

1 “Unless someone like you cares a whole awful lot, nothing is going to get better”:

2 **An environmental discourse analysis of animated films *The Lorax* (2012) and *Tomorrow***  
3 **(2019)**

4  
5 **Abstract**

6 **Fostering understanding and support for environmental and climate issues requires a**  
7 **foundational understanding of how environmental discourse interacts with the public.**

8 **Animated films exist as a medium in which environmental messaging is distributed to the**  
9 **public with the goal of inducing behavioural change in an audience. The goal of this paper is**

10 **to link the messaging of such films with audience feedback. This will be accomplished by**

11 **analyzing the impact of two environmentally focused animated films, *The Lorax* and**

12 *Tomorrow*, produced in Hollywood (United States) and Dhallywood (Bangladesh),

13 respectively, and by using environmental humanities discourse analysis to examine how

14 people responded to these films on social media websites. The first part of the article is the

15 analysis of selected social media pages to understand the impact of these two films on

16 contemporary environmental discourse, and the second part comprises an analysis of the

17 environmental narrative of the films. I selected these two films for four reasons: i) they are

18 both environmental educational and pedagogical tools; ii) they use environmental

19 storytelling; iii) they both address sustainability; and iv) they may have influenced some

20 discourse on environmental issues on social media. The study demonstrates that

21 environmentally driven animated films can affect and shape the discourse of their audiences.

22 This study also demonstrates how narratives from films such as *The Lorax* and *Tomorrow* can

23 lead an audience to consider large-scale environmental issues.

24 **Keywords**

25 environmental storytelling; environmental discourse analysis; environmental education;

26 environmental communication; sustainability; sense of place; films; social media

## 27 Introduction

28 Using environmental discourse analysis as a narrative inquiry, I investigated two  
29 animated eco-blockbusters, selected for the rich social media feedback available for  
30 them: *The Lorax* (Chris Renaud, 2012) and *Tomorrow* (Mohammad Shihab Uddin, 2019).<sup>1</sup>  
31 The films were produced in Hollywood (United States) and Dhallywood (Bangladesh,  
32 Bangladeshi production house Cycore Studios), respectively. *Tomorrow* specifically was  
33 selected as standout film produced recently within the global South that has received good  
34 reception both domestically and internationally, having won the Cannes World Film Festival<sup>2</sup>  
35 award in August 2021 and having received praise from western environmental journalist Bill  
36 McKibben. Another major factor in the selection of *Tomorrow* was that it came out at a time  
37 in which there was a relatively large population of Bangladesh had internet access, going  
38 from 5% of the population having access in 2012 to 23.8% in 2019,<sup>3</sup> providing an early look  
39 into how a key population within the global South reacts to environmental messaging  
40 targeted specifically at them. The 2012 incarnation of *The Lorax*<sup>4</sup> was selected as a  
41 contemporary western environmental blockbuster due in part to its similarities in art style to  
42 *Tomorrow*, and due to sharing a message that promotes a world where sustainability is not  
43 prioritized over economic development.<sup>5</sup> Animated films may be a powerful medium of  
44 environmental education and shape the public discourse, as discussed below. That said, both

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<sup>1</sup> Although the television version of *The Lorax* produced by DePatie-Freleng Enterprises is closer to *Tomorrow* in terms of time format, the 1972 TV version is not suitable for a social media analysis due to the time of its release risking viewer nostalgia being a factor in the discourse, potentially compromising the analysis.

<sup>2</sup> Not to be confused with the *Festival de Cannes*.

<sup>3</sup> ITU. (February 14, 2022). Internet penetration rate in Bangladesh from 2011 to 2020 [Graph]. In *Statista*. Retrieved August 30, 2023, from <https://www.statista.com/statistics/764102/internet-penetration-rate-bangladesh/>.

<sup>4</sup> It is important to note that the 2012 film version of *The Lorax* has many deviations from prior material labeled as *The Lorax*, particularly the book version, or the 1972 TV special.

<sup>5</sup> *WALL-E* was also considered as a film, but *The Lorax* was selected as it shares a more direct display of cause and effect with *Tomorrow*, where *WALL-E* mostly does not show the world prior to environmental collapse, with the closest scene focusing on the fictional Directive A113, occurring well after the planet has become uninhabitable. This helps reduce variables that may affect sentiment. While another award-winning film closer to *Tomorrow* would have been better for the comparison, no such film appears to exist.

45 stories take different approaches to this end - while *The Lorax* describes the severity of waste  
46 and environmental collapse caused by deforestation (and implicitly climate change, given the  
47 media environment and promotional material around the release of the film),  
48 *Tomorrow* describes how such events result in climate change. *The Lorax* uses a fictional  
49 world to deliver a general message while *Tomorrow* highlights the reality of severe climate  
50 injustices in the global South such as Bangladesh. I undertake a meticulous analysis of social  
51 media commentary to gain valuable insights into the perception and response of the general  
52 public in both Bangladesh and the United States, specifically in relation to the climate-change  
53 themes depicted in the animated films. By carefully examining the discussions and reactions  
54 of individuals from diverse backgrounds and demographics on various social media  
55 platforms, I aim to unravel the profound impact these films have on the broader population  
56 and their role in shaping the discourse surrounding climate change and environmental  
57 concerns.

58 Humanities scholars such as Alexander Elliott and James Cullis (2017) argue that  
59 research on climate change has shifted to a global scale from a previous focus on the Euro-  
60 American perspective. The film *Tomorrow* reflects this trend in the realm of popular culture.  
61 *Tomorrow* came out in 2019 after being in development for two years, notably about the  
62 same period as Bangladesh had experienced several environmental disasters, including flash  
63 floods attributed to climate change.<sup>6</sup> 2012's *The Lorax* is similar, despite not being set in a  
64 specific place, in that it was released at a time when environmental catastrophes including  
65 earthquakes, wildfires, and hurricanes were major stories in media across the globe, including  
66 the previous year's Fukushima nuclear disaster stroking fears of nuclear contamination across  
67 the Pacific ocean, and the remnants of Hurricane Irene causing atypical damage in parts of

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<sup>6</sup> This is further substantiated by two supporting sources. *The Business Standard* (2021) news highlights this correlation, while Hossain et al. (2020) explore the implications of these extreme flood disasters, emphasizing their impact on the livelihoods and coping mechanisms of the Char Village.

68 New England.<sup>7</sup> Both films therefore addressed the global nature of environmental crisis in a  
69 timely manner. Through the joint analysis of the films and their reception by viewers on  
70 social media, this study finds evidence that these two films gave their viewers thematic  
71 narratives and talking points that they then incorporate into personal discussion and in  
72 general promotion of environmental causes.

### 73 **Methodology**

74 Using environmental humanities discourse analysis as a tool, the principal question of  
75 this study is: *How do The Lorax and Tomorrow instruct viewers about key environmental*  
76 *messages?* To answer this overarching question, I consolidated the public comments and the  
77 narrative analysis of the films into three main categories: *environmental catastrophe*,  
78 *environmental storytelling*, and *environmental education* in order to address three questions  
79 related to these three environmental discourses. First, *how are these two films situated within*  
80 *the discourses of environmental catastrophe?* Second, *how do these two films perform*  
81 *environmental storytelling while emphasizing a sense of place, i.e., spatiality?* Third, *what*  
82 *sorts of educational messages do these two films spread regarding sustainability?*

83 The environmental discourse analysis in the paper is structured as follows. First, this  
84 paper provides a brief synopsis of the films. Second, this study considers the literature on  
85 how public comments online pertain to broader environmental media. Continuing the  
86 discourse analysis, a select sampling of activity on social media pages related to each film is  
87 analyzed to understand the discourse surrounding each. Third, the paper provides an  
88 environmental discourse analysis to extract the themes and narratives from both films with  
89 the most impact. By using both an analysis of social media posts about the films and a direct

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<sup>7</sup> Though Hurricane Irene was in many cases not as bad as it was predicted to be in regards to the effects on New York City, it did cause a media frenzy prior to landfall, and actual catastrophic flooding in many places, especially parts of Vermont and New Hampshire.

90 analysis of the films themselves, this study demonstrates how aspects of each film influenced  
91 public discourse.

92 I use an environmental discourse analysis model drawn mainly from anthropologists  
93 Peter Mühlhäusler's and Adrian Peace's scholarship. My narrative analysis also incorporates  
94 spatiality as it shows how discourse may vary in different local, regional, and global contexts  
95 even when they address the same environmental concerns. Furthermore, the narratives and  
96 target audiences of both works incorporate some spatiality, with *Tomorrow* being squarely set  
97 in the real world and particularly focused on Bangladesh, while *The Lorax* was a Hollywood  
98 blockbuster aimed at the developed world with a fictional setting reminiscent at first glance  
99 of global North suburbia. While discussing the methods of environmental discourse analysis,  
100 Peace states that emphasis on keywords and select terminologies is vital to the  
101 anthropological contribution to environmental discourse analysis (p. 415). As a part of the  
102 environmental discourse analysis, I chose the selected words and phrases from the content  
103 and comments of the two films. The study also deals with spatiality as both comments and  
104 contents highlight local and global concerns about the environment.

105 I use social media as a platform to measure and understand public reactions. To  
106 extract public comments about *The Lorax* on social media, I used the search term: "lorax" on  
107 Twitter (currently in the process of being rebranded as X) using the Netlytic social networks  
108 analyzer, which yielded exactly 1000 comments. This number of comments was chosen as it  
109 is the default used by Netlytic and represents a reasonable sample for manual coding of  
110 sentiments.<sup>8</sup> I confined the study to Twitter because Netlytic does not extract comments from  
111 Facebook, and because *The Lorax* Facebook page has very few public comments from which  
112 to glean data. Furthermore, *The Lorax* does not have a YouTube page. For *Tomorrow*, I

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<sup>8</sup> Based on the research objectives and available resources, it was determined that a sample size of 1000 comments would provide a sufficiently representative sample for manual coding of sentiments. It is also worth noting that the ability to conduct an updated analysis using Netlytic may have been affected by recent changes made by Elon Musk to the Twitter API, which can impact the availability of data.

113 extracted comments from *Tomorrow's* YouTube page, as *Tomorrow* does not have either  
114 Facebook or Twitter pages. I extracted comments by using a web scraping method written in  
115 the Python programming language, using the search term: “tomorrow animated movie”;  
116 which yielded 1510 comments (Bengali and English) out of 4974 total, based on which  
117 comments received more “likes” (the remainder of comments were omitted for falling below  
118 a threshold of likes). For *The Lorax*, the Twitter comments spanned a decade, as the film was  
119 released in 2012. As *Tomorrow* is a relatively recent release, so are all its comments. After  
120 transferring the data to a Microsoft Excel spreadsheet, I manually examined it, developing  
121 codes to analyze public reactions pertaining to different environmental discourses. I began  
122 with a total of twenty-five codes, re-examined the data, and condensed them to seven major  
123 codes. Using the statistical programming language R, I present a graphical text categorization  
124 algorithm that generates skip-gram phrases selectively, by extracting and using phrases.  
125 Commenter names and online handles have been excluded for anonymity.

## 126 **Film synopses**

127         The animated film *The Lorax* (2012) is loosely based on Dr. Seuss’s children’s book,  
128 *The Lorax* (1971), although the plot of the film diverges from the source material. This  
129 divergence primarily takes the form of additional plot points and characterization, such as the  
130 focus on the history of the Once-ler, or newly invented characters such as Aloysious O’Hare.  
131 Visual communication studies scholar Dylan Wolfe (2008) notes that environmentalism is a  
132 key feature of the work.

