

Nature, climate change, local democracy

 rdai.com.br/index.php/rdai/article/view/carducci2022



Authors

Michele Carducci Università del Salento (Lecce, Puglia, Itália)

DOI:

<https://doi.org/10.48143/rdai.21.carducci>

Keywords:

nature, climate change, International Environmental Law, environmental democracy, eco-democracy, climate mandate

Abstract

The study explores debates and experiences on local democracy, nature and climate change, proposing a comparison based on ecological criticisms of environmental law. First, it reconstructs the link between the three elements and identifies the main ecological criticisms of environmental democracy. Then compares two models of environmental participation (“optative” and “prescriptive”), in the context of the threefold contemporary emergency (ecosystem, climate and fossil). Finally, it takes into consideration the litigation strategy and “eco-democracy” practices as reactions to these emergencies, in the contextual identification of the “climate mandate” as a new deliberative prescription for the “sustainable protection”.

Author Biography

Michele Carducci, Università del Salento (Lecce, Puglia, Itália)

Doutor em Direito Constitucional pela Universidade de Bolonha, Professor Catedrático na Universidade de Salento, Lecce, Puglia, onde leciona direito constitucional, direito comparado e socioambiental.

michele.carducci@unisalento.it |  [0000-0002-5779-277X](#)

References

A. Bahadur, T. Tanner, Transformation: Theory and practice in climate change and development, IDS, London 2012.

A. Daly, C. Archbold, Energy Democracy, Renewables and the Paris Agreement, in Intellectual Property and Clean Energy, 2018, p.427-447.

A. Dobson, Democracy and Nature: Speaking and Listening, in Political Studies, n.58, 2010, p.752-768.

Â. Guimarães Pereira, S. Funtowicz (eds.), Science for Policy: New Challenges, New Opportunities, Oxford Univ. Press, Oxford 2009.

A. Médici, La Constitución horizontal, Centro de Estudios Jurídicos y Sociales Mispat, San Luis Potosí 2012.

A. Noguera Fernandez, El derecho a la resistencia como garantía de los derechos en el sistema constitucional ecuatoriano, in Teoria Jurídica Contemporânea, a. 2, n.1, 2017, p.94-118.

A. Rossi, D. Biolghini, I percorsi attorno all'agricoltura nella cornice dell'economia solidale, in Agriregionieuropa, Anno 12, n.45, 2016, p.1-6.

AMS, Explaining Extreme Events from a Climate Perspective (Report 2018).

B. Commoner, Failure of the Environmental Effort, in Environmental Law Rep. News & Analysis, Vol. 18, n.10195, 1988, p. 1-7.

B. de Sousa Santos, J.M. Mendes (eds.), Demodiversity, Routledge, London-Abingdon 2020. Ma v. anche S. Bagni (a cura di), Come governare l'ecosistema? How to govern the Ecosystem? ¿Como gobernar el ecosistema?, Università di Bologna, Bologna 2018.

B. Holden (a cura di), The Ethical Dimensions of Climate Change, Macmillan, London 1996, e Democracy and Global Warming, Continuum, London 2002.

B. Smith, H. Spaling, Methods for “Cumulative Effects Assessment”, in Environmental Impact Assessment Review, n.15, 1995, p.81-106.

B. Vanheusden, L. Squintani (eds.), EU Environmental and Planning Law. Aspects of LargeScale Projects, Intersentia, Cambridge-Antwerp-Portland 2016.

B.D. Santer, C.J.W. Bonfils, Q. Fu et al., Celebrating the Anniversary of Three Key Events in Climate Change Science, e A. Hall, p.Cox, C. Huntingford et al. Progressing Emergent Constraints. B.D. Santer, S. Po-Chedley, M.D. Zelinka et al., Human Influence on the Seasonal Cycle of Tropospheric Temperature, in Science, v.361, n.6399, 2018, p.1-11.

C. Cockling, S. Parker, J. Hay, Notes on Cumulative Environmental Change I: Concepts and n. s, in Journal of Environmental Management, n.32, 1992, p.31-49.

C. Contant, L. Wiggins, Defining and Analyzing Cumulative Environmental Impacts, in Environmental Impact Assessment Review, n.11, 1991, p.297-309.

