

Gabriel Schwaderer CEO of EuroNatur gabriel.schwaderer@euronatur.org 78315 Radolfzell, Germany

Ulrich Eichelmann CEO of RiverWatch ulrich.eichelmann@riverwatch.eu 1070 Vienna, Austria

Vienna, Radolfzell, January 2014

To Sir Suma Chakrabarti President of the EBRD London EC2A 2JN, UK

Dr. Jim Yong Kim President of the World Bank Washington, DC 20433, USA

Open Letter: Mavrovo Resolution - Scientists against dams in Mavrovo NP

Dear Sir Suma Chakrabarti, dear Dr. Jim Yong Kim,

We write this open letter appealing to you to retract your institutions' funding of a hydropower project in the Mavrovo National Park, Macedonia.

The Mavrovo National Park – recognised by the International Union for the Conservation of Nature (IUCN) – is one of Europe's oldest national parks. According to the IUCN, national parks are areas set aside to protect large-scale ecosystems from human interference. They are meant to preserve ecological processes and natural biodiversity. As such, they are absolute no-go areas for large-scale dams or any other destructive forms of land use.

Your institutions are about to finance hydropower projects inside this national park. The EBRD is set to fund 'Boshkov Most' while the World Bank is considering financing 'Lukovo Pole'. Not only are these projects threatening specific habitats that this national park provides for many endangered species, they also undermine the very idea of national parks in general. Furthermore, the dam projects violate EU law, such as the Natura 2000 Directives and the Water Framework Directive.

We are scientists from all over the world who are concerned with ecosystems and biodiversity. We all consider it essential to preserve areas of high ecological value and protecting our existing national park system is an indispensable component of this aim. We are surprised that your institutions have even considered supporting these dam projects.

Dear Sir Suma Chakrabarti, dear Dr. Jim Yong Kim, we trust that you do not wish to take part in projects that would degrade the ecosystems and biodiversity of Mavrovo NP and that you respect the fundamental aims and defining criteria of national parks. Therefore, we urge you to reconsider your institutions' position to fund these projects.

Fil Lelmaden Jahillen

Respectfully,

## Signed by:

- 1. Friedrich Schiemer, Prof. Dr., Department Limnology, University of Vienna, Austria
- 2. Ljupcho Melovski, Prof. Dr., Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University in Skopje, Macedonia
- 3. Jörg Freyhof, Dr., IUCN-SSC/WI Freshwater Fish Specialist Group, Leibniz Institute of Freshwater Ecology and Inland Fisheries, Germany
- 4. Anna Roos, PhD, IUCN OSG, Department for Environmental Research and Monitoring, Swedish Museum of Natural History, Sweden
- 5. Bernhard Schön, Dipl.Ing., IUCN-WCPA; University of Vienna, Austria
- 6. Nicole Duplaix, Dr., IUCN/SSC, Fisheries and Wildlife Department, Oregon State University, USA
- 7. Michaela Bodner, Mag., Head of Heidenreichstein Mire Nature Park, Austria
- 8. Gwenaël Imfeld, PhD (Habil), National Center for Scientific Research, France
- 9. Franz Essl, Ass.Prof. Dr., Department of Conservation, Vegetation and Landscape Ecology, University of Vienna, Austria
- 10. Leopold Füreder, Mag. Dr., ao.Univ.-Prof, Institute of Ecology, University of Innsbruck, Austria
- 11. Karl Hülber, Dr., Department of Conservation Biology, Vegetation Ecology and Landscape Ecology, University of Vienna, Austria
- 12. Thomas Wrbka, Ass. Prof. Dr., Department of Conservation Biology, Vegetation and Landscape Ecology, University of Vienna, Austria
- 13. Emil Dister, Prof. Dr., Institute of Geography and Geoecology, Karlsruhe Institute of Technology, Germany
- 14. Walter Arnold, Prof. Dr., Department of Integrative Biology and Evolution, University of Veterinary Medicine, Vienna, Austria
- 15. Bernd Gerken, Prof. Dr., Portugal
- 16. Heiko Brunken, Prof. Dr., Faculty of Nature and Engineering, Hochschule Bremen, Germany
- 17. Amarasinha Gunatilaka, PhD, Limnologist and Environmental Consultant, Austria
- 18. Jörg Ott, Dr., (retired), Department for Limnology and Bio-Oceanography, University of Vienna, Austria
- 19. Konrad Fiedler, Univ.-Prof. Dr., Department of Tropical Ecology and Animal Biodiversity, University of Vienna, Austria
- 20. Gerhard Imhof, Dr., Limnologist, Austria
- 21. Constantin E. Pöll, Mag., Department of Conservation Biology, Vegetation- and Landscape Ecology,
  - University of Vienna, Austria
- 22. Felicia Pia Lener, Mag.a, Ecologist and Biologist, Austria
- 23. Hubert Keckeis, Ao. Univ. Prof. Dr., Department Limnology and Oceanography, University of Vienna, Austria
- 24. Hermann Schacht, em. Univ.Prof. Dipl.-Ing., Institute for Landscape Development, Recreation and Conservation Planning, University of Natural Resources and Life Sciences, Vienna, Austria
- 25. Roland Psenner, o.Univ.-Prof. Dr., Research Group Alpine Soace, University of Innsbruck, Austria
- 26. Jakub Zarsky, Mag., Researcher, Czech Republic
- 27. Christian Scheder, Mag., Aquatic Ecology and Engineering, Austria
- 28. Ingrid Schmitzberger, Mag., Ecologist, Austria
- 29. Carina Rofner, MSc, Institute of Ecology, University of Innsbruck, Austria
- 30. Steven Weiss, Dr. Assoc. Prof., Institute of Zoology, Karl-Franzens University Graz, Austria

