Professor; Swedish University of Agricult. Sciences
487. Michel Sliger; Research professional; Université de Montréal
488. chiara; Research Scholar; University of Zurich
489. Kateřina Geržová; Research Scholar; Palackého University in Olomouc
490. Nicholas Watts; Research Scholar; Institute of Commonwealth Studies, University of London
491. Stephanie Mayer; Masters; WSL Institute for Snow and Avalanche Research SLF
492. Lian Pin Koh; Professor; University of Adelaide
493. Gerlinde B. De Deyn; Professor; Wageningen University
494. Camille Beasley; Masters; FL Dept of Environmental Protection
495. Tomas Jedlicka; Masters; Waldorf school Brno, Czech Republic
496. Deirdre Clark; PhD; University of Iceland
497. Christopher Martius; Research Scholar; Center for International Forestry Research (CIFOR)
498. Kamila Janeckova; Masters; CEMS, Master of International Management
499. Justine Atkins; PhD Candidate; Princeton University
500. Roylyn Nielson; No formal education just common sense; Friend of the forests
501. Hana Novotná; Masters; Charles University
502. Ciro Cabal; PhD Candidate; Princeton University
503. Marie Sarazova; Research Technician; Monasterium Laboratory, Münster, Germany
504. Kathleen Quinn; Associate Scientist; Invicro
505. Vishal Thacker; Masters; protagonist
506. Jana Burivalova; Masters, Biology teacher; Zakladni Skola
507. Farhan Raza; Post-Doctoral Fellow; Weill Cornell medical college
508. Pamela McElwee; Professor; Rutgers University
509. Ian McFadden; PhD Candidate; UCLA
510. Wolfgang Schwan; 3 years of University; Concerned Human
511. Alex Washburne; Post-Doctoral Fellow; Montana State University
512. Karishmaa Pai; Masters; WFC
513. Eric Swanson; Citizen; Sierra Club
514. Caroline Farrow; Assistant Professor; University of Texas at Austin, Integrative Biology
515. Kimberly Neely; Research Scholar; Mendel Biological Solutions
516. Felicity Wynne; PhD Candidate; Plymouth University
517. Jane Baldwin; PhD Candidate; Princeton University
518. David Edwards; Professor; University of Sheffield
519. Thomas Lovejoy; Professor; George Mason University
520. Daniela Miteva; Professor; Ohio State University
521. Vera Chouinard; Professor; McMaster University
522. Maike Nesper; PhD; ETH Zurich
523. Richard Waring; Professor Emeritus; Oregon State University

524. Walter Stephenson; Bachelor in Environmental Engineering; George School
525. De. Rainer Bussmann, Professor Emeritus, Saving Knowledge
526. Spencer C.H. Barrett, Professor, University
527. Himadri Pakrasi , Professor, Director, International Center for Energy, Environment and Sustainability, Washington University in St. Louis
528. James Mallet, Professor, Harvard University and UCL London
529. David Zilberman, Professor, University of California at Berkeley
530. Paul Berry, Professor, University of Michigan, Department of Ecology and Evolutionary Biology
531. Ricardo Rozzi, Professor, Director, Sub-Antarctic Biocultural Research Conservation Program, University of North Texas (USA) & Universidad de Magallanes (Chile)
532. Mark E. Olson , Professor, Instituto de Biología, Universidad Nacional Autónoma de México
533. William H. Schlesinger, Professor Emeritus, Nicholas School of the Environment, Duke University
534. Jorge V. Crisci, Professor Emeritus, Universidad Nacional de La Plata, Argentina
535. William F. Laurance , Professor, Distinguished Research Professor, Australian Laureate, and Prince Bernhard Chair in International Nature Conservation; Fellow of the Australian Academy of Science, James Cook University, Cairns, Australia
536. Christopher Leaver CBE,FRS,FRSE, Professor Emeritus, University of Oxford
537. Alan P. Covich, Professor, University of Georgia