C. Lundmark, Eco-democracy: A Green Challenge to Democratic Theory and Practice, Umeå Universitet Doctoral dissertation, University Printing Office, Umeå 1998.

C. Lyona, D. Cordellb, B. Jacobs et al., Five pillars for stakeholder analyses in sustainability transformations: The global case of phosphorus, in Environmental Science and Policy, n.107, 2020, p. 80-89.

C.S. Holling, Understanding the Complexity of Economic, Ecological, and Social System, in Ecosystems, n.4, 2001, p. 390-405.

Centro de Documentação em Conflitos Ambientais (CDCA): <http://cdca.it>

Club of Rome, transnational networks, and the 1970s in global history, in Journal of Global History, n.12, 2017, p.26-48.

Conforme: L. Lanes Pilau Sobrinho, N.S. Stainr Pires, Biodemocracia: uma leitura a partir da decolonialidade do saber, in Revista de direito ambiental e sociedade, a. 8, n.1, 2018, p.7-23.

Curry, E. Crist, The significance of ecocentric vision, in The Ecological Citizen, v. 3 Suppl. C, 2020, p. 5-7.

D. Bourg, Pour une 6e République écologique, Odile Jacob, Paris 2011.

D. Ungaro, Democrazia ecologica, Laterza, Roma-Bar, 2006. on Future Climate Change, entrambi in Nature Climate Change, n.9, 2019, rispettivamente. p. 180- 182 e p. 269-278;

D.D. Briske, A.W. Illius, J.M. Andries, Nonequilibrium Ecology and Resilience Theory, Springer, Cham 2017. p. 257-279;

D.E. Tosi, Emergenza e tutela ambientale nel sistema delle fonti, in Rivista Giuridica AmbienteDiritto.it, n.4, 2019, p.124-142.

De Santoli, Le comunità dell'energia, Quodlibet, Macerata 2011; D. Fairchild, A. Weinrub, Energy Democracy, Springer, Cham 2017.

Dichiarazione ONU del 1998, dall'Environmental Defenders Policy
<https://www.unenvironment.org> e dalle linee OSCE (in particolare la n. 40) sulla Protezione dei difensori dei diritti umani <https://www.osce.org>

E. Contipelli, Da governança dos comuns ao policentrismo, in Revista Jurídica FURB, v.24, n.53, 2020, p.1-18.

E. Gómez-Bagethun, The History of Ecosystem Services in Economic Theory and Practice: From Early Notions to Markets and Payment Schemes, in Ecological Economics, n.69, 2010, p.1209-1218.

E. Gudynas, Derechos de la Naturaleza. Ética biocéntrica y políticas ambientales, RedGE-Claes et al., Lima 2014, e El mandato ecológico, Abya Yala, Quito 2009.

E. Lambert, The Environment and Human Rights. Introductory Report to the High-Level Conference Environmental Protection and Human Rights, Strasbourg, 27 February 2020.

E. Page, Climate Change, Justice, and Future Generations, Edward Elgar, Cheltenham 2006.

E.B. Barbier, The Concept of Sustainable Economic Development, in Environmental Conservation, v.14, n.2, 1987, p.101-110.

E.C. Ellis, K.K. Goldewijk, S. Siebert et al., Anthropogenic Transformation of the Biomes, 1700 to 2000, in Global Ecology and Biogeography, v.19, n.5, 2010, p.589-606;
<http://www.globallandproject.org> | <http://www.ecotope.org>

E.C. Ellis, n. Ramankutty, Putting People in the Map: Anthropogenic Biomes of the World, in Frontiers in Ecology and the Environment, v.6, n.8, 2008, p.439-447;

Environmental Democracy Index <https://www.environmentaldemocracyindex.org> ed EnviroDemocracy & Access Rights <https://www.ciel.org>

European Political Strategy Center, 10 Trends Shaping Democracy in a Volatile World, EU Commission, Bruxelles 2019.

F. Cuturi (a cura di), La Natura come soggetto di diritti. Prospettive antropologiche e giuridiche a confronto, Ed.It., Firenze 2020 (in corso di stampa).

F. Mathews (a cura di), Ecology and Democracy, Frank Cass, London 1996;

F. Sciarretta, La declinazione democratica dell'amministrazione, in Rivista AIC, n.3, 2020, p.1-24.

F. Sindico, M. Makane Mbengue (eds.), Comparative Climate Change Litigation: Beyond the Usual Suspects, Springer, Cham 2020.