133         Produced by Illumination Entertainment and released by Universal Pictures in 2012,  
134 *The Lorax* had a budget of \$70 million and grossed \$348.8 million worldwide.<sup>9</sup> It showcases  
135 the process of industrialization, portraying the cause and effect of the hypocritical nature of

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<sup>9</sup> For comprehensive insights into the financial aspects of *The Lorax*, including budget and income details, please refer to Box Office Mojo's webpage dedicated to the film, accessible at <https://www.boxofficemojo.com/title/tt1482459/>.

136 “human progress” when externalities are not addressed, and the environment is not thought of  
137 as worth protecting. It must be noted that environmental messaging in media adjacent to the  
138 film was compromised, as noted by Caraway and Caraway (2020) in their article, while the  
139 film railed against greenwashing, cross promotion in advertising with the film was used to  
140 showcase gas-powered automobiles. In her article, communication scholar Ellen Moore  
141 (2016) also notes this as a flaw as it changes the focus from reducing consumption to  
142 encouraging a nebulous “green” consumption.

143 Ted, the protagonist, wants a real tree, which is now so rare as to be mythical. The  
144 tree is intended to impress a girl he likes named Audrey. Audrey personifies trees and is  
145 described using words such as “softer than silk” and “smelled like butterfly.” Because of  
146 Audrey’s love of nature, somewhat uncharacteristic of a Thneedville resident, her character  
147 invokes a sense of conservation. Audrey shows Ted a painting of trees with a sense of loss  
148 and lamentation. Unlike how the general population and especially the industrialists of their  
149 town of Thneedville approach trees, Audrey’s approach produces a renewal in environmental  
150 consciousness. To investigate the disappearance of the real trees, Ted visits a hermit known  
151 as the Once-ler and the Lorax who “speaks for the trees.” Speaking for the trees (Earth) is  
152 portrayed in a positive light.

153 The Once-ler represents industrialist society, which profited from development, but at  
154 the cost of pollution and deforestation. The Once-ler employs subterfuge in his  
155 industrialization, including “greenwashing.” The Lorax’s warnings were ignored by the  
156 Once-ler when he became an industrialist, and the sky was filled up with smoke, the water  
157 polluted with sludge, and the land was left barren. Greed and the illusion of progress  
158 deafened the Once-ler to the words of the Lorax until one day the last Truffula tree was  
159 chopped down, and the Once-ler discovers that he is condemned to grow old and waste away  
160 in the wretched badlands of his own making. This very clear cause and effect is a cautionary

161 tale to viewers, showing how unethical profiteering can one day leave them worse off, with  
162 gains that were fleeting. Because the Lorax disappeared when the last Truffula tree was  
163 chopped down, the Once-ler relays to Ted the Lorax’s cryptic last message, “Unless someone  
164 like you cares a whole awful lot, nothing is going to get better, it’s not” (1:02:09). This is a  
165 clear call to action to the audience, as Ted is the archetype of the everyman, a person who the  
166 audience can relate to. Indeed, the Once-ler charges Ted, and by extension the audience, with  
167 repairing the devastated environment. However, other industrialists in the movie, chief  
168 among them a clean air tycoon named O’Hare, fight to keep the status quo by tricking the  
169 populace, subconsciously warning the audience that pushback from people they know may in  
170 fact be misdirection from real-life industrialists.

171         The 2019 film *Tomorrow* (budget: 10 million BDT,<sup>10</sup> converted roughly to ~119,000  
172 USD; a reliable figure for gross income could not be found) similarly portrays a dire future in  
173 the hopes that the present generation will find a way to avoid it. *Tomorrow* begins when  
174 Ratul and his father, a nature lover, learn that sea levels are rising, which will make them and  
175 their fellow villagers ecological refugees. Despite this knowledge, they and the villagers are  
176 reluctant to take any actions to prevent the hazard. One of the villagers’ comments, “why  
177 would we ruin today thinking about tomorrow?” (4:10) is a refrain viewers may be familiar  
178 with, a carelessness about their own future.

179         In a dream, Ratul learns that Bangladesh is going to face a disastrous fate because of  
180 rising sea levels combined with the melting ice caps in the Himalayas. To answer Ratul’s  
181 questions, Batasher Buro, a shamanic figure known as “the Old Man of the Winds,” takes  
182 him to the future, in which most of southern Bangladesh is submerged, with almost 30  
183 million homeless and destitute people taking shelter in the north. This reflects real life—for

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<sup>10</sup> *The Daily Star*, a daily newspaper, provides insightful information about the budget of *Tomorrow*. Accessible at <https://www.thedailystar.net/lifestyle/news/tomorrow-3d-film-bangladeshi-animators-2111009>



184 some time now, residents of southern Bangladesh have been migrating to the capital city,  
185 Dhaka, and other comparatively highland parts of the country. But there is still hope: the Old  
186 Man of the Winds takes Ratul to another possible future, where solar panels and windmills  
187 are commonplace and there is no usage of fossil fuels. This alternate future implies that  
188 mankind has a choice. Ratul wants to know how to build a future like this, but the Old Man  
189 of the Winds leaves, saying this is Ratul's planet and he himself needs to seek an answer.  
190 Similar to *The Lorax*, Ratul is an everyman, with the audience implicitly being told to  
191 personally care about the environment themselves.

192         Ratul awakens concerned about the welfare of Earth. Inspired by his father's  
193 motivational speech about saving the environment, Ratul starts a campaign on social media  
194 focused on taxing fossil fuels, inspiring protests, which start taking place all over the world.  
195 (Posting on social media and protesting are actions that viewers may be able to take on their  
196 own; these easier actions are shown first, lowering the barrier for meaningful action by the  
197 audience.) The film then leaps 25 years in the future to show a grownup Ratul delivering a  
198 speech at the United Nations. By then, many parts of the world, including southern  
199 Bangladesh, are submerged. But there is optimism that Bangladesh can rehabilitate its people  
200 with money from a tax on fossil fuels; the other countries of the United Nations begin helping  
201 to address the climate crisis, following in the footsteps of Bangladesh. Ratul hears the voice  
202 of the Old Man of the Winds, who tells him that he has been successful in saving the world.  
203 This is more than a narrative statement; it is a clear statement to the audience that their  
204 actions have the potential to make a real impact.

### 205 **Environmental discourse analysis**

206         How film characters deal with environmentally catastrophic issues is part of what  
207 viewers imitate and can be influenced by in a film. These two films exhibit several major

208 environmental themes, including the concept of unspoiled nature, the sense of place,  
209 pollution, deforestation, and land erosion.

210 Environmental discourse analysis has been adapted and developed from several  
211 branches of social sciences, primarily anthropology, and is therefore inherently multifaceted.  
212 Adrian Peace (2018) explains that “academic disciplines go about their interrogation of  
213 discourse in different ways” (p. 415), but in general describes discourse as “specific ways of  
214 talking about particular environments and their futures” (Mühlhäusler and Peace, 2006, p.  
215 458). A social anthropologist, for example, “become[s] familiar with the natural discourses  
216 local people draw upon to describe environments of greatest significance to them” and in this  
217 way contributes to environmental discourse analysis by highlighting environmental discourse  
218 on a local level (Peace, 2018, p. 415). Peace (2018) is a social anthropologist, but there are  
219 many historians, political scientists, or communication studies researchers who examine  
220 power abuse, inequality, and other significant concerns within the social and political  
221 environment. The many discourse analysis techniques cannot be summarized in this brief  
222 space, but all approaches, at least to an extent, view language as a social practice and  
223 discourse as pertinent to the broader social order. This research aims to complement the  
224 broader discourse by providing valuable empirical insights. By examining the empirical  
225 findings alongside the existing discourse, it contributes to a comprehensive understanding of  
226 the reception and impact of climate-change media. Thus, this study recognizes the relevance  
227 of the ideological debate while highlighting the unique perspective offered by the empirical  
228 analysis.

229 Mühlhäusler and Peace (2006) underscore that “[m]uch environmental discourse  
230 elaborates the theme that human actions are detrimental to the survival of humanity” (p 461).  
231 My analysis correspondingly highlights the irreparable damage that humanity is contributing  
232 to the environment which viewers witness within the selected films. Mühlhäusler and Peace

233 (2006) speculate that it is yet unknown how much the environmental discourses and  
234 metadiscourses improve the condition of the environment (p. 457). Environmental discourse  
235 analysis can show which narratives instil feelings of hopelessness, apathy, and inaction in  
236 viewers. Conversely, environmental discourse analysis may highlight narratives about  
237 environmental issues and matters of environmental justice that give the viewer a manageable  
238 sense of alarm, spurring them to act before it is too late. In “Envisioning A Sustainable  
239 World,” sustainability scholar Donella Meadows (1994) regrets, “Whatever the reason,  
240 hardly anyone envisions a sustainable world as one that would be wonderful to live in” (p 2).  
241 She is hopeful nevertheless, “I have noticed, going around the world, that in different  
242 disciplines, languages, nations, and cultures, our information may differ, our models disagree,  
243 our preferred modes of implementation are widely diverse, but our visions, when we are  
244 willing to admit them, are astonishingly alike” (1994, p. 4). Two different movies from two  
245 different parts of the world with two different senses of place both demonstrate a singular  
246 desire to save the world from environmental catastrophes.

#### 247 **Analysis of public reactions to the films on Twitter and YouTube**

248 The films *The Lorax* and *Tomorrow* engendered the formation of publics, aligning with  
249 Michael Warner’s (2002) conceptualization. These publics emerged through self-organization  
250 as individuals voluntarily congregated around a shared interest in the films’ environmental  
251 themes. Online discussions and interactions epitomized relations among strangers within the  
252 public sphere, where personal and impersonal address intertwined. The collective attention  
253 devoted to these films and the reflexive circulation of discourse on social media platforms  
254 fostered a dynamic social space for the shaping of public opinion and reception. Valuable  
255 insights into the dynamics of these publics and their role in the discourse surrounding *The*  
256 *Lorax* and *Tomorrow* are possible by integrating Warner’s conceptual framework.

257 In the context of the public who commented on social media platforms, Michael  
258 Warner's (2002; p. 50) concept of a public as "a space of discourse organized by nothing  
259 other than discourse itself" holds significant relevance. The individuals who engaged in  
260 discussions and expressed their opinions on platforms such as YouTube and Twitter can be  
261 seen as actively participating in the creation of a public space through their discourse. Their  
262 comments, reactions, and interactions constitute the very fabric of this discursive space,  
263 where ideas, perspectives, and sentiments are exchanged and circulated.

264 Warner's (2002) notion of a public being "autotelic," existing as the purpose and  
265 outcome of the discursive activities it encompasses, aligns with the understanding of social  
266 media platforms as spaces where public discourse takes place. The act of addressing and  
267 responding to one another's comments on these platforms contributes to the formation and  
268 sustenance of the public sphere. The comments made by individuals reflect their engagement  
269 with the films and the issues they address, shaping the broader discourse surrounding climate  
270 change and environmental themes. Public comments are not just isolated individual  
271 expressions but collectively contribute to the discursive space of public reception.  
272 Understanding and analyzing these comments provide insights into the perceptions,  
273 interpretations, and responses of the public, shedding light on the dynamic nature of public  
274 engagement with climate-change media.