538. Harold Mooney, Professor Emeritus, Stanford University
539. Richard Daley, Masters, EMD Consulting Group
540. Patrick Osborne, PhD, Former Executive Director, Harris World Ecology Center, UM-St. Louis
541. Dr. Christopher Davidson, PhD, Idaho Botanical Research Foundation
542. Nina Lundholm, Research Scientist or Scholar, University of Copenhagen
543. Thomas Struhsaker, Professor Emeritus, Duke University
544. Claire Kremen, Professor, University of California Berkeley
545. Toby Gardner, Research Scientist or Scholar, Stockholm Environment Institute
546. David W. Inouye, Professor Emeritus, University of Maryland
547. David D Ackerly, Professor, Univ California Berkeley
548. Thomas J. Givnish, Professor, University of Wisconsin-Madison
549. James C Aronson, Research Scientist or Scholar; Missouri Botanical Garden
550. Warren R Muir, PhD, Granite Research Institute
551. David Creech, Professor Emeritus; Research Scientist or Scholar, SFA State University
552. Kenneth Olsen, Professor, Washington University in St. Louis
553. Bruce A. Stein, PhD, National Wildlife Federation
554. Patricia Vickers-Rich, Professor, Swinburne University of Technology, Department of Chemistry and Biotechnology
555. David White, Professor Emeritus, Loyola University
556. Anne Ehrlich, Research Scientist or Scholar, Stanford University
557. Brent D. Mishler, Professor, Integrative Biology, University of California, Berkeley
558. Toby Bradshaw, Professor, Department of Biology, University of Washington
559. Charles Perrings, Professor, Arizona State University
560. May Berenbaum, Professor, University of Illinois at Urbana-Champaign
561. Fariborz Zelli, Associate Professor, Lund University
562. John W. Terborgh, Professor Emeritus, Duke University
563. Stephen D. Hopper AC, Professor, Professor of Biodiversity, The University of Western Australia, and former CEO and Chief Scientists, Royal Botanic Gardens Kew
564. David Mabberley, Professor, Wadham College University of Oxford, UK
565. Phil Devries, Professor, University of New Orleans
566. Andreia Figueiredo, PhD Student, University of Missouri - St. Louis
567. Amy Kirkham, PhD Candidate, University of Alaska Fairbanks

568. Daniel Janzen, Professor of Conservation Biology, University of Pennsylvania, Member US National Academy of Sciences
569. Juan Isaac Moreira Hernandez, PhD Candidate, University of Missouri-St. Louis
570. Ib Friis, Professor Emeritus, Natural History Museum of Denmark, member of the Royal Danish Academy of Sciences and Letters and the Royal Physiographic Society of Lund (Academy for the Natural Sciences, Medicine and Technology)
571. Rodrigo Mendez, Research Scientist or Scholar, centro de investigacion cientifica y de educacion superior de ensenada, bc Mexico
572. Michael Clegg, Professor Emeritus, University of California, Irvine; past foreign secretary US National Academy of Sciences
573. Jeffrey D. Sachs, Professor, Columbia University
574. Patricia G. Parker, Professor, University of Missouri - St. Louis
575. Alan Weakley, Professor, University of North Carolina at Chapel Hill
576. Jeremy Bruhl, Professor, University of New England; Director, N.C.W. Beadle Herbarium
577. Hugh Possingham, Professor, The University of Queensland
588. Mary. T. K. Arroyo, Professor, Institute de Ecologia & Biodiversidad
589. Cagan H Sekercioglu, Professor, University of Utah
590. Michael MacCracken, Research Scientist or Scholar; Chief Scientist for Climate Change Programs, Climate Institute
591. Calvin Qualset, Professor Emeritus, University of California
592. Peter Crane FRS, Professor Emeritus, Oak Spring Garden Foundation
593. Osvaldo Sala, Professor, Arizona State University
594. Nicola Ripley, Masters, Betty Ford Alpine Gardens