F. Zeitner, Das Non-ComplianceVerfahren der Aarhus-Konvention, in Zeitschrift für Europäisches Umwelt- und Planungsrecht, Vol. 17, Issue 2, 2019, p. 159-168.

F.W. Geels, B. K. Sovacool, T. Schwanen, S. Sorrell, The Socio-Technical Dynamics of LowCarbon Transitions, in Joule, n.1, 2017, p.463-479.

F.W. Geels, Changing the Climate Change Discourse, in Joule, n.4, 2020, p.10-20.

G. Baggio, La scienza tra ‘normalità’ e ‘post-normalità’, in Salesianum, n.76, 2014, p.497-515.

G. Chapron, Y. Epstein, J.V. López-Bao, A Rights Revolution for Nature, in Science, v.363, n.6434, 2019, p.1392-1393.

G. Colavitti, Il “dibattito pubblico” e la partecipazione degli interessi nella prospettiva costituzionale del giusto procedimento, in Amministrazione in cammino, 9 aprile 2020, p.1-33,

G. Garofalo, Classificação das formas jurídicas das unidades jurídicas, Istat, Roma 2005.

G. Moraes Porto, Michel Foucault e o governo pastoral: um paradigma de exercício político, in Revista Jurídica Luso Brasileira, a. 6, n.3, 2020, p.799-828, e, più in generale, G. Contogeorgis, Epistemologia della democrazia e modernità, in Diacronie, v.27, n.3, 2016, p.1-19.

G. Pepe, Il modello della democrazia partecipativa tra aspetti teorici e profili applicativi. Un'analisi comparata, Cedam, Padova 2020.

G. Sgueo, The Practice of Democracy, European Parliamentary Research Service, Bruxelles 2020.

G.J. Aguilar Cavallo, El derecho humano a un medio ambiente sano, la participación pública y el jus commune, in Veredas do Direito, Ano 16, n.36, 2019, p. 41-66.

Gen. J. Kokott nella causa C-127/02, dove, al §143, si puntualizza che “the protection of common natural heritage is of particular interest but not a right established for the benefit of individuals”.

H. Bulkeley, A.P.J. Mol, Participation and Environmental Governance: Consensus, Ambivalence and Debate, in Environmental Values, n.12, 2003, p. 143154;

H. Kopnina, If animals could talk: Ecological citizenship and the Dutch Party for Animals, in Animal Studies Journal, v.8, n.1, 2019, p.58-189.

H. Kopnina, Party for Animals: Introducing students to the democratic representation of non-humans, in Society and Animals, 2019, p.1-21.

H. Spaling, B. Smith, Cumulative Environmental Change: Conceptual Frameworks, Evaluation Approaches and Institutional Perspectives, in Environmental Management, n.17, 1993, p.587-600.

H. Washington, B. Taylor, H. Kopnina et al., Why ecocentrism is the key pathway to sustainability, in The Ecological Citizen, Vol. 1, n.1, 2017, p. 32-41;

H. Washington, G. Chapron, H. Kopnina et al., Foregrounding ecojustice in conservation, in Biological Conservation, n.228, 2018, p. 367-374; P

I. Scoones, Sustainable Livelihoods and Rural Development, Practical Action Publishing, Plymouth 2015.

IDEA The Sustainable Development Goals and the Global State of Democracy Indices (2019) in <http://www.idea.int>

International Bar Association, Model Statute for Proceedings Challenging Government Failure to Act on Climate Change, IBA, London 2020.

J. Cook, n.Oreskes, P.T. Doran et al., Consensus on Consensus: a Synthesis of Consensus Estimates on Human-Caused Global Warming, in Environmental Research Letters, v.11, n.4, 2016, p.1-8.

J. Earle, C. Moran, Z. Ward-Perkins, *The Econocracy*, Manchester Univ. Press, Manchester 2017.

J. Fairhead, M. Leach, I. Scoones, Green Grabbing: a new appropriation of nature? in Journal of Peasant Studies, v.39, n.2, 2014, p.237-261.

J. Gray, A. Wienhues, H. Kopnina, J. DeMoss, Ecodemocracy: Operationalizing ecocentrism through political representation for non-humans, in *The Ecological Citizen*, v.3, n.20, 2020, p.166-177.

