

**Supplementary Information for the article:**

Creating a climate changed future with the sea level rise interactive-fiction game 'Lagos2199'

**Table of source information for Environment, Concept, and Character art for 'Lagos2199' game**

Concept art number	Title of concept art	Photographic subject	Photographic source	Photographic license	Photographic URL
1	Eko City docks	Causeway Bay Typhoon Shelter, Hong Kong	Bernard Spragg	Public domain	<a href="https://flickr.com/photos/88123769@N02/16013769556">https://flickr.com/photos/88123769@N02/16013769556</a>
2	Eko City skyline	New York skyline	Pierre Blaché	Public Domain	<a href="https://www.flickr.com/photos/pierre9x6/49180240557/">https://www.flickr.com/photos/pierre9x6/49180240557/</a>
3	Business man background	Adelaide jetty	Bernard Spragg	Public domain	<a href="https://www.flickr.com/photos/volvob12b/19857206540">https://www.flickr.com/photos/volvob12b/19857206540</a>
		Hong Kong Kennedy tower	Bernard Spragg	Public domain	<a href="https://www.flickr.com/photos/volvob12b/14860195136">https://www.flickr.com/photos/volvob12b/14860195136</a>
		Hong Kong harbor	Bernard Spragg	Public domain	<a href="https://commons.wikimedia.org/wiki/File:Victoria_Harbour,_Hong_Kong_(9062593818).jpg">https://commons.wikimedia.org/wiki/File:Victoria_Harbour,_Hong_Kong_(9062593818).jpg</a>
		Hong Kong buses	Bernard Spragg	Public domain	<a href="https://flickr.com/photos/88123769@N02/21282059684">https://flickr.com/photos/88123769@N02/21282059684</a>
4	Ikorodu City	Singapore skyline	Srijn Dijkstra	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/photo-of-singapore-cityscape-during-golden-hour-2499786/">https://www.pexels.com/photo/photo-of-singapore-cityscape-during-golden-hour-2499786/</a>
5	Space Port close-up	Low Angle Photography of Rocket	Pixabay	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/low-angle-photography-of-rocket-65704/">https://www.pexels.com/photo/low-angle-photography-of-rocket-65704/</a>
6	Space port launch	Soyuz launch	NASA's Marshall Space Flight Center	Creative Commons Attribution-NonCommercial 2.0 Generic (CC BY-NC 2.0)	<a href="https://www.flickr.com/photos/nasamarshall/34197041775">https://www.flickr.com/photos/nasamarshall/34197041775</a>
7	Space port dock	White dome interior	gdtography	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/long-exposure-photography-white-dome-building-interior-911758/">https://www.pexels.com/photo/long-exposure-photography-white-dome-building-interior-911758/</a>
8	Exterior Bat forest	Mangrove patch	B Balaji	Public Domain	<a href="https://www.flickr.com/photos/bbalaji/2387221908">https://www.flickr.com/photos/bbalaji/2387221908</a>
		Mangrove patch	B Balaji	Public Domain	<a href="https://www.flickr.com/photos/bbalaji/2387221908">https://www.flickr.com/photos/bbalaji/2387221908</a>
		Mangroves, Costa Rica	Personal photo	Personal photo	
		Galapagos islands	Anne and David	Public Domain	<a href="https://www.flickr.com/photos/annedavid2012/47102851422/in/album-72157707084914424/">https://www.flickr.com/photos/annedavid2012/47102851422/in/album-72157707084914424/</a>
9	Eputu Town	Boats on sandy surface	Mateausz Marek	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/view-of-skyscrapers-against-cloudy-sky-312214/">https://www.pexels.com/photo/view-of-skyscrapers-against-cloudy-sky-312214/</a>
		Can Tho homes	Personal photo	Personal photo	No URL
10	Eputu Town boardwalk	Can Tho boardwalk	Personal photo	Personal photo	No URL
11	Soy vat scientist background	Batac street, Philippines	Bernard Spragg	Public Domain	<a href="https://www.flickr.com/photos/volvob12b/16830189588">https://www.flickr.com/photos/volvob12b/16830189588</a>