595. Steve O'Kane, Professor, University of Northern Iowa
596. Christopher P. Dunn, Professor, Cornell Botanic Gardens
597. Carl Safina, Professor, Stony Brook University
- 598 Peter Ellis, Research Scientist or Scholar, The Nature Conservancy
599. Peter Gleick Pacific Institute, PhD, Pacific Institute
600. Andrew Beattie, Professor Emeritus, Macquarie university
601. James Bignaut, Professor, Stellenbosch University
602. Kingsley Dixon, Professor, Curtin University, Western Australia
603. Marleen Schafer, Masters, Pro Natura
604. Loren Rieseberg, Professor, University of British Columbia
605. Gerardo Ceballos, Professor; PhD, Universidad Nacional AutÃ³noma de MÃ©xico
606. J Julio Camarero, Research Scientist or Scholar, IPE-CSIC
607. Leon Green, PhD Candidate, University of Gothenburg
608. Ghilleen Prance, Professor Emeritus, Former Director, Royal Botanic Gardens, Kew
609. Mats Lindeskog, Research Scientist or Scholar, Lund University, Sweden
610. Debora Arlt, Research Scientist or Scholar, Swedish University of Agricultural Sciences
611. Ulrika Palme, Research Scientist or Scholar, Chalmers University of Technology
612. David Moreno Mateos, Research Scientist or Scholar, Basque centre for CLimate Change - BC3
613. Christian KÄ¶rner, Professor Emeritus, University of Basel, Switzerland
614. Peter Endress, Professor Emeritus, Professor Emeritus, University of Zurich, Switzerland, Member of German Academy of Sciences Leopoldina
615. Enrico Rizzuto, Professor, University of Naples - Italy
616. Fang Yin, PhD Candidate, IAMO
617. Birgitta Bremer, Professor Emeritus, The Royal Swedish Academy of Sciences
618. Harith Farooq, PhD Candidate, University of Aveiro, Portugal, Gothenburg University, Sweden
619. Sine Kragh Petersen, Masters, University of Copenhagen
620. Jane Phillips-Conroy, Professor Emeritus, Washington University

621. Juan D. Carrillo, Post-Doctoral Fellow, University of Gothenburg
622. Tomáš Bujna, Lecturer, TC Business School
623. Matthias Baumann, Post-Doctoral Fellow, Humboldt-Universität zu Berlin
624. Alec Christie, PhD Candidate, University of Cambridge
625. Calum Brown, Post-Doctoral Fellow, Karlsruhe Institute of Technology
626. Rose Andrew, Research Scientist or Scholar, University of New England
627. Paul Cannon, Research Scientist or Scholar, Royal Botanic Gardens, Kew
628. Simone Gingrich, Research Scientist or Scholar, Institute of Social Ecology, Alpen-Adria Universität
629. Meredith Blackwell, Professor Emeritus, Louisiana State University
630. Elizabeth Bourne, Post-Doctoral Fellow, Berlin Centre for Genomics in Biodiversity Research
631. Luke Dollar, Professor, Catawba College
632. M.F. Wallis de Vries, Professor, De Vlinderstichting / Dutch Butterfly Conservation
633. John W. Fitzpatrick, Professor, Executive Director, Cornell Lab of Ornithology, Cornell University
634. R. Henrik Nilsson, Research Scientist or Scholar, University of Gothenburg
635. Pieter Baas, Professor Emeritus, Naturalis Biodiversity Center and Leiden University
636. Barbara M Thiers, Vice President, The New York Botanical Garden
637. W. Hardy Eshbaugh, Professor Emeritus, Miami University
638. Roy E Halling, Research Scientist or Scholar, New York Botanical Garden
639. Janet Simkin, Research Scientist or Scholar, British Lichen Society
640. David Barton Bray, Professor, Florida International University
641. William L. Crepet, Professor, Cornell University
642. Peter White, Professor, University of North Carolina at Chapel Hill
643. Neil Snow, Professor, Pittsburg State University
644. Maria Isabel Loza Rivera, PhD Candidate, University of Missouri Saint Louis
645. José Blanco, Post-Doctoral Fellow, INRA
646. John J. Engel, Curator Emeritus, The Field Museum, Chicago, IL 60605