275 The audience is a key part of the environmental discourse equation, and these two  
276 films generated many positive reviews on the social media pages related to the films.  
277 Audiences' reactions to media are important to understand so that artists, activists, and  
278 academics may even more effectively contribute to environmental awareness. Despite this  
279 clear need, some scholars caution that we lack sufficient knowledge regarding how audiences  
280 react to environmental communication, calling for more such studies (Kluwick, 2014;  
281 Garrard, 2014, p. 20). Solitary public comments on social media may be inconsequential on

282 their own, but together, they are important to understand public reception. Unlike formal  
 283 media, informal social media is often free from the traditional trappings of media criticism;  
 284 the opinions on social media are often that of laypeople who are concerned with different  
 285 aspects of the film than a professional critic would be. Furthermore, the opinion of a friend or  
 286 family member on social media may have more impact on someone than that of a distant  
 287 critic whom the reader does not know. Social media comments are not a perfect stand in for  
 288 an “average” opinion of the film, as social media posts come with their own biases, and there  
 289 are economic and geopolitical factors that affect who is able to access the internet, and by  
 290 extension social media platforms.

291 I manually examined each of the selected 1510 public comments about *Tomorrow*  
 292 (beginning with the comment with the most “likes” (1.4K), ending with those with just one).  
 293 The most-liked comment states that *Tomorrow* is a locally made film with a global  
 294 international standard that carries an environmental narrative. The most-liked comments after  
 295 that are about the quality of the film and that it deserves international accolades. The major  
 296 seven environmental discourses derived from such public comments are presented in Table 1.

297 **Table 1: Example of YouTube Comments from *Tomorrow***

298 *(Arranged by total number of likes in sample)*

Discourse	Total number of likes of the combined comments	Total number of comments	Example of comments <sup>11</sup>
Environmental education	1541	131	“It should be premiere in every School in Bangladesh ... It's the most Realistic animated short movie I ever seen!”
Climate change	1239	95	“This film ... [shows] examples of how climate change can affect us environmentally and as a community”
Sense of place	142	116	“Local places are getting destroyed because of global places” (my translation)

<sup>11</sup> These comments have been selected as fairly typical of the topic. Except for my translations, grammatical and spelling errors in comments have been left as is.

Environmental activism	191	88	“It’s our duty to save our world, to save our people to save the wildlife # stand Against fossil fuel 🌍 # Raise awareness among all the people 🙌”
Environmental storytelling	189	309	“Story is beautiful...I love this story...”
Sustainability	152	158	“If we plants tree more, one day we get a beautiful Bangladesh. Let’s go we plants tree for a beautiful future”
Plastic/waste	110	29	“We should not destroy the environment by producing plastic” (my translation)

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300           Public reactions juxtapose positive reviews of the content of the film with negative  
301 statements about the current local and global environmental conditions. Online commenters  
302 urge showing *Tomorrow* in all primary and secondary schools across Bangladesh while  
303 encouraging elected officials to watch and screen it as well. This commentary connects with  
304 the film narrative as the protagonist of *Tomorrow* is a schoolchild, who goes on an abridged  
305 hero’s journey to affect global politics regarding environmental laws and policies.

306           The comments for *Tomorrow* demonstrate the power of locally produced media, an  
307 aspect of the film which may prove valuable to other environmental communicators and  
308 educators. Climate communication scholars Candice Howarth and Alison Anderson (2019)  
309 highlighted that stronger collaborative bonds between local media and scientific research  
310 helps form a more trusted relationship between local media and other local stakeholders and  
311 increases engagement with climate change. Many comments express an emotional response  
312 to seeing environmental destruction in their own localized area, for example, “Alas! My  
313 home is in Hatia, the southern part of Bangladesh” (my translation). Since *Tomorrow* was  
314 made in Bangladesh, it may create a greater local impact than if it had been produced in  
315 Hollywood, or even Bollywood. Relatedly, Howarth and Anderson (2019) have noted that  
316 climate change is often understood as “abstract and distant” (p. 718). *Tomorrow*, by contrast,  
317 shows how climate change is an issue requiring both local and global action.

318 Earth's restoration is possible only if we can imagine it clearly. Stories occupy an  
319 important role in that ability. For all of us, stories matter; if we know our local story,<sup>12</sup>  
320 especially through local media, we can participate in a range of actions to restore our local  
321 landscapes. However, the public of Bangladesh often do not believe that their elected  
322 officials will reduce the use of fossil fuels on their own. Yet the movie instills civic hope in  
323 some viewers—comments like “should the Prime Minister watch this movie, the country  
324 would benefit greatly” (my translation) reinforce the position in the public discourse that the  
325 ordinary people of Bangladesh do not trust the government to take adequate action.  
326 Intriguingly, this mirrors the events of the film, where the government increases taxes on  
327 fossil fuels following public outcry—showing that such a strategy is viable in the real world.

328 Public comments carry a sense of responsibility and an ethic of care. Commenters use  
329 words and phrases such as “I cannot control my emotions,” “my eyes were moistened while  
330 watching the movies,” “the Earth needs to be protected,” “save Earth, save Bangladesh” and  
331 many more, to explain their sense of empathy and responsibility with local and global places.  
332 These are virtual comments, yet this sense of awareness is exhibited, nonetheless. This is  
333 again demonstrated when commenters give attention to the occasional hypocrisy or at least  
334 inconsistencies in the story. They appreciate the protest against fossil fuels, and critique  
335 Ratul's flight on a fossil fuel-powered airplane; they appreciate the message about the  
336 environment.

337 Regarding environmental activism, there were many comments such as “we each have  
338 a responsibility to save the world,” and “all mass media ought to disseminate this film  
339 massively to create public awareness regarding climate change... the UN must force a new  
340 policy plan over the globe for building green planet again as soon as possible, avoiding  
341 further environmental degradation. Let's reduce fossil fuel usage, stop cutting trees by

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<sup>12</sup> That is to say, how our local environment came to be, and how our actions alter it.

342 planting more, ban the Rampal project, together heal the world, make it a better place.”

343 Comments emphasized the need to act locally, for instance, stopping the Rampal coal-based

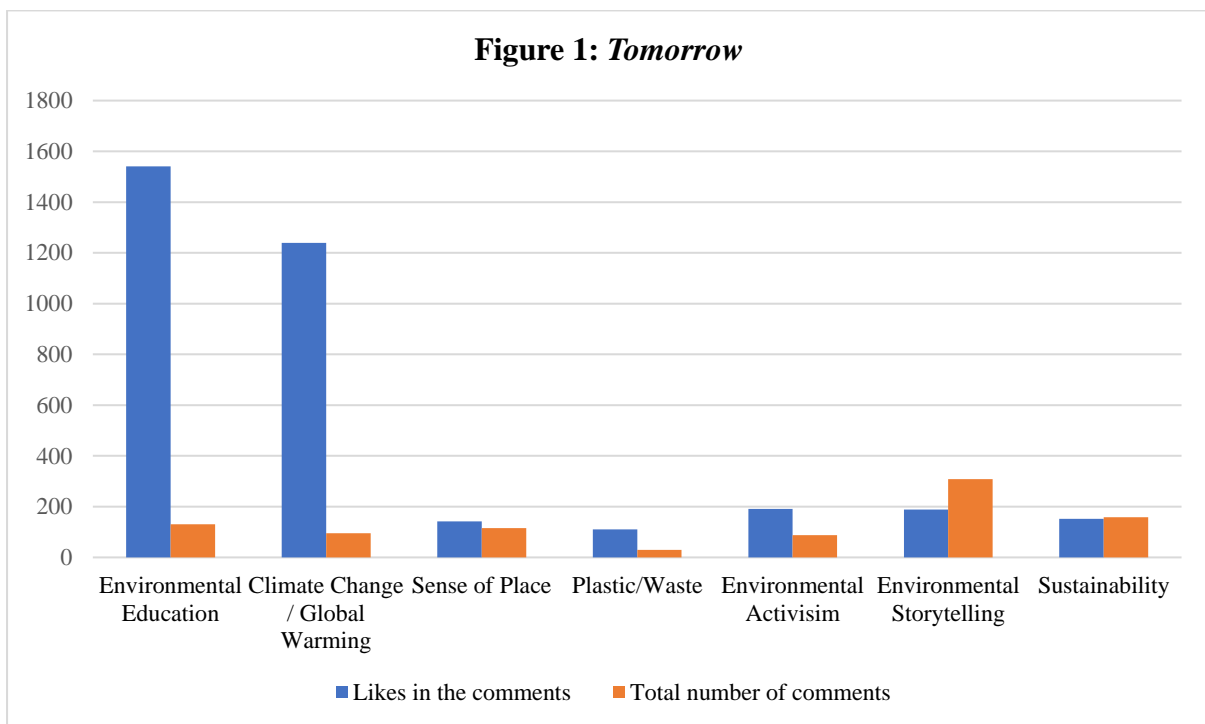
344 power plant, located near the Sundarbans, a UNESCO World Heritage Site, which is causing

345 an adverse impact on the Sundarbans’ biodiversity and ecological conditions. The current

346 administration built the power plant, ignoring feedback from both environmental experts and

347 the masses. There was a collective effort to stop the project, but it went forward anyway.

348



349

350 Figure 1 shows the relationship between the total number of comments by topic in the

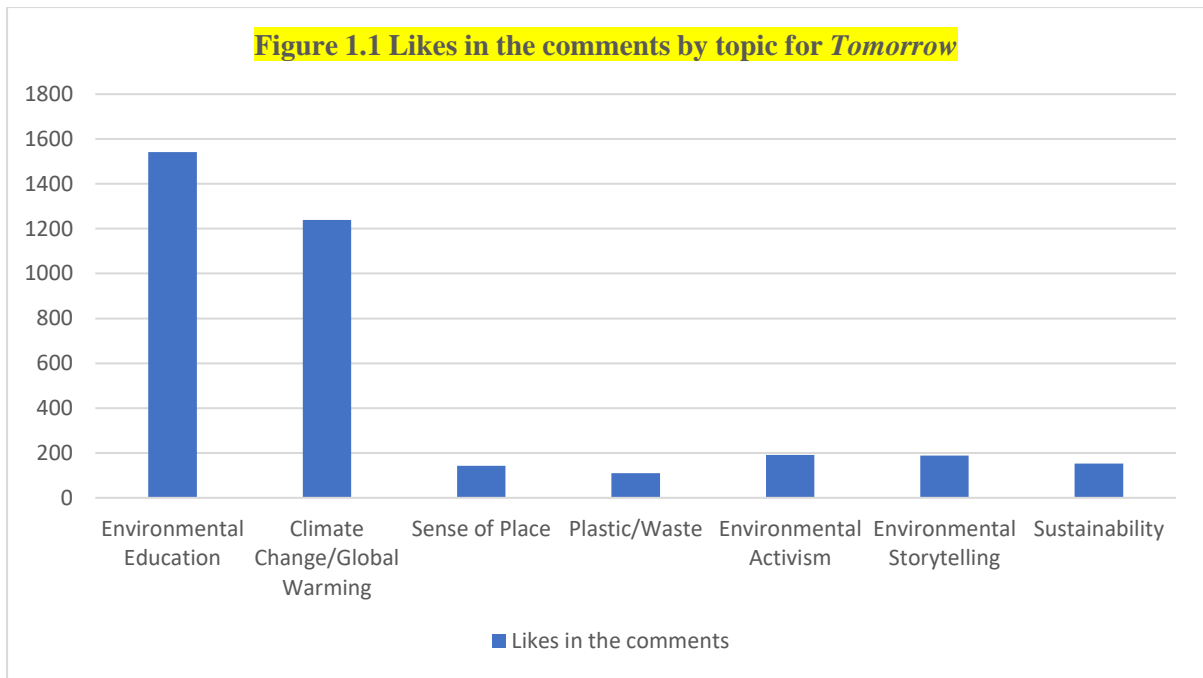
351 sample alongside the total number of likes for that topic. A high like bar indicates many likes,

352 the easier of the two participatory actions. Total comment bars tend to be lower as

353 commenting is harder; the higher an orange bar, the greater the desire to perform deeper

354 participation. The ratio between the two shows how well comments are received.





