



6. The *Chernobyl* Miniseries as a Narration Case of Environmental Disasters in the Anthropocene Era¹

Sonia Malvica², Lucrezia Lopez³, Enrico Nicosia⁴

Abstract

During the Anthropocene, humanity negotiates its role as absolute rulers with the hope of regeneration from the ashes of disaster, finally embracing environmental requests. The Chernobyl nuclear disaster of 1986 marked the fate of the Soviet Union, as well as making world history. It was a traumatic event that reached planetary proportions, definitively cracking our security illusion and faith in technology. Visual communication is a catalyst for spreading global awareness at a surprising speed, mainly through fiction products. As a matter of fact, the *Chernobyl* miniseries (produced and released by HBO in 2019) was a world audience success showing how this event turned a city into a ghost town. It also allowed people to perceive the contrast between science's will and the power of political practice, asking the spectator to interpret the event and to develop the pertinent question. This study aims to recognise a role transcending pure entertainment in the *Chernobyl* miniseries: TV series are a cultural phenomenon that allow people to embrace the understanding of a global disaster, developing a collective consciousness.

Keywords: Chernobyl; Disaster fiction; Environmental Issues.

Works cited

Abbott, P., Wallace, C., Beck, M., 2006, "Chernobyl: Living with risk and uncertainty", *Health, Risk and Society*, 8, 2, 105-121.

Ali, S.T., 2020, "Difficult Truths versus Expedient Lies: HBO's Chernobyl and Climate Change Denial", *Journal of the Department of English*, 13, 1, 155-171.

Antonsich, M., 2021, "«Critical Geopolitics». La geopolitica nel discorso postmoderno", *Bollettino della Società Geografica Italiana*, 6, 13, 735-752.

Berger, J., 1999, *After the End: Representations of post-apocalypse*, University of Minnesota Press, London, Minneapolis.

Braithwaite, R., 2019, "Chernobyl: A 'Normal' Accident?", *Survival*, 61, 5, 149-158.

Carnazzi, S., 2016, *Cosa è successo a Chernobyl, la cronologia del disastro minuto per minuto*, <https://www.lifegate.it/Chernobyl> (access on 22 October 2022).

¹ Sonia Malvica wrote the first and second paragraphs, Enrico Nicosia wrote the third paragraph, and Lucrezia Lopez wrote the fourth and fifth paragraphs. All authors contributed to manuscript revision, read, and approved the submitted version.

² Department of Humanities and Social Sciences, University of Sassari, sonia.malvica@unime.it.

³ Department of Geography, University of Santiago de Compostela, lucrezia.lopez@usc.es.

⁴ *Corresponding Author*; Department of Cognitive Science, Psychology, Education and Cultural Studies, University of Messina, enrico.nicosia@unime.it.



Cinema, Disasters and the Anthropocene
Enrico Nicosia, Lucrezia Lopez (Eds.)