647. Alfredo Romero Muñoz, PhD Candidate, Humboldt-Universität zu Berlin
648. Johanne Pelletier, Post-Doctoral Fellow, Cornell University
649. Fernando O. Zuloaga, Professor; Instituto de Botánica Darwinion, IBODA, Argentina
650. Donna Ford-Werntz, West Virginia University
651. David Boufford, Research Scientist or Scholar, Harvard University
652. Elsa Redmond, Research Scientist or Scholar, American Museum of Natural History
653. Charles S. Spencer, Curator, American Museum of Natural History
654. Juan Manuel Dupuy, Research Scientist or Scholar, Centro de Investigación Científica de Yucatán
655. Rosalind Gleave, Masters, Cambridge University
656. David Galbraith, Head of Science Department, Royal Botanical Gardens (Canada)
657. James S. Quinn, Professor, McMaster University
658. Stephen Blackmore, Professor, Royal Botanic Garden Edinburgh
659. Paul Smith, Botanic Gardens, Conservation International
660. Jay Malcolm, Professor, University of Toronto
661. Dawn R Bazely, Professor, Department of Biology, Faculty of Science & former Director, Institute for Research & Innovation in Sustainability, York University, Toronto, Canada
662. John Harte, Professor, University of California, Berkeley
663. Andrew Tilman, Post-Doctoral Fellow, University of Pennsylvania
664. Luca Di Corato, Assistant professor, University of Bari
665. Norman Ellstrand, Professor, University of California
666. Francesca Cavallaro, Post-Doctoral Fellow, London School of Hygiene & Tropical Medicine
667. Rodolfo Dirzo, Professor, Stanford University

668. Rauri Bowie, Professor, University of California, Berkeley
669. Richard S. Williams, Jr., Drniot Associate Scientist, Stefansson Arctic Institute; Senior Editor, Satellite Image Atlas of Glaciers of the World (11 vol.); Vice Chairman Emeritus, Committee for Research and Exploration, National Geographic Society; Adjunct Senior Scientist, Woods Hole Research Center
669. Philip Martin, Post-Doctoral Fellow, University of Cambridge
670. LINDSAY MERRILL, Masters, University of Denver
671. Janet Franklin, Professor, University of California - Riverside
672. Claudio Delgadillo, Research Scientist or Scholar, Universidad Nacional Aut3noma de M3xico
673. Jonathan Losos, Professor, Washington University
674. Stephen Mahfood; ,Former Director of the Missouri Department of Natural Resources
675. Elena Lazos, Professor, Professor and Research Director, Instituto Investigaciones Sociales, Universidad Nacional Aut3noma de M3xico
676. Raghavendra Gadagkar, Professor, Indian Institute of Science
677. Jos3 M. Rey Benayas, Professor, University of Alcal3
678. Per Weslien, Research Scientist or Scholar;PhD, University of Gothenburg
679. Ra3 de la Mata Pombo, Research Scientist or Scholar, IRTA
680. Manuel J. Mac3a, Professor, Universidad Aut3noma de Madrid
681. Enrique Andivia, Post-Doctoral Fellow, Universidad de Alcal3
682. Joan Romany3 , Professor, Universitat de Barcelona
683. Arantzazu L. Luzuriaga, Research Scientist or Scholar, Universidad rey Juan carlos
684. Luis Cayuela, Professor, Universidad Rey Juan Carlos
685. Juan A. Blanco, Research Scientist or Scholar, Universidad Publica de Navarra
686. Javier Loidi, Professor, University of the Basque Country
687. Natalia Gonz3lez Ben3tez, Professor, University Rey Juan Carlos
688. Juan Luis Hidalgo Card3s, PhD, Universidad Rey Juan Carlos
689. Francisco Pugnaire, Professor, CSIC
690. Rosa M. Chefaoui, Post-Doctoral Fellow, Centre of Marine Science
691. Jos3 Ignacio Querejeta, Research Scientist or Scholar, Spanish National Research Council (CSIC)
692. Alberto Bernu3s, Research Scientist or Scholar, Agrifood Research and Tecnology Centre or Arag3n, Spain