355

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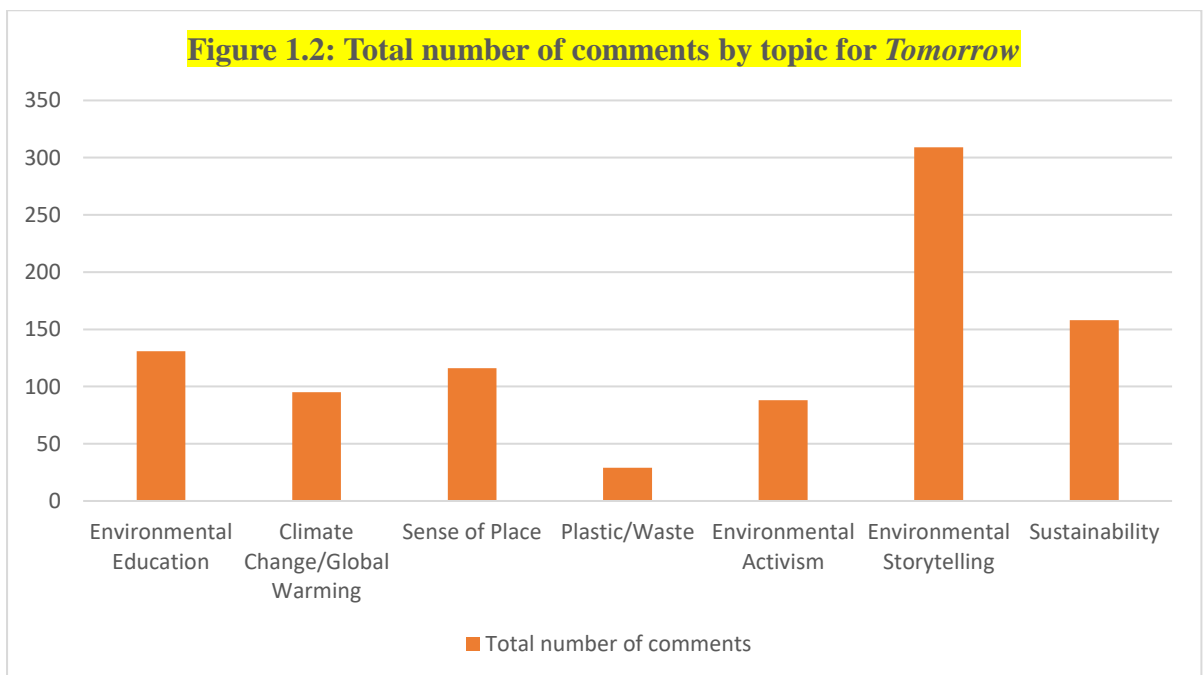
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360

By focusing on the individual aspects covered in the above chart, we can better see what engages online commenters. Of special significance is the generation of likes for Environmental Education topics in comments, which is over 14 times higher than the lowest topic measured, that being plastic/waste. Similarly, Climate Change / Global Warming performed well as a topic for this movie in the comment topics.



361

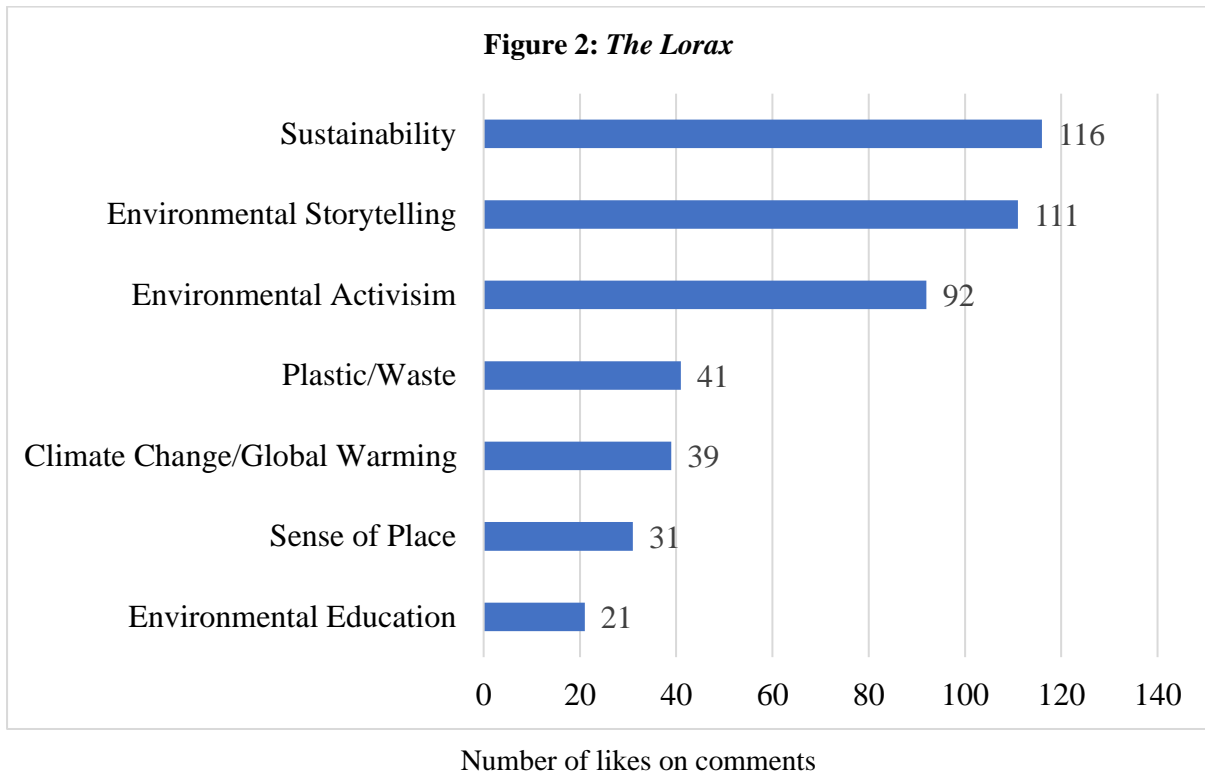
362 Figure 1.2 however shows that the comments that receive the most engagement with  
363 likes is a minority, with the majority of comments focusing on topics related to  
364 environmental storytelling. This provides some insight as to which topics are most likely to  
365 incite a user to act, if we assume that writing and posting a comment is more effort than  
366 liking a comment. It also potentially highlights a worrying disconnect between those who are  
367 the most likely to get involved, and the broader online public.

368 Public comments demonstrate two major demands. First, this film should be  
369 disseminated more widely, including being translated into English and other languages. (The  
370 film was indeed later translated into other languages.) People from outside Bangladesh  
371 should know that the Bangladeshi film industry can make a film that meets international  
372 standards, and people from everywhere should be aware of climate change and become active  
373 in civic discourse to hold their leaders to accountable. Second, common people should  
374 engage in environmental activism and take peaceful civic action. The film suggests imposing  
375 taxes on fossil fuels and investing in renewable energy, solutions echoed in the comments:  
376 the public—individually and collectively, locally and globally—want to create and contribute  
377 to a broad environmental movement.

378 The commenters exhibit a sense of urgency to create a sustainable planet Earth, as  
379 well as their local environment. The tax solution to climate found in *Tomorrow* is also found  
380 in comment analysis: online commenters want to create a movement to combat climate  
381 change and plastic production. This shows that the calls to action given by the film in both its  
382 visual and narrative storytelling were effective in at least inspiring viewers to comment on  
383 their desire to act.

384 The public reactions to *The Lorax*, based on 1000 tweets, are similar to, yet distinct  
385 from, those to *Tomorrow*. For example, “The Lorax is a cinematic masterpiece” and similar  
386 comments show the widely shared opinion that the film had a high production value and was

387 enjoyable. As was the case with *Tomorrow*, the public reaction was also emotional for *The*  
388 *Lorax*—the public cannot tolerate injustices and environmental destruction, even in fiction.  
389 Table 2 and Figure 2 demonstrate the major environmental discourses coded from the public  
390 comments, and the counts of these comments.<sup>13</sup>



391  
392  
393 Figure 2 illustrates that that *The Lorax* commentors responded with likes mostly to  
394 sustainability and environmental storytelling, with environmental activism also performing  
395 well. Notably, environmental education exhibited the lowest performance here, whereas in  
396 *Tomorrow* it performed the best. Climate change/global warming also performed much worse  
397 for *The Lorax*, although this may be more easily explained by *The Lorax* only showing  
398 ecological collapse, and not the explicit threat of real-life climate change.  
399

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<sup>13</sup> Netlytic derived Twitter comments excluded “likes,” thus the exclusion compared to Table 1.

400

**Table 2: Examples of Twitter Comments from *The Lorax***

401

*(Arranged by total number of comments)*

Discourse	Total number of comments	Examples of comments
Environmental education	21	“y’all are getting literal degrees and careers still not believing in climate change. my 2 year old sister understands climate change and all she did was watch the Lorax.”
Sense of place	31	“I am the Lorax and I speak for the trees Save the Amazon, or I’ll break your knees.”
Climate change	39	“#Earth #water The biggest issue of our time #climatechange #unless ‘Unless someone like you cares a whole awful lot, Nothing is going to get better. It’s not.’
Plastic/waste	41	“i am the lorax and i speak for the trees litter again and i’ll break your fucking knees 🤔”
Environmental activism	92	“@JohnBrennan @tedcruz He read Green Eggs and Ham on the Senate floor. I read the book to my 3 children countless times. Can I be a Senator from Texas now? The Lorax is the finest Dr. Seuss book and when Senator I will read that on the Senate floor.”
Environmental storytelling	111	“It is a very deep and inspirational movie ... I truly think it should have won movie of the year in 2012. It has changed my life for the better. This post is not satire.”
Sustainability	116	“The Lorax are we planting more trees — In sha Allah, many more 🌱❤ <a href="https://t.co/evJu2P0iIb">https://t.co/evJu2P0iIb</a> .”