J. Gray, p.Curry, Representation for Nature: Ecodemocratic decision-making as a practical means of integrating ecological and social justice, in H. Kopnina, H. Washington (eds.), *Conservation: Integrating Social and Ecological Justice*, Springer, Heidelberg 2020, p.155-166.

J. Jendrośka, M. Bar (eds.), *Procedural Environmental Rights: Principle X in Theory and Practice*, Cambridge Univ. Press, Cambridge 2017.

J. Mansbridge, The role of the State in governing the Commons, in *Environmental Science & Policy*, v.36, 2014, p.8-10;

J. Nedelsky, Reconceiving Rights as Relationship, in *Review of Constitutional Studies/ Revue d'Études Const.*, v.1, n.1, 1993, p.1-26.

J. Noël, The Chilling Effect of Oil & Gas Money on Democracy, Clean Water Action, Washington DC 2016;

J. O'Neill, Who Speaks for Nature?, in Y. Haila, C. Dyke (eds.), *How Nature Speaks: The Dynamics of the Human Ecological Condition*, Duke Univ. Press Books, Durham (NC) 2006, p.261-278.

J. Pickering, K. Bäckstrand, D. Schlosberg, Between Environmental and Ecological Democracy, in *Journal of Environmental Policy & Planning*, v.22, n.1, 2020, p.1-15.

J. Rigo Santin, Princípio da participação na Constituição do Estado do Rio Grande do Sul - Brasil: avanços e retrocessos, in *Revista Jurídica Luso Brasileira*, a. 6, n.3, 2020, p.1005-1033.

J.D. Olden, L. Comte, X. Giam, The Homogocene: a research prospectus for the study of biotic homogenization, in *NeoBiota*, n.37, 2018, p.23-36.

J.E. Campillo Álvarez, *Homo climaticus*, Crítica, Barcelona 2008.

J.G. Laitos, L.-J. Wolongevicz, Why Environmental Laws Fail, in *William & Mary Environmental Law & Policy Review*, v.39, n.1, 2014, p.1-52.

J.L. Powell, The Consensus on Anthropogenic Global Warming Matters, in Bulletin of Science, Technology & Society, v.36, n.3, 2016, p.157-163.

K. Bäckstrand, Civic Science for Sustainability: Reframing the Role of Experts, Policy-makers and Citizens in Environmental Governance, in Global Environmental Politics, Vol. 3, Issue 4, 2003, p. 24-41,

K. Shrader-Frechette, Environmental Justice: Creating Equity, Reclaiming Democracy, Oxford Univ. Press, New York 2002;

K. Singh, Chronic Disturbance, a Principal Cause of Environmental Degradation in Developing Countries, in Environmental Conservation, v.25, n.1, 1998, p.1-2.

K.H. Whiteside, A representative politics of nature? Bruno Latour on collectives and constitutions, in Contemporary Political Theory, v.12, n.3, 2013, p.185-205,

L. Carbonara, Il principio di partecipazione nel procedimento ambientale, in Giustizia amministrativa, 2012, 1-26;

G. Pizzanelli, La partecipazione dei privati alle decisioni pubbliche, Giuffrè, Milano 2010.

L. Padovani, p.Carrabba, F. Mauro, L'approccio ecosistemico: una proposta innovativa per la gestione della biodiversità e del territorio, ENEA, Roma 2003.

L. Timma, A. Blumberga, G. Bazbauers, D. Blumberga, Novel tools to study socio-technical transitions in energy systems, in Energy Procedia, n.128, 2017, p.418-422.

L.J. Kotzé, R.E. Kim, Earth system law: The juridical dimensions of earth system governance, in Earth System Governance, n.1, 2019, p. 1-12, e l'iniziativa Task force on Earth System Law <http://earthsystemgovernance.net>

L.M. Poloni-Staudinger, Are consensus democracies more environmentally effective? in Environmental Politics, v.17, n.3, 2008, p.410-430.

M. Carducci, È (im)possibile la repubblica dei beni comuni? Da Kouroukanfouga alle autogestioni locali e ritorno, in H-ermes. Journal of Communication, n.11, 2018, p.41-62.