693. Mauricio Diazgranados, Research Scientist or Scholar, Royal Botanic Gardens, Kew
694. Juande D. Miranda, Research Scientist or Scholar, Repsol Technology Center
695. Carolina Puerta Pi3ero, Post-Doctoral Fellow, Andalusian Institute of Agronomic research and training (IFAPA)
696. Alexandra Rodr3guez Pereiras, Post-Doctoral Fellow, Centre for Functional Ecology-University of Coimbra
697. Nat3 lia Corcoll Cornet, Post-Doctoral Fellow, University of Gothenburg
698. Julio Manuel, Professor, Universidad de Ja3n (Spain)
699. Daniel Crespo, PhD, University of Coimbra
700. Jos3 A. Carreira, Professor, University of Jaen (Spain)
701. M3rcia Ara3jo, PhD Candidate, Faculty of Sciences, University of Porto, Portugal and Center for Functional Ecology, University of Coimbra, Portugal
702. Julio Javier Diez, Professor, University of Valladolid
703. Stephan von Cramon-Taubadel, Professor, University of G3ttingen
704. Carolina Mart3nez Ruiz, Professor, University of Valladolid (Spain)
705. Maria J.I. Briones, Professor, Universidad de Vigo
706. Alberto Sacrist3n Velasco, PhD, Universidad de Valladolid
707. Susana Rodr3guez Echeverr3a, Research Scientist or Scholar, University of Coimbra
708. Mauricio Diazgranados, Research Scientist or Scholar, Royal Botanic Gardens, Kew
709. Eloy Revilla, Research Scientist or Scholar, CSIC

710. Manuel Ramón García Sánchez-Colomer, PhD, Centro de Estudios y Experimentación de Obras Públicas
711. Ruben Heleno, Research Scientist or Scholar, Universidade de Coimbra
712. Yolanda Melero, Post-Doctoral Fellow, CREAM - UAB
713. Manuel B. Morales, Professor, Dept. of Ecology, Autónoma University of Madrid
714. Miklós Bájn, PhD, University of Debrecen
715. Helena Freitas, Professor, University of Coimbra
716. Daniel Montesinos, Research Scientist or Scholar, University of Coimbra
717. Xavier Lambin, Professor, University of Aberdeen
718. Manuel Ruiz Pérez, Professor, Universidad Autónoma de Madrid
719. Asier Rodríguez Larrinaga, Post-Doctoral Fellow, Misió Biológica de Galicia (CSIC)
720. Neptalí Ramírez-Marcial, Senior Researcher, Department of biodiversity conservation, El Colegio de la Frontera Sur, Chiapas, Mexico
721. Elisa Oteros-Rozas, Post-Doctoral Fellow, Universidad Pablo de Olavide
722. Maricruz Jaramillo, PhD Candidate, University of Missouri - Saint Louis
723. José A. Godoy López, Research Scientist or Scholar, Estación Biológica de Doñana, CSIC
724. Gloria I Guzmán Casado, Professor, Universidad Pablo de Olavide
725. Ines Sanchez-Donoso, Professor Emeritus; Post-Doctoral Fellow, Doñana Biological Station, Spanish National Research Council
726. Cristina Zamora, PhD, University of Valladolid
727. Marta I. Sánchez, Research Scientist or Scholar, EBD-CSIC
728. Antonio R. Castilla, Post-Doctoral Fellow, Centre for Applied Ecology "Prof. Baeta Neves"
729. Jordi Martínez-Vilalta, Professor; Research Scientist or Scholar, CREAM & Autonomous Univ. Barcelona
730. Juan José Negro, Research Scientist or Scholar, Estación Biológica de Doñana-CSIC
731. Ángel Blázquez Carrasco, PhD Candidate, Universidad de Córdoba
732. Francisco Garcia Gonzalez, Research Scientist or Scholar, Estación Biológica de Doñana (CSIC, Spanish Research Council)
733. Àigo Granzow-de la Cerda, Professor, Centre for Ecological Research and Forestry Applications (CREAF) and Autonomous University of Barcelona
734. Lucía del Moral-España, Research Scientist or Scholar, Universidad Pablo de Olavide
735. Andrés J. Cortés, Research Scientist or Scholar, University of Gothenburg
736. Belén Floriano, Professor, Pablo de Olavide University
737. Marco Visser, Post-Doctoral Fellow, Princeton University
738. Daniel M. Griffith, Professor, Universidad Técnica Particular de Loja, Loja, Ecuador