402

403

The most frequent subject of public comments relates to the multifaceted issue of

404

sustainability. The audience knows that online activism can be an effective tool for creating

405

political pressure and social action. An example of a commenter calling for social action is as

406

follows:

407

“As the wise Lorax once said “Unless someone like you cares a whole awful lot,

408

nothing is going to get better. It’s not.” On Saturdays, join us for a Self-Guided Beach

409

Cleanup. Make a difference in as little as two minutes. <https://t.co/lUpXKlmoy3>

410

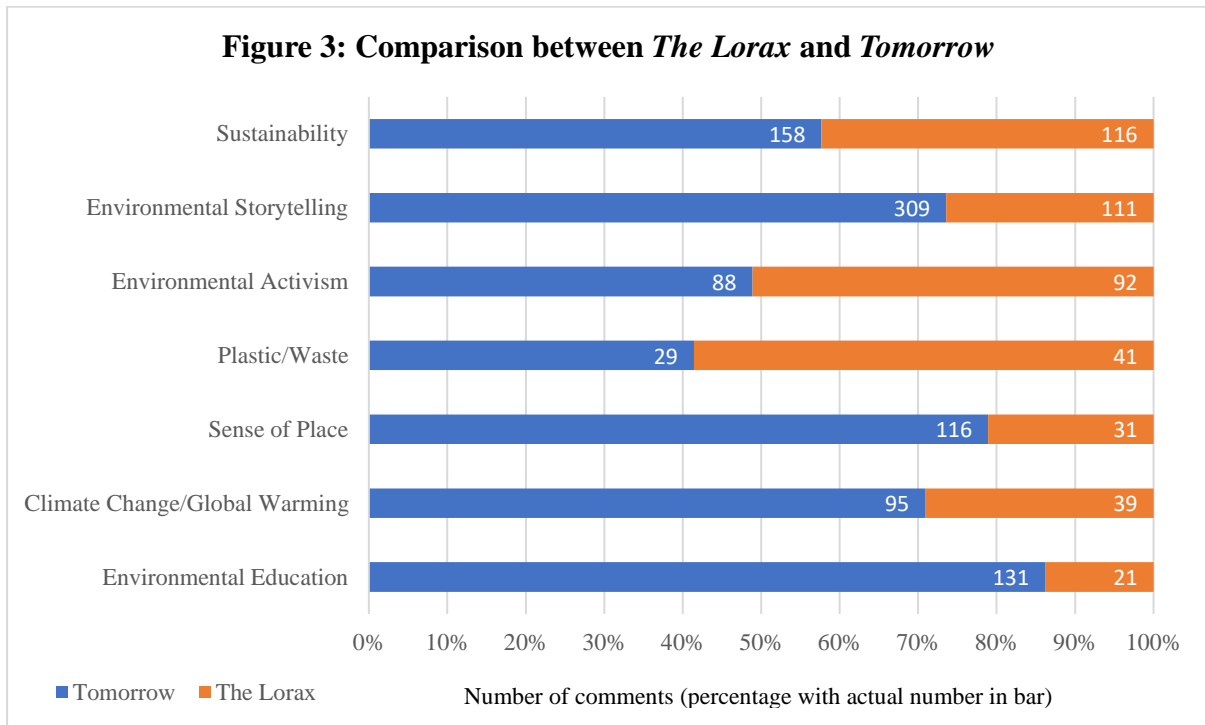
#volunteer”

411

Perhaps the environmental storytelling used by the films is why commenters actively ask for

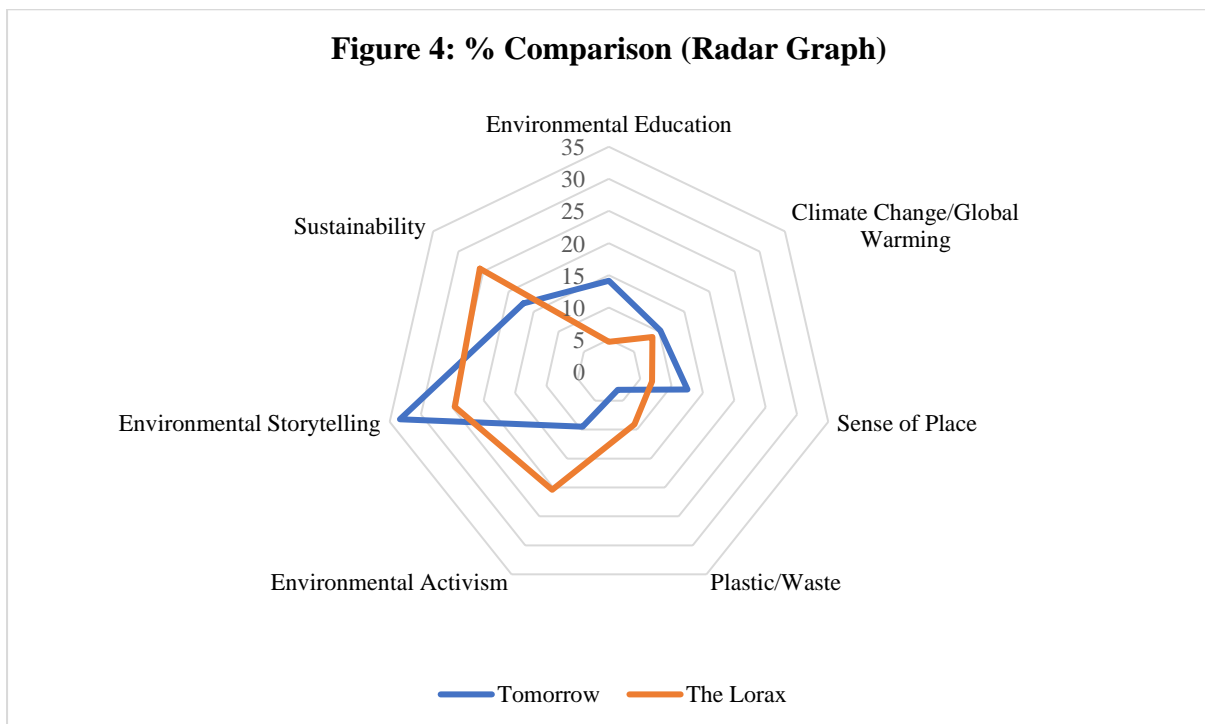
412

initiatives aimed at reducing the plastic impact.



414

415 Figure 3 compares the terms found in the environmental discourse seen within the  
 416 public comments. Since *Tomorrow* has more analyzed comments (1510), it appears higher  
 417 than *The Lorax* (1000) in all discourses when directly comparing raw data. Figure 4 therefore  
 418 compares the percentage of comments by coded subject.



419

420 Today's academic environmental activism draws inspiration from Thoreau, Muir,  
421 Leopold, and Carson, among others, with this academic discourse indirectly influencing ideas  
422 found in public activism through the broader environmental movement. *Walden* (1854) laid  
423 the foundation of modern-day activism because Thoreau coexists with nature. Muir's  
424 establishment of the Sierra Club and encouraging ordinary people to explore Yosemite  
425 Mountain shows activism. Leopold (1986) considers the land as a teacher and emphasizes the  
426 restoration of land is an enduring example of environmental activism. Leopold (1986)  
427 remarks, "A thing is right when it tends to preserve the integrity, stability, and beauty of the  
428 biotic community. It is wrong when it tends otherwise." Carson's (1962) *Silent Spring* is  
429 enduring because it shows women's activism contrary to men's, and it demonstrates her bold  
430 statement against the patriarchy, which is responsible for pesticides and insecticides. In  
431 addition, like *Silent Spring*, Wolfe (2008) argues that *The Lorax* warns of a present danger  
432 and a rapidly approaching future. Comment activity demonstrates that the public also relates  
433 race, ethnicity, and gender with environmental activism. Some comments contend that *The*  
434 *Lorax* is racist and sexist because the Lorax speaks for only for certain trees, as exemplified  
435 by the comment "Quick question: is the Lorax racist against certain trees? He just seems like  
436 the type"<sup>14</sup> and some believe Audrey should have been the protagonist instead of Ted.  
437 Despite the fact that online commenters presumably do not often have backgrounds in  
438 academia, it is notable that a casual informal understanding of intersectionality is sometimes  
439 seen within the comments. In the United States, campaigns about environmental justice have  
440 been historically intertwined with race, class, and gender. For instance, environmental  
441 historian Nancy Unger (2012) has written about how women often interact more closely with  
442 their local environment than men do. Similar to the work of Unger, African American  
443 cultural geographer Carolyn Finney (2015) addresses environmental justice in *Black Faces*

---

<sup>14</sup> Username expunged.

444 *White Spaces*. Finney reviews the history of African American engagement with the  
445 mainstream environmental movement from the early 1900s to the present. Finney focuses on  
446 how African Americans are excluded from the environmental justice movement, but she  
447 espouses the human experience of the story. Public comments tend to deconstruct the  
448 hegemonic racist elements, if informally.

449         When analyzing the discourse of any text, through skip-grams, bigrams, or n-grams, a  
450 word association network prioritizes word-by-word analysis. Methodologically speaking, a  
451 single analysis of just one of these graphs could be highly misleading – they must be  
452 interpreted together, and with context of the films, to avoid making inferences which are not  
453 based in reality. For example, methodologically, the value of “Lorax” appearing in a word  
454 frequency table so much should be discounted, because the use of the word could plausibly  
455 refer to the film, the book, the old television episode, or the character himself. However, by  
456 viewing the other graphs, enough context can be gleaned to provide cautious insight.

457         For *The Lorax*, the word-frequency table demonstrates the top word counts of the  
458 selected tweets, in which the word “Lorax” appears in nearly 800 tweets while “Once-ler,”  
459 the least common term on the list, is in many fewer tweets. However, the count for the word  
460 “Lorax” is included below to provide greater context for a later skip gram analysis. Because  
461 of the discounting of the word “Lorax,” the most significant term here is perhaps “like”  
462 which while not a perfect indicator, generally indicates positive sentiment in conjunction with  
463 the relatively high-ranking word “good.” This is especially noteworthy when compared to the  
464 lower ranked word “bad” (which may also be affected by its heavy use in the fan favorite  
465 song “How bad can I be?”). The word “trees” appears to be relatively highly ranked,  
466 indicating strong environmental sentiment in viewers.<sup>15</sup> Finally, the pair of words “watch”

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<sup>15</sup> The use of the Truffula tree as a movie plot point could contribute to this word being highly ranked, however since the Truffula Tree is a fictional proxy for the overall environment, this inference is appropriate.

467 and “watching”, while individually ranked lower on the graph, would jointly rank higher, and  
468 are often used in comments to indicate personal interaction with the film itself. One example  
469 comment illustrating this as follows: “@<sup>16</sup> Hey lol, wanna watch the lorax together 🍷🍷”  
470

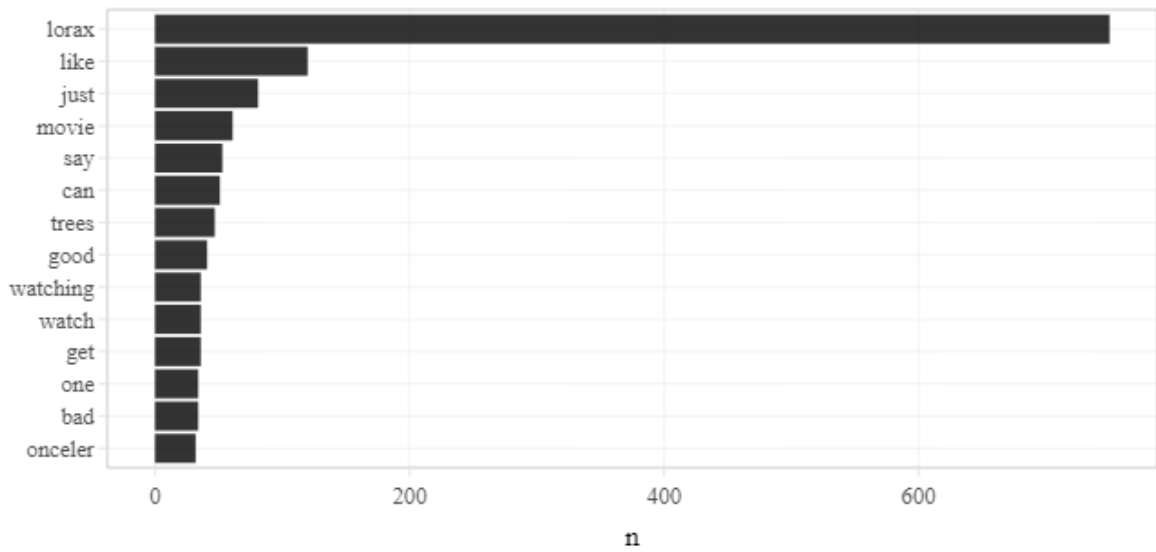
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<sup>16</sup> Username expunged.