- 31. Savrina Carrizo, Dr., Programme Officer, Freshwater Biodiversity Unit, International Union for the Conservation of Nature, UK
- 32. Erhard Christian, Prof. Dr., Institute of Zoology Vienna, University of Natural Resources and Life Sciences, Austria
- 33. Laszlo Rakosy, Prof. Dr., Department Taxonomy and Ecology, Babes-Bolyai Univerity, Romania
- 34. Johann Waringer, Ao. Prof. Dr., Department of Limnology and Oceanography, University of Vienna, Austria
- 35. Erich Hübl, em.o. Prof. Dr. h.c., Austria
- 36. Winfried Bücking, Dr., Biology in the Baden-Württemberg State Forest Research Institute, Germany
- 37. Lucian A. Teodor, Dr., Department of Taxonomy and Ecology, Babeş-Bolyai University, Romania
- 38. Cristina Craioveanu, Dr., Department of Taxonomy and Ecology, Babes-Bolyai University, Romania
- 39. Michael Succow, Prof.em.Dr., Institute of Botany and Landscape Ecology, Ernst-Moritz-Arndt-University Greifswald; Michael Succow Foundation for the Protection of Nature, Germany
- 40. Hans Joosten, Prof. Dr. h.c., Institute of Botany and Landscape Ecology, International Mire Conservation Group ,Germany
- 41. Gregory Egger, Priv.-Doz. Mag. Dr., Umweltbüro, Austria
- 42. Mathias Jungwirth, Univ. Prof. Dr., Dept. of Water, Atmosphere and Environment, University of Natural Resources & Applied Life Sciences Vienna, Austria
- 43. Stefan Bouzarovski, PhD, School of Environment, Education and Development, University of Manchester, UK
- 44. Thomas Frank, Univ. Prof. Mag. Dr., Department of Integrative Biology and Biodiversity Research, University of Natural Resources and Life Sciences, Vienna, Austria
- 45. Stoyan Beshkov, Assoc. Prof. Dr., Invertebrates Department, National Museum of Natural History, Bulgaria
- 46. Johannes Gepp, Univ. Doz. Prof. Dr., Institute of Conservation and Landscape Ecology, Austria
- 47. Robert A. Patzner, Univ. Prof. Dr., Organismic Biology, University of Salzburg, Austria
- 48. Harald Matz, OStR Mag., Mire Ecologist, Austria
- 49. Wilfried Robert Franz, Univ.- Doz. Mag. Dr., NSCH Board; Landesumweltanwaltschaft, Austria
- 50. Borislav Sandov, MSc, Climate Action Coalition Bulgaria
- 51. Paul Humphries, Dr., School of Environmental Sciences, Charles Sturt University, Australia
- 52. Astrid Schmidt-Kloiber, Dr., Senior Scientist, University of Natural Resources and Life Sciences, Vienna, Austria
- 53. Hans D. Knapp, Prof. Dr., Institute of Botany and Landscape Ecology, Ernst-Moritz-Arndt-University Greifswald, Germany
- 54. Christian Berg, Dr. rer. nat. habil., Institute of Plant Sciences, Karl-Franzens-University of Graz, Austria
- 55. Gerhard M. Tarmann, Prof. Dr., SEL Societas Europaea Lepidopterologica; Department of Natural Science at the Tiroler Landesmuseen, Austria
- 56. Georg Grabherr, Prof Dr., Department of Conservation Biology Vegetation Ecology and Landscape Ecology, University of Vienna, Austria
- 57. Rudolf Zechner, Univ. Prof. Dr., Institute of Molecular Biosciences, University of Graz, Austria
- 58. Spase Shumka, Dr., Department of Natural Sciences, Agricultural University of Tirana, Albania