739. Cristina Aponte, Research Scientist or Scholar, The University of Melbourne
740. Richard C. Brusca, Executive Director Emeritus, Arizona-Sonora Desert Museum, Tucson, Arizona
741. Javier Bustamante, Research Scientist or Scholar, CSIC
742. Stephen D. Hopper AC, Professor, The University of Western Australia, and former CEO and Chief Scientist, Royal Botanic Gardens Kew
743. H. Jesse Dubin, PhD; Principal Plant Pathologist, CIMMYT [Retired]
744. Alicia Florit, Jefa del Servicio de Planificación en el Medio Natural de la CMAIP, Consejera de Medio Ambiente, Agricultura y Pesca (CMAIB) del Govern de les Illes Balears
745. Antonia Maria, Research Scientist or Scholar, Palma municipality
746. Carlos Ibáñez, Professor, Estación Biológica de Doñana (CSIC)
747. Juan Carlos Moreno Saiz, Professor, Universidad Autónoma de Madrid
748. Sara Sánchez Moreno, Research Scientist or Scholar, National Institute for Agricultural and Food Research and Technology
749. Marta Rueda, Post-Doctoral Fellow, EBD-CSIC
750. Fátima Alves, Professor, CFE, Science for People and the Planet, University of Coimbra; Universidade Aberta, Portugal

752. Luc a DeSoto, Post-Doctoral Fellow, Centre for Functional Ecology, University of Coimbra
753. Peter Horvath, PhD Candidate, University of Oslo
754. Christian Levers, Post-Doctoral Fellow, Humboldt-Universit t zu Berlin
755. Maria Jesus Beltran, Adjunct professor, Pablo de Olavide University
756. Bel n Fern ndez Santos, Research Scientist or Scholar, Universidad de Salamanca
757. Rub n Torices, Post-Doctoral Fellow, Estaci n Experimental de Zonas  ridas, CSIC, Spain
758. Mireia Llorente, Post-Doctoral Fellow, Universidad de Extremadura
759. Enrique de la Monta a, Professor, Universidad Laica Eloy Alfaro de Manab  (Ecuador)
760. Gerardo Moreno, Professor, Universidad de Extremadura
761. Laetitia Lenel, PhD Candidate, Humboldt-University Berlin
762. David Suzuki, Professor Emeritus;PhD, Professor Emeritus UBC
763. Eric W Crawford, Professor, Michigan State University
764. Miguel A. Rodr guez-Giron s, Research Scientist or Scholar, Estaci n Experimental de Zonas  ridas (Spanish National Research Council)
765. Tommaso Anfodillo, Professor, Forest ecology group, Dept. TESAF, University of Padova - ITALY
766. Tim Beringer, Research Scientist, Mercator Research Institute on Global Commons and Climate Change
767. Exequiel Ezcurra, Professor, University of California Riverside
768. Adriana Afonso Spielmann, Professor, Universidade Federal de Mato Grosso do Sul
768. Greg rio Ceccantini, Professor, University of S o Paulo
769. Giuliano Maselli Locosselli, Post-Doctoral Fellow, University of S o Paulo
770. Sir Alan Mark, FRSNZ, Professor Emeritus, University of Otago
771. Marie Tiffany Knight, Professor, Heimholtz Centre for Environmental Research (UFZ)
772.  d m K r si, Post-doctoral fellow, MTA-ELTE-MTM Ecology Research Group
773. Mikl s B n, Phd, University of Debrecen
774. Mauricio Diazgranados, Research Scientist, Royal Botanic Gardens, Kew
775. Dr. Dieter Anhuf, Professor, University of Passau
776. L. Javier Palom, Professor, University of M laga (Spain)
777. Verena Seufert, Post-Doctoral Fellow, Karlsruhe Institute of Technology (KIT)
778. Ben Phalan, Research Scientist, Oregon State University
779. Jorge Curiel Yuste, Professor, Basque Center for Climate Change
780. G nther Seufert, Senior Scientist (retired), EC -Joint Research Centre
781. Jenny Nelson, FRS, Professor, Imperial College London
782. Astrid Helena Huechacona Ruiz, Centro de Investigaci n Cient fica de Yucat n
783. Patrick Gonzalez, Associate Adjunct Professor, University of California, Berkeley
784. Werner Arber, Emeritus Professor of Molecular Mikrobiology, University of Basel, Winner Nobel Prize.