M. Carducci, La “legge europea sul clima” e l’insidia della normazione simbolica, in <http://www.lacostituzione.info> 6 marzo 2020.

M. Carducci, S. Bagni, M. Montini et al., Towards an EU Charter of the Fundamental Rights of Nature. Study, European Economic and Social Committee, Bruxelles 2020.

M. Federici Gomes, L.J. Ferreira, Amicus Curiae democrático, in Revista Direitos Fundamentais & Democracia, v.25, n.2, 2020, p.283-313.

M. Gartin, K.L. Larson, A. Brewis et al., Climate Change as an Involuntary Exposure, in International Journal of Environmental Research and Public Health, v.17, n.1894, 2020, p.2-17.

M. Kaiser, Reactions to the Future, in *Nanoethics*, n.9, 2015, p.165-177.

M. Pellingra Contino, Partecipazione ai processi decisionali ed accesso alla giustizia in materia ambientale: riflessioni a partire dalla recente giurisprudenza della Corte di Giustizia, in *DPCE on line*, n.1, 2017, p. 12-29.

M. Peters, Can Democracy solve the Sustainability Crisis?, in *Educational Philosophy and Theory*, Vol. 51, Issue 2, 2019, p. 133-141.

M. Prieur, La Convention d'Aarhus, instrument universel de la démocratie environnementale, in *Revue Juridique de l'Environnement*, numéro spécial, 1999;

M. Rask, R. Worthington, Governing Biodiversity through democratic deliberation, Routledge, New York 2015, nonché la proposta WorldWideViews on Climate and Energy <http://wwviews.org>

M. Rask, R. Worthington, L. Minna, *Citizen Participation in Global Environmental Governance*, Earthscan, New York 2012;

M. Schmelzer, "Born in the Corridors of OECD": the forgotten origins of the

M. Starita, Democrazia deliberativa e Convenzione europea dei diritti umani, in *Diritti umani e Diritto internazionale*, n.4, 2010, p. 245-278.

M. Williams, Tackling Climate Change: what is the Impact on Air Pollution?, in *Journal of Carbon Management*, v.3, n.5, 2012, p.511-519.

M.B. Lane, T. Corbett, The Tyranny of Localism, in *Journal of Environmental Policy & Planning*, v.7, n.2, 2005, p.141-159.

M.F. De Tullio, Uguaglianza sostanziale e nuove dimensioni della partecipazione politica, Edizioni Scientifiche, Napoli 2020, utili su molti fronti, ma non sull'oggetto di questa ricerca.

M.G. Lawrence, S. Schäfer, Promises and perils of the Paris Agreement. A truly democratic global climate politics is needed, in *Science*, Vol. 364, Issue 6443, 2019, p. 829-830.

Ma si v. anche F. Cerutti, *Sfide globali per il Leviatano: una filosofia politica delle armi nucleari e del riscaldamento globale*, Vita e pensiero, Milano 2010,

N. Crawhall, A. Silverman, Access to Justice and the Right to Sustain Nature. Working Paper, IUCN, Gland 2016.

Nimby Forum, L'era del dissenso, 2018 (Osservatorio Nimby Forum XIII ed.).

One Planet One Right: <https://www.birdlife.org>

Osservazioni generali n. 25 (30 aprile 2020) del Comitato sui diritti economici, sociali e culturali, in tema di scienza e diritti umani (E/C.12/GC/25).

P. Bolton, M. Despres, L.A. Pereira da Silva, *The Green Swan. Central Banking and Financial Stability in the Age of Climate Change*, BIS, Basel 2020.

P. Higgins, *Eradicating Ecocide: Laws and Governance to Prevent the Destruction of Our Planet*, Shepheard Walwyn Publishers Ltd., London 2010.

PEM (Participatory Environmental Monitoring): N. Turreira-García, J.F. Lund, p. Domínguez et al., What's in a name? Unpacking "Participatory" Environmental Monitoring, in *Ecology and Society*, v.23, n.2, 2018, p.24-44.

Per il contesto italiano, ora N. Colleo, Il principio democratico e la materia ambientale, in <https://www.federalismi.it> n.25, 2020, p.62-80.

Popular Epidemiology: G. Morgan, Highlighting the Importance of "Popular Epidemiology", in *Jorunal of Epidemiology & Community Health*, n.59, 2005, p.253-257.

prático para a realização dos direitos humanos à água e ao saneamento pela Relatora Especial da ONU, Catarina de Albuquerque (2014).

