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Groffman was/is a member of the U.S. National Committee for Soil Science, the National Science Foundation Long-Term Ecological Research network Executive Board, the NOAA Gulf of Mexico Hypoxia Nutrient Reduction Workgroup, the Working Group on Aquatic Terrestrial Biogeochemistry at the National Center for Ecological Analysis and Synthesis (NCEAS), the Working Group on Trace Gas Fluxes at NCEAS, and the Expert Group on N₂O and CO₂ Emissions from Agricultural Soils, IPCC/Organization for Economic Cooperation and Development (OECD) Programme on National Greenhouse Gas Inventories. He was a lead author for the Second (Wetlands) and Third (North America) Assessment Reports of the Intergovernmental Program on Climate Change (IPCC) and a Convening Lead Author for the 2013 U.S. National Climate Assessment Chapter on Ecosystems, Biodiversity and Ecosystem Services. He currently serves on the editorial board of *Ecosystems* and was chair of the Biogeosciences Section of the Ecological Society of America (ESA) (2009 – 2011), of the Soil Ecology Section of the ESA (1997 – 1999), and of the Wetland Soils Section of the Soil Science Society of America (2002 – 2003).