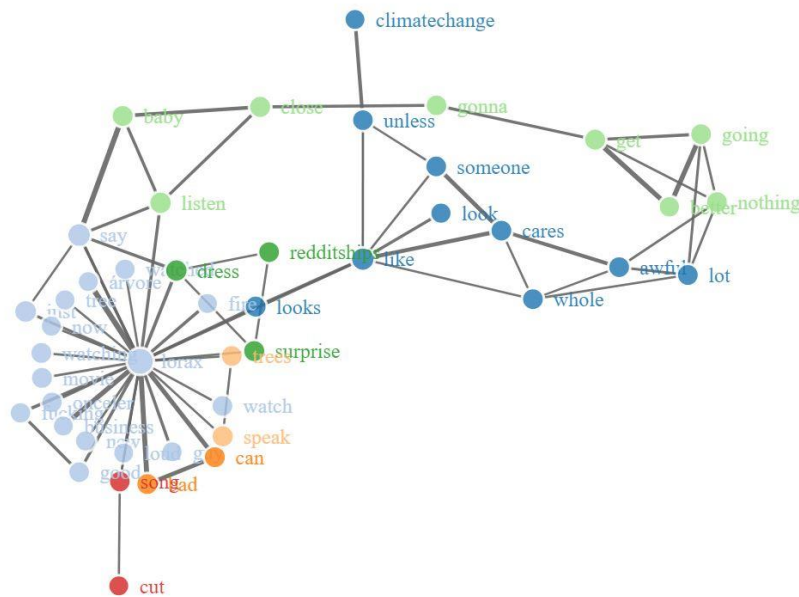
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Figure 5: Top word count for *The Lorax*



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Figure 6: Skip-gram for *The Lorax*

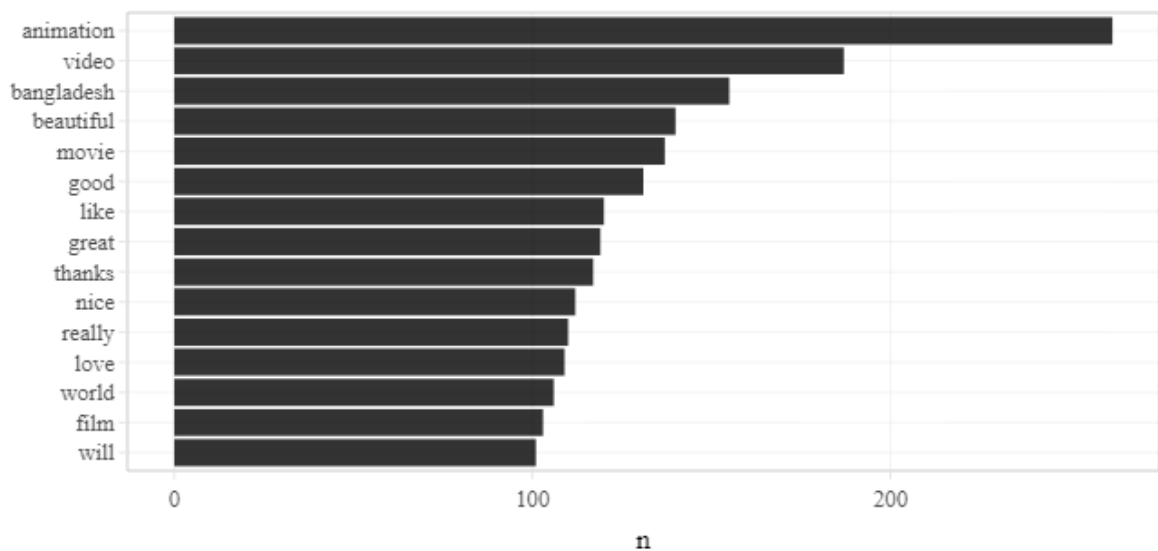


479

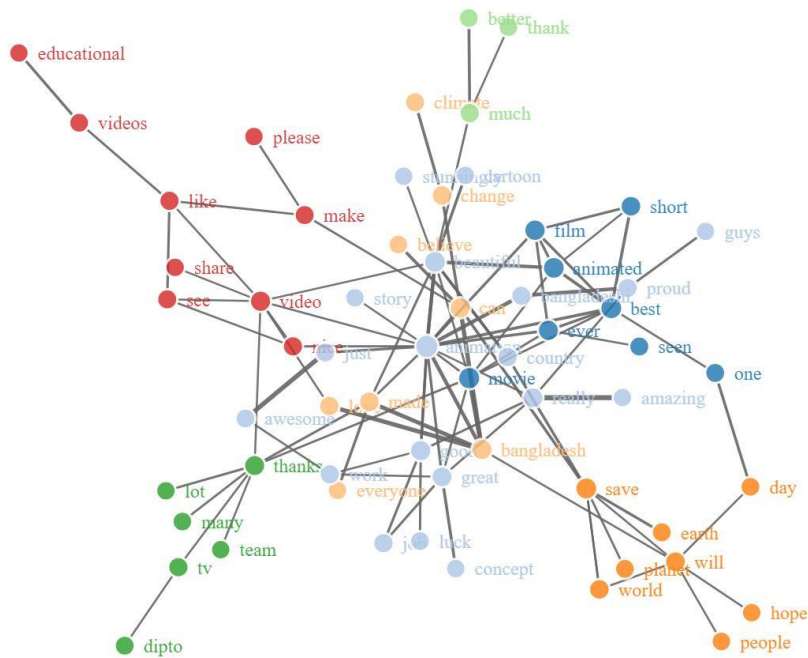
480 For *The Lorax*, the skip-gram count network exhibits the following word chunks. This  
 481 skip gram is centralized around “the Lorax” with a cluster influenced by the phrase “unless  
 482 someone cares a whole awful lot.” While in the previous example, the term “Lorax” should  
 483 be discounted, here the related words show a roughly even split between discussion of the

484 movie itself or the character to these ideas, making it more useful within this context  
485 compared to the previous figure. For the roughly half of instances which emphasize the  
486 narrative of the film over the movie itself, this is linked with the environmental discourse  
487 regarding climate change. Other notable words are revealed by the skip-gram word count,  
488 including “redditships,” referring to offsite discussion of non-canonical romantic relations  
489 between characters, and “dress,” which can perhaps be explained by the distinctive clothing  
490 worn by the characters. In the skip-gram, the word “dress” is directly connected to the word  
491 “redditships”, indicating a close and significant attachment to characters within the narrative,  
492 and is also located (albeit indirectly) in close proximity to the word “looks”, which indicates  
493 an emphasis on aesthetic value judgements. Perhaps factors such as fashion and the aspect of  
494 potential romance between characters are also something to be considered when designing  
495 new environmental media in order to improve audience engagement.

496 **Figure 7: Top Word Count for *Tomorrow***



497  
498

**Figure 8: Skip-gram for *Tomorrow***

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501

502

For *Tomorrow*, the word-frequency table shows that “animation” is the most frequent

503

word that appeared, though this is perhaps affected by the discussion of the film industry in

504

Bangladesh.<sup>17</sup> Many of the highly linked words in the skip-gram demonstrate the positive

505

sentiment of the film and its content generally, such as “awesome”, good, “great”, etc. It is

506

notable that even though the word “Bangladesh” is ranked so high in the top word count, the

507

word “world,” while relatively low ranked among the top words, still demonstrates a global

508

consciousness among the online commenters. This is especially illustrated by the skip-gram,

509

where the word “world” is closely associated with the words “hope,” “save,” and “planet.”

510

Further analysis of the skip-gram count network for *Tomorrow* reveals a more decentralized

511

network when compared to *The Lorax*. This is potentially influenced by the lack of a specific,

512

unifying catchphrase in *Tomorrow*, whereas the central “unless” catchphrase of *The Lorax*

513

comprises a significant wordchunk.

514

<sup>17</sup> A number of online comments take nationalistic pride in a progressing film industry in Bangladesh, using *Tomorrow* to exemplify advancing standards in domestically produced computer animated films.

515 **Environmental catastrophe**

516 *The Lorax* takes a social constructionist view of nature as the film explains that the  
517 trees, the forests, have agency, but must act within a framework established by mankind—an  
518 anthropocentric view. The Lorax, the guardian of the forest, thus establishes a space to  
519 advocate for the rights of nature. The Lorax’s proclamation in the opening scene, “I am the  
520 Lorax, I speak for the trees,” (0:00:56) establishes the role of the Lorax in representing nature  
521 more broadly. The tone of the film is set by the deceptively bright city of Thneedville, set  
522 against a foreboding sickly purple dawn. This city is one of artificiality, in which every entity  
523 is made of artificial products: “a town without Nature, not one living tree” (0:01:24). In this  
524 city, trees are made of plastic and their colors can be changed by clicking remote buttons.  
525 Environmental pollution in the film is often implied through use of plastic, and the exclusive  
526 use of synthetic materials instead of those found in nature. The artificiality of Thneedville  
527 constitutes a major crisis in the film. Thneedville society takes capitalist pride in  
528 commodifying nature: O’Hare informs Ted, “I make a living selling fresh air to people”  
529 (00:31:19). Ted’s search for an original tree is a business threat to O’Hare’s company. Moore  
530 (2016) explains the intimate relationship that exists between children, consumer culture, and  
531 commercial media in the United States. Moore (2016) shows that both “the news and  
532 entertainment industries reveal that the way Hollywood treats a subject like the environment  
533 is not an exception to the rule; instead, the consistent subjugation of environmental concerns  
534 is part of a broader capitalist logic in a concentrated market” (p. 5). This also connects to  
535 real-life industrialists, as in when Frankfurt School critics Max Horkheimer and Theodor  
536 Adorno (2007) discuss capitalist social structures, arguing that material identities are assigned  
537 to nonmaterial cultures (perhaps also natural resources), commodifying them into the  
538 products from which capitalists could profit. These natural resources are manufactured,  
539 bought, and sold like a commodity. Environmental historian William Cronon (1996) has also

540 described the impact of nature as commodity not just in American culture and landscape but  
541 in the entire planet Earth for centuries.

542         The excessive use of plastic and artificiality are symbols of late-stage capitalism. In  
543 that regard, the opening song's lyrics stress the phrase "brand new" that references that we  
544 live now in an advanced capitalist society which fetishizes consumerism: "If you put  
545 something in a plastic bottle, people will buy it" (11:24). Commodification increases when  
546 natural entities are treated without respect with some exceptions. The film implies that  
547 Truffula trees are valuable and a positive, desirable asset, because by providing food, shelter,  
548 and oxygen, Truffula trees help reduce environmental threats.

549         *Tomorrow* also presents the idea of nature, but it is not a socially constructed nature,  
550 nor a nature that is soothing and tranquil. Rather, it emphasizes that reckless behavior from  
551 humanity not only damages the environment, but also makes nature uninhabitable for  
552 humans. Irresponsible human actions make the environment more vulnerable to future  
553 damage. The village in *Tomorrow*, unlike *Thneedville*, is not artificial, yet its people lack a  
554 sense of environmental consciousness just as in *The Lorax*, until Ratul's father joins the  
555 conversation about the land erosion with the people. Their conversation and the conversation  
556 between Ratul and the Old Man of the Winds change their attitude—they gain an  
557 understanding of nature which make them proactive in slowing down the unfolding disaster  
558 and envisioning—literally showing the audience—a future full of hope. Such a positive  
559 narrative work against the idea that it is too late to act to prevent catastrophes.