12	New Lekki views	Bank of China, Hong Kong	Bernard Spragg	Public domain	<a href="https://flickr.com/photos/88123769@N02/15631655393">https://flickr.com/photos/88123769@N02/15631655393</a>
13	New Lekki looking up	Frankfurt am Main, Germany	Philipp Birnes	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/low-angle-photo-of-four-high-rise-curtain-wall-buildings-under-white-clouds-and-blue-sky-830891/">https://www.pexels.com/photo/low-angle-photo-of-four-high-rise-curtain-wall-buildings-under-white-clouds-and-blue-sky-830891/</a>
14	Coast guard background	Hong Kong	Bernard Spragg	Public domain	<a href="https://www.flickr.com/photos/volvob12b/29430956511">https://www.flickr.com/photos/volvob12b/29430956511</a>
15	Port of New Lekki cargo	Indonesia port	Tom Fisk	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/aerial-photography-of-container-van-lot-3063470/">https://www.pexels.com/photo/aerial-photography-of-container-van-lot-3063470/</a>
16	Port of New Lekki	Port of Melbourne	Bernard Spragg	Public domain	<a href="https://www.flickr.com/photos/volvob12b/24103687861">https://www.flickr.com/photos/volvob12b/24103687861</a>
17	Tourist background	Princess Cruises Star Princess	Port of San Diego	Creative Commons Attribution 2.0 Generic (CC BY 2.0)	<a href="https://www.flickr.com/photos/8123170@N06/8057439759">https://www.flickr.com/photos/8123170@N06/8057439759</a>
18	Sunken ship	Ship on its side Greece	George Desipris	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/white-and-black-sunken-ship-2056194/">https://www.pexels.com/photo/white-and-black-sunken-ship-2056194/</a>
19	Ekoatlantic ruins	Abandoned hotel resort, Hawaii	Jeff	Creative Commons Attribution 2.0 Generic (CC BY 2.0)	<a href="https://www.flickr.com/photos/peptic_ulcer/7184132722">https://www.flickr.com/photos/peptic_ulcer/7184132722</a>
20	Ekoatlantic hackers	Advance contingent of ANISOM troops	AMISOM Public Information	Public domain	<a href="https://flickr.com/photos/61765479@N08/7213739614">https://flickr.com/photos/61765479@N08/7213739614</a>
21	Atlantic Point	Honor Bound Guard Tower	National Guard	U.S. Government Works	<a href="https://www.flickr.com/photos/thenationalguard/5343896666">https://www.flickr.com/photos/thenationalguard/5343896666</a>
22	Drone Tech background	US Navy landing craft unit	US Dept. of Defense	Public Domain	<a href="https://www.flickr.com/photos/39955793@N07/45008828844">https://www.flickr.com/photos/39955793@N07/45008828844</a>
23	Port of Lagos	Jakarta, Indonesia	Tom Fisk	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/pile-of-metal-trash-utilizing-in-junkyard-6196281/">https://www.pexels.com/photo/pile-of-metal-trash-utilizing-in-junkyard-6196281/</a>
		Beirut, Lebanon	Jo Kassis	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/city-water-storm-industry-6462775/">https://www.pexels.com/photo/city-water-storm-industry-6462775/</a>
24	Snake Islands crocodile face	Close up of a reptile	Pixabay	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/green-eyed-reptile-39068/">https://www.pexels.com/photo/green-eyed-reptile-39068/</a>
25	Snake Island research station	Photo of Abandoned Building With Graffiti	Alex Montes	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/photo-of-abandoned-building-with-graffiti-1805268/">https://www.pexels.com/photo/photo-of-abandoned-building-with-graffiti-1805268/</a>
		Abandoned house in forest during autumn day	Aleksey Kuprikov	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/abandoned-house-in-forest-during-autumn-day-3551232/">https://www.pexels.com/photo/abandoned-house-in-forest-during-autumn-day-3551232/</a>