- 59. Holger Wesemüller, DI, (retired), EUROPARC, Germany
- 60. Boyan Zlatkov, Dr., Faculty of Biology, Sofia University St. Kliment Ohridski, Bulgaria
- 61. Simon H. Visser, Ir., (retired), National Agency for Cultural Heritage, The Netherlands
- 62. Voislav Vasić, PhD, (retired), Ornithologist, Natural History Museum, Belgrade, Serbia
- 63. Dragan Petrov Chobanov, PhD, Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Bulgaria
- 64. Vladimir T. Krpach, Prof. Dr., Entomological Society for Investigation and Conservation of Biodiversity and sustainable Development of Natural Ecosystems, Macedonia
- 65. Geert De Knijf, Dr., Research Institut of Nature and Forest, Brussels, Belgium
- 66. Ioan Ghira, Dr., Department of Taxonomy and Ecology, Babes-Bolyai University, Romania
- 67. Uwe K. Simon, Dr., Institute for Plant Science, Karl-Franzens-University Graz, Austria
- 68. Siegmar-W. Breckle, Prof. aD. Dr., Department Ecology, Bielfeld University, Germany
- 69. Ingo Kowarik, Prof. Dr., Department of Ecology, Technische Universität Berlin; State Commissioner for Nature Conservation, Berlin, Germany
- 70. Christine von Weizsäcker, Dipl.Biol., Ecoropa, Germany
- 71. Ricarda Steinbrecher, Dr., EcoNexus; Ecoropa, GB
- 72. Florianne Koechlin, Dr., Ecoropa, Switzerland
- 73. Jacques Grinevald, Prof., (retired), Development Studies, Graduate Institute of International and Development Studies, Switzerland
- 74. Wolfgang Sachs, Prof. Dr., Wuppertal Institute for Climate, Environment and Energy, Germany
- 75. Ernst von Weizsäcker, Prof. Dr. Dr h.c., Germany
- 76. Susanne Gura, Dr., EcoNexus, Germany
- 77. Ulf Doerner, Dipl. Ing., GreenTech, Germany
- 78. Hartmut Mayer, Dr., GIGA German Institute of Global and Area Studies, Germany
- 79. Elisabeth Bücking, Dipl. Biol., PhD, (retired), Germany
- 80. Hermann E. Ott, Dr., Wuppertal Institute for Climate, Environment and Energy, Climate Network Europe, Germany
- 81. Reinhard Loske, Prof. Dr., Witten/Herdecke University, Germany
- 82. Gilles-Eric Seralini, Prof., Molecular Biology, University of Caen, France
- 83. Mathias Finger, Prof., Switzerland
- 84. Axel Paulsch, Dr., Institute for Biodiversity Network, Germany
- 85. Emmanuel Gritti, Dr., INRA, France
- 86. Julian Rode, Dr., Helmholtz-Center for Environmental Research, Leipzig, Germany
- 87. Jean-Baptiste Mihoub , Dr., Dept. of Conservation Biology, Helmholtz Centre for Environmental Research, Germany
- 88. Brigitta Erschbamer, Univ.-Prof. Dr., Institute of Botany, University of Innsbruck, Austria
- 89. Aleko Miho, Prof., Department of Biology, University of Tirana, Albania
- 90. Jula Selmani, MSc, Ministry of Environment, Albania
- 91. Lefter Kashta, Prof. Dr., Research Center for Flora and Fauna, University of Tirana, Albania
- 92. Bejo Duka, Prof., Department of Physics, University of Tirana, Albania
- 93. Laura Gjyli, PhD. Cand., Department of Medicine, University Aleksander Moisiu, Durres, Albania
- 94. Franz Speta, Univ.-Doz. Dr., (retired), Biology Centre Linz, Austria
- 95. Elise Speta, Dr. Foundation for Nature of the Naturschutzbundes Upper Austria, Austria
- 96. Barbara Ruthsatz, Prof. Dr., (retired), Department of Geobotany, Trier University, Germany
- 97. Mario F. Broggi, PD Dr., formerly Swiss Federal Institute for Forest, Snow and Landscape Research WSL, Liechtenstein
- 98. Mimoza Milo, MSc, Natural Science Faculty, Tirana University, Albania