560         Plastic waste is another environmental catastrophe on its own, which additionally is a  
561 contributing factor to global warming, as plastic production and transportation require fossil  
562 fuels. *The Lorax* shows the audience the impact of waste and wanton consumption on the  
563 environment. The Lorax demonstrates that the process of wanton cutting down trees and  
564 making clothes (fantastical knitting) out of it as a wasteful practice. But the Once-ler,

565 considers the result of this tree-cutting and knitting process “revolutionary.” The product has  
566 a multitude of uses, and the audience may be inclined to agree at first, enhancing the impact  
567 of this cautionary tale. “Whoa,” is Ted’s reaction when he steps out of the walled Thneedville  
568 and sees the industrial waste. Thneedville produces a lot of waste but has no policy regarding  
569 waste management beyond hiding it from public view; this is a reminder that the whole world  
570 suffers from waste management policies that are effectively wishful thinking and likely  
571 encourages the viewer to consider the impact of the industrial society fuelled by their own  
572 wanton consumption. Industrial waste is also a critical theme in *Tomorrow*. In the dream,  
573 when the Old Man of the Winds takes Ratul on a tour of the world, Ratul notices chimneys  
574 spewing greenhouse gases in the atmosphere. The Old Man of the Winds instructs Ratul that  
575 coal needs to be replaced as a source of energy.

576 Both *The Lorax* and *Tomorrow* encourage the viewer to foster a desire to protect  
577 nature, albeit in different ways. *The Lorax* fosters a protective desire through Audrey’s and  
578 Ted’s quest for Truffula trees, Grammy’s Indigenous sense of conservation, and the Lorax’s  
579 mission to speak for trees. Although Wolfe (2008) focuses on Dr. Seuss’s book, Wolfe’s  
580 observation that, “[. . .] nature is elevated from inferiority to a form of divinity” is germane in  
581 the context of film (p. 14). *Tomorrow* fosters love for nature by creating an awareness about  
582 climate change and biodiversity.

583

#### 584 **Environmental storytelling: sense of place**

585 These films deal with both place and displacement, important concepts in  
586 environmental education. “The integration of place into education is important,” writes  
587 sustainability scholar David Orr, as “knowledge of place where you are and where come from  
588 is intertwined with knowledge of who you are. Landscape, in other words, shape mindscape”

589 (2013, p. 93). These films use storytelling show how human beings and animals are  
590 displaced.

591           Storytelling is an important element in combatting large-scale problems such as  
592 climate change. Stories lead to greater emotional attachment than raw data does. In looking at  
593 the impact of stories, I return to Jonathan Gottschall's (2012) statement, "we are, as a species,  
594 addicted to story. Even when the body goes to sleep, the mind stays up all night telling itself  
595 stories" (12). Cherokee author Thomas King's (2003) statement, "The truth about stories is  
596 that that's all we are" (2) or environmental historian William Cronon's (1992) statement  
597 inspired by Graham Swift that human beings are "storytelling creatures" underscore the  
598 importance of storytelling. But humans are not the only storytelling creatures; other animals,  
599 plants, spirit beings are the storytelling creatures too. The tree, the land, the other non-human  
600 entities have agency, and they are storytelling creatures too, as demonstrated in the films. In  
601 *The Lorax*, although of course somebody else has to speak for those trees, they nonetheless  
602 have agency, and in *Tomorrow*, the Old Man of the Wind is not human but rather a spiritual  
603 entity. By incorporating non-humans into storytelling, these movies help combat human  
604 supremacist attitudes, by showing that man cannot stand alone against environmental  
605 collapse.

606           Movies cover important environmental features in the form of storytelling discourse,  
607 which also encompasses the field of storytelling discourse aimed at children. Dolores Subia  
608 BigFoot and Megan Dunlap (2006) note that "[s]tories give reason to the overall scheme of  
609 things" (p. 134). *The Lorax* and *Tomorrow* carry an environmental storytelling tradition to  
610 teach children a sense of place through stories (animated films are often aimed at children,  
611 and teach both children and the parents; if children miss out anything, the parents can pick it  
612 up). BigFoot and Dunlap (2006) suggest that "Parents, grandparents, and other relatives used  
613 stories to help children understand their place in the world and how they could show their

614 gratitude for their existence” (p. 135). This is evidenced in the social media analysis, where  
615 one commenter stated “my 2 year old sister understands climate change and all she did was  
616 watch the Lorax”

617 Both films have a simple environmental storytelling trajectory, but that simplicity is  
618 grounded within the place of each respective culture. *Tomorrow* focuses on a specific place  
619 along the coastline of Bangladesh; *The Lorax* is a fantasy place that could be anywhere and  
620 nowhere. If places are ecological and cultural, I would argue that the sense of place is linked  
621 to the art of storytelling, ultimately linked to education and pedagogy. Orr (2013), for  
622 instance, demonstrates the nexus between place and pedagogy. Orr’s understanding of place  
623 as an educational tool emerges from Thoreau’s *Walden* (1854) (to be exact, “*Walden* is a  
624 model of the possible unity between personhood, pedagogy, and place”) and conservationist  
625 Leopold’s (1986) philosophy of “man as a biotic citizen.” Although non-human entities are  
626 appropriated for our use, *Walden* (1854) emphasizes natural entities in a way that could help  
627 contemporary culture be more sustainable, such as in issues like bottled water compared to  
628 tap water. A similar perspective can be seen from Leopold, who draws us across time and  
629 space by introducing ideas like the “land ethic” and asking human beings to think “like a  
630 mountain.” These philosophies should be highlighted with a greater emphasis in popular  
631 culture. By and large, these philosophies demonstrate how place plays a role in our moral and  
632 psychic transformation. In *Tomorrow*, although commoners lack an academic or formal  
633 understanding of place consciousness, they eventually show the unity and a sense of  
634 belongingness needed to protect and preserve their local place. In *The Lorax*, the not-real  
635 place still demonstrates influences from its Californian creators of 2012, such as general  
636 heightened concern over environmental catastrophes like the 2011 Fukushima disaster in  
637 areas on the Pacific. In the film, a child begins glowing a radioactive green as he sings “I just  
638 went swimming, and now I glow!” (0:03:03). Stories with connections to place are important



639 as “[s]tories can give children a sense of belonging to their family, community, and tribe, and  
640 this can instil a sense of purpose, identity, and hope. Stories could be an extremely positive  
641 force in the life of children” (BigFoot and Dunlap, 2006, p. 5). *The*  
642 *Lorax* and *Tomorrow* share the spectrum of life stories: as evidenced by online comments  
643 such as “local places are getting destroyed because of global places,” these stories can create  
644 a compelling connection between the storyteller and listener/spectators. These two films are  
645 similar in that common people within the films are engaged to love their local places.  
646 Initially, the Once-ler’s family is not respectful of the local place and environment, but when  
647 the Once-ler gives Ted a seed to make the local place abundant with trees, the local place  
648 matters. People rally around Ted for planting the seed, although they had almost been  
649 convinced otherwise by O’Hare’s deceptive speech. In the same way, the common people  
650 start a movement to save their village from climate crisis in *Tomorrow*. These are both ways  
651 of showing place and action. In this way the audience learns from example how they may  
652 avert their own climate catastrophes.

653         Storytellers can create a sense of connectedness with the stories. The Once-ler and  
654 Ted’s grandmother serve as the role of storyteller. Granny initiates the storytelling session,  
655 but she sends Ted to the Once-ler for firsthand experience. The Once-ler starts sharing the  
656 story with “it all started a long time ago” (00:16:45). The Once-ler’s starting cue gives us a  
657 sense of hearing a “once upon a time” story. He later uses the phrase “a long time ago,” at  
658 least three times, hinting that the environmental destruction on Earth started a long time  
659 before. As a storyteller, the Old Man of the Winds, in *Tomorrow*, appears in Ratul’s dream  
660 and blames him for the deplorable condition of the planet. He takes Ratul away with him to  
661 show the cruelty of people on nature: factories are emitting fumes and the use of fossil fuels  
662 are resulting in air pollution, the greenhouse effect, and related human eco-sicknesses.

663

664 **Environmental education: sustainability**

665 Today, many animated films are incorporated into educational curricula because of  
666 the impact they can have. *The Lorax* and *Tomorrow* are ideal candidates to be educational  
667 tools for children as these films visually show (rather than just tell) fundamental  
668 environmental problems and potential solutions. Both films can also be a platform to teach  
669 children about preserving nature.

670 *The Lorax* and *Tomorrow* promote a world where sustainability and environmental  
671 consciousness are prioritized over reckless economic and technological development. Both  
672 films critique capitalism for setting society down a path of self-destruction. When Ted leaves  
673 the town in search of the Once-ler, Ted is being watched on his way out by the corporate  
674 enforcers of O'Hare, who report on anything that threatens their industrial progress. Progress  
675 is the main goal for Thneedville's people. The Once-ler's mother rebukes him for not being  
676 "successful." The Once-ler thus starts changing the world, but the spell of capitalism does not  
677 fool the Once-ler forever, as he eventually recognizes the monstrous effects of unchecked  
678 capitalism. In *Tomorrow*, Ratul learns about the impact of capitalism when he travels with the  
679 Old Man of the Winds who shows him the advanced capitalist societies which are least  
680 sustainable (even though some pretend to be). Ratul becomes conscious of the negative  
681 aspects of the socio-political-economic nexus of capitalism, but he cannot remain free from  
682 it. The films show the audience through visual storytelling what the consequences of life in a  
683 capitalist society that reveres progress and success, and, later, how the lives of the people  
684 within that society improve when environmental consciousness triumphs over the  
685 commodities market.

686 The films both suggest that the destruction caused by unrestrained capitalism may be  
687 averted through action. In *The Lorax*, Ted brings meaningful change by helping begin to  
688 restore the environment. *Tomorrow* also offers solutions, such as imposing taxes on fossil

689 fuels and implementing green energy around the world. *Tomorrow* asks its audience “Are you  
690 with us?” (20:55) and tries to create a sense of urgency to get its audience to act.

691         These films can help instill the idea that sustainability is more about actions rather  
692 than just caring about nature. *Tomorrow* suggests an alternative to the present world by  
693 showing a world occupied with environmentally responsible inhabitants; *The Lorax* suggests  
694 a return to a more natural environment as an alternative to an artificially lavish life. These  
695 alternatives are designed to preserve nature. It is important to note that these films do not  
696 reject societal progress outright, but they oppose development rooted in industrial toxic  
697 consumerism which can cause the displacement of millions of people and the extinction of  
698 species.

699         Perhaps the most important characteristic for any educational tool is to leave a  
700 discursive space. These films question their surroundings, the human interference with our  
701 environment, the inevitable consequences of such interference, and they provide examples of  
702 a remedy. *The Lorax* suggests it is “not too late”; that is, if people give up their  
703 anthropocentric attitudes and seek harmony between nature and human, their doom can be  
704 prevented. *Tomorrow* shows the need to be prepared for a calamity that cannot be evaded, but  
705 also shows a glimmer of hope. It endows the audience with agency, when it tells Ratul, the  
706 audience surrogate, “This is your planet, you have to find out the answer” (21:54). These  
707 films leave unfinished tasks to be comprehended and finished by the audience.

708         These films also offer pedagogical opportunities because they convey their messages  
709 through non-traditional formats such as social media, humor, song/rhyme, satire, etc. For  
710 example, the song “How Bad Can I Be?” in *The Lorax* provides insight into the greed-driven  
711 soul who avoids caring for a few trees in the desire to make money. In *Tomorrow*, there is the  
712 presence of social media. Ratul starts campaigning on Facebook about fossil fuels from a  
713 local place, and he receives global responses, as people from around the entire world protest.