		Calm river flowing among autumn trees in park	Ryutaro Tsukata	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/calm-river-flowing-among-autumn-trees-in-park-6249494/">https://www.pexels.com/photo/calm-river-flowing-among-autumn-trees-in-park-6249494/</a>
26	New Festac dock	Old House on pier	Maria Orlova	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/old-house-on-pier-in-ocean-at-sunset-4969993/">https://www.pexels.com/photo/old-house-on-pier-in-ocean-at-sunset-4969993/</a>
27	Gene Editor background	No swimming dock	Matthew Barra	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/boat-beside-dock-near-gray-post-813073/">https://www.pexels.com/photo/boat-beside-dock-near-gray-post-813073/</a>
28	Old Lagos	Trees and moss	Dominika Roseclay	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/trees-covered-with-green-moss-near-river-6399516/">https://www.pexels.com/photo/trees-covered-with-green-moss-near-river-6399516/</a>
		Reykjavik lighthouse	Luc Coekaerts	Public Domain	<a href="https://www.flickr.com/photos/luc_coekaerts/28070247878/">https://www.flickr.com/photos/luc_coekaerts/28070247878/</a>
		Abandoned building, Japan	JordyMeow	Pixabay license (free use, no attribution req'd)	<a href="https://pixabay.com/photos/japan-island-nagasaki-kyushu-725795/">https://pixabay.com/photos/japan-island-nagasaki-kyushu-725795/</a>
		Destroyed concrete building	Zenjoe	Pixabay license (free use, no attribution req'd)	<a href="https://pixabay.com/photos/house-trash-ruin-concrete-3466731/">https://pixabay.com/photos/house-trash-ruin-concrete-3466731/</a>
29	Drone Sentry	USS Mount Whitney	Commander US Naval Forces	Public domain	<a href="https://www.flickr.com/photos/94966166@N02/26820929978">https://www.flickr.com/photos/94966166@N02/26820929978</a>
		Trees and moss	Dominika Roseclay	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/trees-covered-with-green-moss-near-river-6399516/">https://www.pexels.com/photo/trees-covered-with-green-moss-near-river-6399516/</a>
		USS Donald Cook	Commander US Naval Forces	Public domain	<a href="https://www.flickr.com/photos/cne-cna-c6f/50596312016/in/album-72157640431436334/">https://www.flickr.com/photos/cne-cna-c6f/50596312016/in/album-72157640431436334/</a>
		Reykjavik radar	Luc Coekaerts	Public domain	<a href="https://www.flickr.com/photos/luc_coekaerts/28070249228/in/photolist-2fEzXoG-MFRQIV-a1SYXq-nc5NiX-45VkhE-JLtn9h-Ag6rGL-bWkUz1-8bVq3X-45R6eB-gkL1IM-k3Qy43-piDzRe-29gzCk4-k3NNS4-gkKvbf-gkKJM3-gkL1WF-gkKjys-gkKujF-MRpLP-gkL2ep-5X25qN-6FohZY-gkL1Ce-gkKHmd-daWTE9-gkL2dn-edqAcg-gkKufc-gkL1ZB-6rmcJ-gkL1Gn-gkL2IT-gkKkdu-gkKuW2-7eL8N2-gkL1Mx-gkKkw9-gkKkri-gkL1xe-gkL1j8-gkKHuQ-gkKv84-gkL19D-gkKv2x-gkKv4M-gkKudZ-9deZSG-o8pi6c">https://www.flickr.com/photos/luc_coekaerts/28070249228/in/photolist-2fEzXoG-MFRQIV-a1SYXq-nc5NiX-45VkhE-JLtn9h-Ag6rGL-bWkUz1-8bVq3X-45R6eB-gkL1IM-k3Qy43-piDzRe-29gzCk4-k3NNS4-gkKvbf-gkKJM3-gkL1WF-gkKjys-gkKujF-MRpLP-gkL2ep-5X25qN-6FohZY-gkL1Ce-gkKHmd-daWTE9-gkL2dn-edqAcg-gkKufc-gkL1ZB-6rmcJ-gkL1Gn-gkL2IT-gkKkdu-gkKuW2-7eL8N2-gkL1Mx-gkKkw9-gkKkri-gkL1xe-gkL1j8-gkKHuQ-gkKv84-gkL19D-gkKv2x-gkKv4M-gkKudZ-9deZSG-o8pi6c</a>
		Reykjavik lighthouse	Luc Coekaerts	Public domain	<a href="https://www.flickr.com/photos/luc_coekaerts/28070247878/">https://www.flickr.com/photos/luc_coekaerts/28070247878/</a>