- Castree, N., 2014a, "The Anthropocene and Geography I: The Back Story", *Geography Compass*, 8, 7, 436-449.
- Castree, N., 2014b, "Geography and the Anthropocene II: Current Contributions", *Geography Compass*, 8, 7, 450-463.
- Chakrabarty, D., 2009, "The Climate of History: Four Theses", *Critical Inquiry*, 35, 2, 197-222.
- Christian, D., 2019, "Chernobyl: re-creating a nuclear tragedy", *History Australia*, 16, 4, 763-765.
- Cordle, D., 2017, *Late Cold war Literature and Culture: The Nuclear 1980s*, Palgrave Macmillan, London.
- Crutzen, P.J., Stoermer, E.F., 2000, "The Anthropocene", *Global Change News Letter*, 41, 17-18.
- Dahlberg, R., Reichardt, U., 2022, Disaster movies: definitions, filmography and three analyses. In: Aronsson-Storrier, M., Dahlberg, D. (Eds.), *Defining Disaster: Disciplines and Domains*, Edward Elgar Publishing, Cheltenham, Northampton, 194-211.
- Foley, M., Lennon, J.J., 1996, "JFK and dark tourism: A fascination with assassination", *International Journal of Heritage Studies*, 2, 4, 198-211.
- Gambarato, R.R., Heuman, J., Lindberg, Y., 2022, "Streaming media and the dynamics of remembering and forgetting: The Chernobyl case", *Memory Studies*, 15, 2, 27-286.
- Gelino, N., Rey-Babarro, M., Siegler, M.A., Sood, D., Verlinden, C., 2005, *Chernobyl Nuclear Disaster. An Accident Investigation Report submitted for IOE491, Human Error and Complex System Failures*, http://gbytes.gsood.com/files/Chernobyl_Report_Final.pdf (access on 22 October 2022).
- Giovagnoli, M., 2011, *Transmedia storytelling: Imagery, shapes and techniques*, ETC Press, Pittsburgh, PA.
- Goatcher, J., Brunsdon, V., 2011, "Chernobyl and the Sublime Tourist", *Tourist Studies*, 11, 2, 115-137.
- IAEA, *Frequently Asked Chernobyl Questions*, <https://www.iaea.org/newscenter/focus/chernobyl/faqs> (accessed 28 October 2022).
- Ivakhiv, A., 2018, *Shadowing the Anthropocene: Eco-Realism for Turbulent Times*, Punctum Book.
- Jennifer, F., 2018, *Inhospitable World: Cinema in the Time of the Anthropocene*, Oxford University Press, Oxford.
- Kirby, A., 2020, "Scientists on the set: science consultants and the communication of science in visual fiction", *Public Understanding of Science*, 12, 261-278.
- Kortov, V., Ustyantsev, Y., 2013, "Chernobyl accident: Causes, consequences and problems of radiation measurements", *Radiation Measurements*, 55, 12-16.
- Lennon, J., 2017, "Dark Tourism", *Oxford Research Encyclopedia of Criminology and Criminal Justice*, <https://doi.org/10.1093/acrefore/9780190264079.013.212>.
- Linnér, B.-O., Selin, H., 2021, Geopolitics and the United Nations Conference on the 18 Human Environment. In: Lövbrand, E., Mobjörk, M. (Eds.), *Anthropocene (In)securities Reflections on Collective Survival 50 Years After the Stockholm Conference*, Oxford University Press, Oxford, 18-33.
- Loganovsky, K., Marazziti, D., 2021, "Mental Health and Neuropsychiatric Aftermath 35 Years After the Chernobyl Catastrophe: Current State and Future Perspectives", *Clinical Neuropsychiatry*, 18, 2, 101-106.
- Lövbrand, E., Mobjörk, M., Söder, R., 2021, One earth, multiple worlds: Securing collective survival on a human-dominated planet. In: Lövbrand, E., Mobjörk, M. (Eds.), *Anthropocene (In)securities Reflections on Collective Survival 50 Years After the Stockholm Conference*, Oxford University Press, Oxford, 1-16.



Cinema, Disasters and the Anthropocene
Enrico Nicosia, Lucrezia Lopez (Eds.)

Malko, M.V., 2002, The Chernobyl Reactor: Design Features and Reasons for Accident. In: Imanaka, T. (Ed.), *Recent Research Activities about the Chernobyl NPP Accident in Belarus, Ukraine and Russia*, Research Reactor Institute, Kyoto University, 11-27.

Marples, D.R., 1988, *The Social Impact of the Chernobyl Disaster*, Macmillan, Houndsmill.

Medvedev, Z., Thompson, M. (Ed.), 1988, *The Soviet nuclear energy programme: the road to Chernobyl*, Pluto Press, United Kingdom.

Mills, B., 2021, "Chernobyl, Chornobyl and Anthropocentric Narrative", *Series- International Journal of TV Serial Narratives*, 7, 1.

Mobjörk, E., 2021. *Anthropocene (In)securities: Reflections on Collective Survival 50 Years After the Stockholm Conference*, Stockholm International Peace Research Institute, Sweden. <https://policycommons.net/artifacts/2422496/anthropocene-insecurities/3444088/> (accessed 03 November 2022).

Naoum, S., Spyropoulos, V., 2021, "The nuclear accident at Chernobyl: Immediate and further consequences", *Romanian Journal of Military Medicine*, 124, 2, 184-190.

Nicosia, E., Porto, C.M., 2014, Under the Dome. Paura del presente e ansie del futuro, In: Amato, F., Dell'Agnes, E. (Eds.). *Schermi americani. Geografia e geopolitica degli Stati Uniti nelle serie televisive*, Edizioni Unicopli, Milano, 65-77.

Oe, M., Takebayashi, Y., Sato, H., Maeda, M., 2021, "Mental Health Consequences of the Three Mile Island, Chernobyl, and Fukushima Nuclear Disasters: A Scoping Review", *International Journal of Environmental Research and Public Health*, 18, 14, 7478.

Onischenko, G.G., Popova, A.Y., Romanovich, I.K., 2021, "Radiological consequences and lessons of the Chernobyl NPP and «Fukushima-1» NPP radiation accidents", *Radiation Hygiene*, 14, 1.

Ory, C., Leboulleux, S., Salvatore, D., Le Guen, B., De Vathaire, F., Chevillard, S., Schlumberger, M., 2021, "Consequences of atmospheric contamination by radioiodine: the Chernobyl and Fukushima accidents", *Endocrine* 71, 298-309.