- 99. Lydia Schlosser, Mag., Ecologist at Ökoteam, Austria
- 100. Kurt Zukrigl, Univ.Prof.i.R. DI. Dr., Institute of Botany, University of Natural Resources and Life Sciences, Vienna, Austria
- 101. Hubert Weiger, Prof. Dr., Department for Ecological Site and Vegetation Studies, University of Kassel, Gemany
- 102. Axel Gruppe, Dr. rer. nat., Dipl.- Ing. agr., Department Ecology and Ecosystem Management, Technische Universität München, Germany
- 103. Eric Egerer, Dipl.Ing., Forum of Austrian Scientists for Conservation, Austria
- 104. José Antonio Donázar, Dr., Department of Conservation Biology, Doñana Biological Station, Spanish Council of Research, Spain
- 105. Wolfgang W. Weisser, Prof. Dr., Department of Ecology and Ecosystemmanagement Technische Universität München, Germany
- 106. Traudlinde Aigner, Dr.a phil., Zoologist/Biochemist, Austria
- 107. Perikli Qiriazi, Prof. Dr., Department of Geography, University of Tirana, Albania
- 108. Glícia Maria Torres Calazans Brunken, Prof., Department of Biological Sciences, Federal University of Pernambuco, Recife, Brazil
- 109. Kurt Pinter, DDI, Institute for Hydrobiology & Water Management, University of Natural Resources and Applied Life Sciences, Austria
- 110. Wolfram Graf, Univ. Ass. Prof., Institute for Hydrobiology & Water Management, University of Natural Resources and Applied Life Sciences, Austria
- 111. Susanne Muhar, Ao. Univ. Prof. Dr., Institute for Hydrobiology & Water Management, University of Natural Resources and Applied Life Sciences, Austria
- 112. Anne Hartmann, Dr., Institute for Hydrobiology & Water Management, University of Natural Resources and Applied Life Sciences, Austria
- 113. Helga Kremser, DI, Institute for Hydrobiology & Water Management, University of Natural Resources and Applied Life Sciences, Austria
- 114. Carina Mielach, DDI, Institute for Hydrobiology & Water Management, University of Natural Resources and Applied Life Sciences, Austria
- 115. Andreas Melcher, DI Dr., Institute for Hydrobiology & Water Management, University of Natural Resources and Applied Life Sciences, Austria
- 116. Michaela Poppe, Dr., Institute for Hydrobiology & Water Management, University of Natural Resources and Applied Life Sciences, Austria
- 117. Roland Albert, Univ.-Prof. Dr., Department for Microbiology and Ecosystem, University of Vienna, Austria
- 118. Giorgos Catsadorakis, PhD, Ornithologist-Conservation Biologist, Greece
- 119. Joan Davies, Dr., ARC Aquatics Research and Consultancy, Switzerland