		Cleveland Trust Building under construction 1907	Tim Evanson	Public domain	<a href="https://www.flickr.com/photos/timeevanson/48672912952/in/photolist-2k5VRJL-P3FMBB-nTG5ry-2iqr4P-eYhAmr-eYhPx-eYhAtV-NVB4j2-hbECJG-GJWJeN-AQgrwU-KVHfep-6HeVBS-3ejQkR-FNd5gi-2ha4phm-3epeJ3-s8zs34-kzb5kP-3ejQxc-5e89Cr-3ep3LL-NKC19-3ejCqM-a1W1yE-P35UqN-2kn9bda-JHPo6T-eSaeWM-T1qt4j-dQCydQ-JyKDKN-JEKDq7-HMv2TS-HMxNDK-dQvSDt-eWcFXL-egFTCR-JyKvNq-JHPm5P-etZU3e-eu1ITg-ie8SiR-3ejBkk-JyKAHL-HMy1CW-sYozv7-HMxZAA-ie8gzV-eGcb3T">https://www.flickr.com/photos/timeevanson/48672912952/in/photolist-2k5VRJL-P3FMBB-nTG5ry-2iqr4P-eYhAmr-eYhPx-eYhAtV-NVB4j2-hbECJG-GJWJeN-AQgrwU-KVHfep-6HeVBS-3ejQkR-FNd5gi-2ha4phm-3epeJ3-s8zs34-kzb5kP-3ejQxc-5e89Cr-3ep3LL-NKC19-3ejCqM-a1W1yE-P35UqN-2kn9bda-JHPo6T-eSaeWM-T1qt4j-dQCydQ-JyKDKN-JEKDq7-HMv2TS-HMxNDK-dQvSDt-eWcFXL-egFTCR-JyKvNq-JHPm5P-etZU3e-eu1ITg-ie8SiR-3ejBkk-JyKAHL-HMy1CW-sYozv7-HMxZAA-ie8gzV-eGcb3T</a>
30	Old Lagos vault closed	Bank vault closed	Pablo vanden bosch	Pixabay license (free use, no attribution req'd)	<a href="https://pixabay.com/photos/vault-copper-bank-2069293/">https://pixabay.com/photos/vault-copper-bank-2069293/</a>
31	Sunset bay with boat	Hong Kong boat			
32	Bat's Mouth neon towers	Low angle high rise in Hong Kong	Irina Iriser	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/low-angle-photo-of-highrise-building-1083807/">https://www.pexels.com/photo/low-angle-photo-of-highrise-building-1083807/</a>
33	Bats's Mouth thugs	Woman and Man in Black Leather Jackets	cottonbro	Pexels license (free to use for any purpose)	<a href="https://www.pexels.com/photo/man-in-black-leather-jacket-standing-beside-woman-in-black-leather-jacket-4904538/">https://www.pexels.com/photo/man-in-black-leather-jacket-standing-beside-woman-in-black-leather-jacket-4904538/</a>
34	Interior Bat Forest	Mangrove patch	B Balaji	Public Domain	<a href="https://www.flickr.com/photos/bbalaji/2387221908">https://www.flickr.com/photos/bbalaji/2387221908</a>
		Mangroves, Costa Rica	Personal photo	Personal photo	No URL
		Mangrove sunset	Personal photo	Personal photo	No URL
		Forest scene	Adobe	Royalty free	No link available
35	N'etiti shrine exterior	Old Growth Temple	James Wheeler	Creative Commons Attribution-NonCommercial-ShareAlike 2.0 Generic (CC BY-NC-SA 2.0)	<a href="https://www.flickr.com/photos/james_wheeler/6068292168/in/photostream/">https://www.flickr.com/photos/james_wheeler/6068292168/in/photostream/</a>
					<a href="https://www.flickr.com/photos/136594255@N06/25365338812/in/photolist-EDrZvN-4juWZ-3YjAE-pMKUAP-pMMYkC-p8kx-A5-pMKZT2-pMJCWF-g5g4Ys-pMKMSue-p8ogyD-cvMGnd-bn1xuP-RZVLv8-7J5mRy-6AsPCR-6AsPER-31WVH-ou7qVp-oySM3Y-ox514H-oRBA4u-oLGuoG-oLh9gr-p8PVoz-67QP9K-oNttpu-oLg1p7-p3vHEv-p9nNyd-pafAxh-3YjAy-oPycqt-oLhPY2-oV7Hr3-oKkAH4-p7IRy3-4VGXqA-oT8XNn-oLFdy-p2LIdm-oPkCKo-oRAFHj-ozGbjJ-oTVxRW-pcfHSG-p9G5Pi-oMF9F5-oSsim4-oYK14S">https://www.flickr.com/photos/136594255@N06/25365338812/in/photolist-EDrZvN-4juWZ-3YjAE-pMKUAP-pMMYkC-p8kx-A5-pMKZT2-pMJCWF-g5g4Ys-pMKMSue-p8ogyD-cvMGnd-bn1xuP-RZVLv8-7J5mRy-6AsPCR-6AsPER-31WVH-ou7qVp-oySM3Y-ox514H-oRBA4u-oLGuoG-oLh9gr-p8PVoz-67QP9K-oNttpu-oLg1p7-p3vHEv-p9nNyd-pafAxh-3YjAy-oPycqt-oLhPY2-oV7Hr3-oKkAH4-p7IRy3-4VGXqA-oT8XNn-oLFdy-p2LIdm-oPkCKo-oRAFHj-ozGbjJ-oTVxRW-pcfHSG-p9G5Pi-oMF9F5-oSsim4-oYK14S</a>
36	Crocodile jumping	Crocodile jumping	Lisa Ann Yount	Public domain	
37	Shrine interior	Alcoves	Daniel Nebreda	Pixabay license (free use, no attribution req'd)	<a href="https://pixabay.com/photos/perspective-monument-architecture-4309467/">https://pixabay.com/photos/perspective-monument-architecture-4309467/</a>
		Mangrove patch	B Balaji	Public Domain	<a href="https://www.flickr.com/photos/bbalaji/2387221908">https://www.flickr.com/photos/bbalaji/2387221908</a>
38	Old Lagos vault open	Bank vault open	ahobbit	Pixabay license (free use, no attribution req'd)	<a href="https://pixabay.com/photos/vault-business-bank-vault-bank-1144249/">https://pixabay.com/photos/vault-business-bank-vault-bank-1144249/</a>