Princípio n. 5 da "World Declaration on the Environmental Rule of Law" dello IUCN.

Public Sphere: A Contribution to the Critique of Actually Existing Democracy, in *Social Text*, nn. 25/26, 1990, p.56-80.

Q. Camerlengo, *Natura e potere. Una rilettura dei processi di legittimazione politica*, Mimesis, Milano-Udine 2020.

R. Bermejo Gómez de Segura, *Del desarrollo sostenible según Brundtland a la sostenibilidad como biomimesis*, Hegoa, Bilbao 2014.

R. Eckersley, J.P. Gagnon, Representing Nature and Contemporary Democracy, in *Democratic Theory*, v.1, n.1, 2014, p.94-108.

R. Eckersley, Liberal democracy and the rights of nature: The struggle for inclusion, in *Environmental Politics*, Vol. 4, n.4, 1995, p. 169-198;

R. Eckersley, *The Green State. Rethinking Democracy and Sovereignty*, MIT Press, London-Boston 2004.

R. Escher, M. Walter-Rogg, *Environmental Performance in Democracies and Autocracies, Democratic Qualities and Environmental Protection*, Palgrave-Springer, Cham 2020.

R. Lidskog, I. Elander, Addressing climate change democratically. Multi-level governance, transnational networks, and governmental structures, in *Sustainable Development*, v.18, n.1, 2010, p.32–41.

R.A. Dahl, A Democratic Dilemma: System Effectiveness versus Citizen Participation, in *Political Science Quarterly*, v.109, n.1, 1994, p.23-34.

R.E. Grumbine, What is Ecosystem Management?, in Conservation Biology, n.1, 1997, p. 41-47.

R.J. Hobbs, E.S. Higgs, C. Hall, Novel Ecosystems: Intervening in the New Ecological World Order, Wiley-Blackwell, Oxford 2013;

R.O. Brooks, R. Jones, R.A. Virginia, Law and Ecology: The Rise of the Ecosystem Regime, Routledge, London 2002, e C. Sbert, The Lens of Ecological Law, Elgar, Cheltenham 2020.

R.S. Deese, Climate Change and the Future of Democracy, Springer, Cham 2019; J.S. Dryzek, J. Pickering, The Politics of the Anthropocene, Oxford Univ. Press, Oxford

Rede Ecocêntrica Global para Implementar a Eco-democracia (GENIE):
<https://ecodemocracy.net> Mas sim v. também a plataforma de Governança do Sistema de Democracia e Terra <https://www.earthsystemgovernance.net>

REFIT <https://ec.europa.eu> e as ações europeias de Citizen Science <https://eu-citizen.science> bem como as observações destacadas pelo

Relatório UNEP, Climate Change and Human Rights (2015).

Report della Commissione europea On the Application and Effectiveness of the EIA Directive (Directive 85/337/EEC as amended by Directive 97/11/EC). How successful are the Member States in implementing the EIA Directive <https://eur-lex.europa.eu>

Report Fighting for Our Shared Future: Protecting Both Human Rights and Nature's Rights <https://www.earthlawcenter.org>

Report UNEP, New Frontiers in Environmental Constitutionalism (2017), Environmental Rule of Law (2019); Rule of Environmental Law and its Failures (2019), Commissione europea, The Costs of not Implementing EU Environmental Law, Bruxelles 2019.

Robert Solow: A Contribution to the Theory of Economic Growth, in Quarterly Journal of Economics, n.70, 1956, p.65-94; Is the End of the World at Hand?, in Challenge, n.2, 1973, p.39-54; The Economics of Resources or the Resources of Economics, in American Economic Review, v.64, n.2, 1974, p.1-14.

Roberto Mancini, Repensando a sustentabilidade, Franco Angeli, Milão 2015.

S. Bagni, La partecipazione popolare in Ecuador, in Diritto pubblico comparato ed europeo, n.IV, 2014, p.1783-1800.

S. Bhattacharyya, R. Holder, Natural resources, democracy and corruption, in European Economic Review, v.54, n.4, 2010, p.609-621.