714 **Conclusion**

715           Using environmental discourse analysis to understand how discourses about climate  
716 change and sustainability, to list a few, are changing, is an important task. This is  
717 acknowledged in the literature—Elliott and Cullis (2017) have written, “the humanities  
718 should be more confident and vocal in addressing climate change” (p. 15). Although the  
719 number of creative works on climate change is increasing, their growth is not as substantial as  
720 the increase in risks we are encountering. Heise (2008) argues that “climate change poses a  
721 challenge for narrative and lyrical forms that have conventionally focused above all on  
722 individuals, families, or nations, since [climate change] requires the articulation of  
723 connections between events at vastly different scales” (p. 205). Although it is challenging, the  
724 most powerful environmentally driven artwork and films focus on local, regional, and global  
725 riskscapes. The combination of these different scales described by Heise can be tricky, but  
726 these films show it can be done. In *Tomorrow*, local action leads to global change, and in *The*  
727 *Lorax*, action within Thneedville leads to improvements in the lands outside the city.

728           In *The Lorax*, as time passes, new trees begin sprouting, animals return, and the  
729 repentant Once-ler joins the Lorax, everything in its proper place. The film ends with the note  
730 that unless someone comprehends the awful consequences that awaits us and takes prompt  
731 action, “nothing is going to get better.” *The Lorax* seeks to promote ecological awareness  
732 among people showing the repercussions of their deeds “unless” they start taking care of the  
733 environment. Film critics say that *The Lorax* is too political or scares children from the  
734 environment by giving them “ecophobia” (Potts, 2019). Yet some are more hopeful, such as  
735 critic Deidre Pike (2012), who deems *The Lorax* a “‘dialogic enviro-toon’ not presenting a  
736 subject merely for entertainment but creating a safe zone for exploration of environmental  
737 facts, ideas, images, and perspectives” (p. 13). Public commenters generally seem to agree  
738 with Pike, and do not seem hindered by the message of *The Lorax*. Rather than them being

739 too political and ecophobia-inducing, I would argue *The Lorax* and *Tomorrow* have the  
740 power to inspire the next Greta Thunberg in households around the world.

741           The uncertainty with which *Tomorrow* starts is a recurring theme throughout its entire  
742 runtime. The film ends with a note of hope which environmentalist McKibben (2019) praises  
743 in his tweet saying, “it never blinks at the horrors in store, but refuses to give up hope.”  
744 Human beings are driving the great sixth mass extinction, but there is still time to take  
745 initiative—a sentiment demonstrated in both the environmental discourses in the content of  
746 these films and the public reactions. We need creativity, imagination and hope to face the  
747 environmental crisis. The environmental discourse analysis of these films and the public  
748 comments symmetrically convey the message: nature is on the brink of disaster in both films,  
749 nevertheless both give the audience hope for the future.

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752 **Works cited and consulted**

- 753 *Bangladesh: internet penetration rate*. (n.d.). Statista. Retrieved September 6, 2023, from  
754 <http://www.statista.com/statistics/764102/internet-penetration-rate-bangladesh/>
- 755 BigFoot, D. S., & Dunlap, M. (2006). Storytelling as a Healing Tool for American Indians. In  
756 T. M. Witko (Ed.), *Mental health care for urban Indians: Clinical insights from*  
757 *Native practitioners* (pp. 133–153). American Psychological Association.  
758 <https://doi.org/10.1037/11422-007>
- 759 Caraway, K., & Caraway, B. R. (2020). Representing Ecological Crises in Children’s Media:  
760 An Analysis of The Lorax and Wall-E. *Environmental Communications*, 14(5), 686-  
761 697. <https://doi.org/10.1080/17524032.2019.1710226>
- 762 Clark, T. (2011). The Inherent Violence of Western Thought? *The Cambridge Introduction*  
763 *to Literature and the Environment*. Cambridge: Cambridge University Press.
- 764 Cronon, W. (1996). Introduction: In Search of Nature. *Uncommon Ground: Rethinking*  
765 *Human Place in Nature*. New York: W.W. Norton & Co.
- 766 Desk, A. & E. (2021, September 27). *Bangladeshi animation film “Tomorrow” Bags Cannes*  
767 *World Film Festival Award for Best Animation film*. The Daily Star.  
768 [https://www.thedailystar.net/entertainment/tv-film/news/bangladeshi-animation-film-](https://www.thedailystar.net/entertainment/tv-film/news/bangladeshi-animation-film-tomorrow-bags-cannes-world-film-festival-award-best-animation-film-2185166)  
769 [tomorrow-bags-cannes-world-film-festival-award-best-animation-film-2185166](https://www.thedailystar.net/entertainment/tv-film/news/bangladeshi-animation-film-tomorrow-bags-cannes-world-film-festival-award-best-animation-film-2185166)
- 770 Elliott, A., Cullis, J. (2017). The Importance of the Humanities to the Climate Change  
771 Debate. In: Elliott, A., Cullis, J., Damodaran, V. (Eds.) *Climate Change and the*  
772 *Humanities*. Palgrave Macmillan, London. [https://doi.org/10.1057/978-1-137-55124-](https://doi.org/10.1057/978-1-137-55124-5_2)  
773 [5\\_2](https://doi.org/10.1057/978-1-137-55124-5_2)
- 774 Finney, C. (2015). *Black Faces, White Spaces: Reimagining the Relationship of African*  
775 *Americans to the Great Outdoors*. The University of North Carolina Press: Chapel  
776 Hill.

777 Garrard, G. (2014). *The Oxford Handbook of Ecocriticism*. Oxford University Press.

778 Gottschall, J. (2012). *The Storytelling Animal: How Stories Make Us Human*. Boston/New  
779 York: Houghton Mifflin Harcourt.

780 Gruzd, A. (2020). Netlytic: Software for Automated Text and Social Network Analysis.  
781 Available at <https://Netlytic.org/index.php>. *Nostalgia Critic Commentary: The Lorax*.  
782 <https://channelawesome.com/nostalgia-critic-commentary-the-lorax/>

783 Heise, U.K. (2008). *Sense of Place, Sense of Planet: The Environmental Imagination of the*  
784 *Global*. New York: Oxford University Press.

785 Horkheimer, M. & Adorno, T. (2007). "The Culture Industry: Enlightenment as Mass  
786 Deception." In S. During (Ed.), *Dialectic of Enlightenment. The Cultural Studies*  
787 *Reader*. London and New York: Routledge.

788 Hossain, B., Sohel, M. S., et al. (2020). Climate Change Induced Extreme Flood Disaster in  
789 Bangladesh: Implications on People's Livelihoods in the Char Village and Their  
790 Coping Mechanisms. *Progress in Disaster Science*, 6, 100079.  
791 <https://doi.org/10.1016/j.pdisas.2020.100079>.

792 Howarth, C & Anderson, A. (2019). Increasing Local Salience of Climate Change: The Un-  
793 tapped Impact of the Media-science Interface. *Environmental Communication*, (13)6,  
794 713-722. DOI: 10.1080/17524032.2019.1611615

795 Hulme, M. (2014). Why We Disagree About Climate Change: Understanding Controversy,  
796 Inaction and Opportunity. In Greg Garrard (Ed.), *The Oxford Handbook of*  
797 *Ecocriticism*. Oxford University Press.  
798 <https://twitter.com/billmckibben/status/1211276652178759680>. (n.d.). X (Formerly Twitter).  
799 Retrieved September 6, 2023, from  
800 <https://twitter.com/billmckibben/status/1211276652178759680>  
801

- 802 King, T. (2003). *The Truth About Stories: A Native Narrative*. Toronto: House of Anansi  
803 Press.
- 804 Kluwick, U. (2014). Talking about Climate Change: The Ecological Crisis and Narrative  
805 Form. In Greg Garrard (Ed.), *The Oxford Handbook of Ecocriticism*. Oxford  
806 University Press.
- 807 Leopold, A. (1986). *A Sand County Almanac and Sketches Here and There*. Illustrated by:  
808 Charles W. Schwartz. London/Oxford/New York: Oxford University Press.
- 809 Meadows, D. (1994). "Envisioning A Sustainable World."  
810 <https://donellameadows.org/archives/envisioning-a-sustainable-world/>
- 811 Moore, E. (2016). Green Screen or Smokescreen? Hollywood's Messages about Nature and  
812 the Environment. *Environmental Communication*, 10(5), 686-  
813 697, DOI: 10.1080/17524032.2019.1710226
- 814 Mühlhäusler, P. & Peace, A. (2006). "Environmental Discourses." *Annual Review of*  
815 *Anthropology*, (35), 457-479.
- 816 McKibben, B. [@billmckibben]. (2019, December 29). *Loosely inspired by Dickens, this*  
817 *Bangladeshi animated tale about climate change is wonderfully done. It never blinks*  
818 *at the horrors in store, but refuses to give up hope.* [Tweet].  
819 Twitter. <https://twitter.com/billmckibben>
- 820 Orr, David W. (2013). Place and Pedagogy. *Ecological Literacy: Education and Transition to*  
821 *a Postmodern World*. New York: State University of New York Press. 125-131
- 822 Peace, A. (2018). Environmental Discourse Analysis. *Environmental Humanities*. In Noel  
823 Castree, Mike Hulme, and James Proctor (Eds.). Routledge, London and New York.
- 824 Pike, D. M. (2012). *Enviro-Toons: Green Themes in Animated Cinema and Television*.  
825 Jefferson, NC: McFarland.
- 826 Stephanie, L & Stephanie, F. (2012). The Sustainable Humanities. *PMLA*, (127), 572-578



- 827 Renand, Chris. (2012). *The Lorax*. Illumination Entertainment.
- 828 The Business Standard. (2021, October 16). My Role in ‘Tomorrow’ Was to Motivate Our  
829 Team and Help Them Dream Big - Mohammad Shihab Uddin.  
830 [https://www.tbsnews.net/glitz/my-role-tomorrow-was-motivate-our-team-and-help-](https://www.tbsnews.net/glitz/my-role-tomorrow-was-motivate-our-team-and-help-them-dream-big-mohammad-shihab-uddin-316519)  
831 [them-dream-big-mohammad-shihab-uddin-316519](https://www.tbsnews.net/glitz/my-role-tomorrow-was-motivate-our-team-and-help-them-dream-big-mohammad-shihab-uddin-316519)
- 832 Thoreau, H. D. (1854). *Walden*. Obtained from Project Gutenberg,  
833 <http://www.gutenberg.org/ebooks/205>.
- 834 Uddin, M. S. (2019). *Tomorrow*. Kazi Media Limited.
- 835 Unger, N. (2012). *Beyond Nature’s Housekeepers: Women in American Environmental*  
836 *History*. Oxford University Press (Illustrated Edition).
- 837 Van Rossum, G., & Drake, F. L. (2009). *Python 3 Reference Manual*. Scotts Valley, CA:  
838 CreateSpace. [https://towardsdatascience.com/how-to-scrape-youtube-comments-with-](https://towardsdatascience.com/how-to-scrape-youtube-comments-with-python-61ff197115d4)  
839 [python-61ff197115d4](https://towardsdatascience.com/how-to-scrape-youtube-comments-with-python-61ff197115d4)
- 840 Warner, M. (2002). Publics and Counterpublics. *Public Culture*, 14(1), 49–90.  
841 <https://doi.org/10.1215/08992363-14-1-49>.
- 842 Wolfe, D. (2008). The Ecological Jeremiad, the American Myth, and the Vivid Force of  
843 Color in Dr. Seuss’s *The Lorax*. *Environmental Communication*. 2(1), 3-24.