Plokhly, S., 2018, *Chernobyl: History of a Tragedy*, Penguin Books, London.

"Radiazioni ionizzanti: con il D.Lgs. 101/2020 attuata la direttiva Ue 2013/59/Euratom", *Ambiente & Sicurezza*, 24 August 2020, <https://www.ambientesicurezzaweb.it/radiazioni-ionizzanti-con-il-d-lgs-101-2020-attuata-la-direttiva-ue-2013-59-euratom/> (access on 22 October 2022).

Rindzevičiūtė, E., 2020, "Chernobyl as Technoscience", *Technology and Culture*, 61, 4, 1178-1187.

Sagal, P., 2019, *The Chernobyl podcast* [podcast], <https://open.spotify.com/show/5SSYyVWm0FaY8as96gE3EM> (accessed 03 November 2022).

Salge, M., Milling, P.M., 2006, "Who is to blame, the operator or the designer? Two stages of human failure in the Chernobyl accident", *System Dynamics Review*, 22, 2, 89-112.

Santoro, E., 2019a, *Dentro Chernobyl. Come funziona un reattore nucleare*, https://www.agi.it/blog-italia/scienza/chernobyl_reattore_nucleare_come_funziona-5754642/post/2019-07-01/.

Santoro, E., 2019b, *La sequenza esatta degli ultimi 60 secondi della centrale nucleare di Chernobyl*, https://www.agi.it/blog-italia/scienza/chernobyl_ultimo_minuto-5871821/post/2019-07-21/.

Schmid, S.D., 2020, "Chernobyl the TV Series: On Suspending the Truth or What's the Benefit of Lies?", *Technology and Culture*, 61, 4, 1154-1161.

Schröder, N., 2010, Framing disaster. Images of Nature, Media, and Representational Strategies in Hollywood Disaster Movies, In: Volkmann, L., Grimm, N., Detmers, I., Thomson, K. (Eds.), *Local*



Geographies
of the
Anthropocene

OPEN
ACCESS
PEER-REVIEWED
SERIES
ISSN 2011-3171

IL Sileno
Edizioni

Cinema, Disasters and the Anthropocene
Enrico Nicosia, Lucrezia Lopez (Eds.)

Natures, Global Responsibilities. Ecocritical Perspectives on the New English Literatures, Brill, Leiden, The Netherlands, 289-306.

Shackleford, K., Vinney, C., 2020, *Finding Truth in Fiction: What Fan Culture Gets Right and Why It Is Good to Get Lost in a Story*, Oxford University Press, New York.

Stanton, N., 1996, *Human Factors in Nuclear Safety*, Taylor and Francis, London, Great Britain.

Statista, 2021, *Number of tourists visiting the Chernobyl Exclusion Zone in Ukraine from 2017 to 2021*, <https://www.statista.com/statistics/1231428/number-of-tourists-in-chernobyl-exclusion-zone> (accessed 03 November 2022).

Steffen, W., Grinevald, J., Crutzen, P., McNeill, J., 2011, "The Anthropocene: conceptual and historical perspectives", *Philosophical Transactions of the Royal Society*, 369, 842-867.

The Economist, 2019, *"Chernobyl" is the highest-rated TV series ever*, <https://www.economist.com/graphic-detail/2019/06/04/chernobyl-is-the-highest-rated-tv-series-ever> (accessed 28 October 2022).

Tyszczyk, R., 2018, *Provisional Cities. Cautionary Tales for the Anthropocene*, Routledge, London.

Tyszczyk, R., 2021, "Collective scenarios: Speculative improvisations for the Anthropocene", *Futures*, 134, 102854.

U.S. Department of Energy, 1986, *Report of the US Department of Energy's team analyses of the Chernobyl-4 Atomic Energy Station accident sequence*, <https://doi.org/10.2172/7037704>.

Woodbury, Z., 2019, "Climate trauma: Towards a new taxonomy of trauma", *Ecopsychology*, 11, 1, 1-8.

Yablokov, A., Labunska, I., Blokov, I. (Eds.), 2006, *The Chernobyl Catastrophe: Consequences on Human Health*. Greenpeace.

Yankovska, G., Hannam, K., 2014, "Dark and toxic tourism in the Chernobyl exclusion zone", *Current Issues in Tourism*, 17, 10, 929-939.

Zalasiewicz, J., Waters, C.N., Williams, M., Barnosky, A.D., Cearreta, A., Crutzen, P., Ellis, E., Ellis, M.A., Fairchild, I.J., et al., 2015, "When Did the Anthropocene Begin? A Mid-Twentieth Century Boundary Level Is Stratigraphically Optimal", *Quaternary International*, 383, 196-203.