S. Friel, Climate Change and the People's Health: the Need to Exit the Consumptagenic System, in The Lancet, n.395, 2020, p.666-668.

S. Jasanoff, A World of Experts: Science and Global Environmental Constitutionalism, in Boston College Environmental Affairs Law Review, n.40, 2013, p. 439-452.

S. Torre, Dominio, natura, democrazia. Comunità umane e comunità ecologiche, Mimesis, MilanoUdine 2013.

S.O. Funtowicz, J. Ravetz, The Worth of a Songbird: Ecological Economics as a Post-Normal Science, in Ecological Economics, n.10, 1994, p.197-207;

S.O. Funtowicz, J.R. Ravetz, Post-normal Science: A New Science for New Times, in Scientific European, 1990, p.20-22.

Sulla sua applicazione nell'UE, cfr. da ultimo, CGUE, Prima Sez., sent. 7 novembre 2019, C-280/18.

T. O'Riordan, Interpreting the Precautionary Principle, Routledge, New York 2013.

T. Thorp, Climate Justice: A Constitutional Approach to Unify the Lex Specialis Principles of International Climate Law, in Utrecht Law Review, v.8, n.3, p.7-31.

T.M. Lenton, J. Rockström, Owen Gaffney et al., Climate Tipping Points: too risky to bet against, in Nature, n.757, 2019, p. 592-595

TNI, The Future is Public: towards Democratic Ownership of Public Services, TNI, Amsterdam 2020. Per il contesto Italiano, si v. <https://www.lifegate.it>

UNFCCC, Glossary of Climate Change Acronyms and Terms; UNEP, Glossary of Terms for Negotiators of Multilateral Environmental Agreements; IUCN, Definitions; IPCC, Glossary SR1.5 2018; Consilium EU, Climate Change. Key Terms in 23 Languages, Bruxelles 2011.

V.M. Toledo, M. González de Molina, The Social Metabolism, Springer, Cham 2014.

W. Al-Delaimy, v.Ramanathan, M. Sánchez Sorondo (eds.), Health of People, Health of Planet and Our Responsibility, Springer, Cham 2020.

W. Brugger, Georg Jellineks Statuslehre: national und international: Eine Würdigung und Aktualisierung anlässlich seines 100. Todestages im Jahr 2011, in Archiv des öffentlichen Rechts, v.136, n.1, 2011, p.1-43.

W.E. Odum, Environmental Degradation and the Tyranny of Small Decisions, in BioScience, v.32, n.1, 1982, p.728-729.

W.N. Adger, Scales of Governance and Environmental Justice for Adaptation and Mitigation of Climate Change, in Journal of International Development 13, 7, 2001, 921-931.

W.O. Roberts, The Climate Mandate, W. H. Freeman & Co.-Macmillan, London 1979

World Scientists' Warning of a Climate Emergency, in BioScience, v.70, n.1, 2020, p.8-12.

World Scientists' Warning to Humanity: A Second Notice, in BioScience, Vol. 67, Issue 12, 2017, p. 1026-1028.

Y. Xu, v. Ramanathan, Well below 2°C: Mitigation Strategies for Avoiding Dangerous to Catastrophic Climate Changes, in PNAS, n.114, 2017, p.10315-10323.

Downloads

[Artigo PDF \(Português \(Brasil\)\)](#)

Published

2022-05-29

How to Cite

CARLUCCI, M. . Nature, climate change, local democracy: Natureza, mudança climática, democracia local. **Journal of Public Law and Infrastructure | RDAI**, São Paulo: Thomson Reuters | Livraria RT, v. 6, n. 21, p. 175–213, 2022. DOI: 10.48143/rdai.21.carducci. Disponível em: <https://rdai.com.br/index.php/rdai/article/view/carducci2022>. Acesso em: 27 jun. 2022.

Issue

[Vol. 6 No. 21 \(2022\)](#)

Section

Foreign Doctrine | Doutrina Estrangeira

License



This work is licensed under a [Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License](#).

This journal is licensed by [\(CC BY-NC-ND\)](#)

Submission and publication of articles are free; peer-reviewed; the journal uses CrossCheck (anti-plagiarism); and complies with the COPE Editors' Guide; Committee on Publication Ethics, in addition to the Elsevier and SciELO recommendations. [Check the Rules for the submission and evaluation of the RDAI](#).