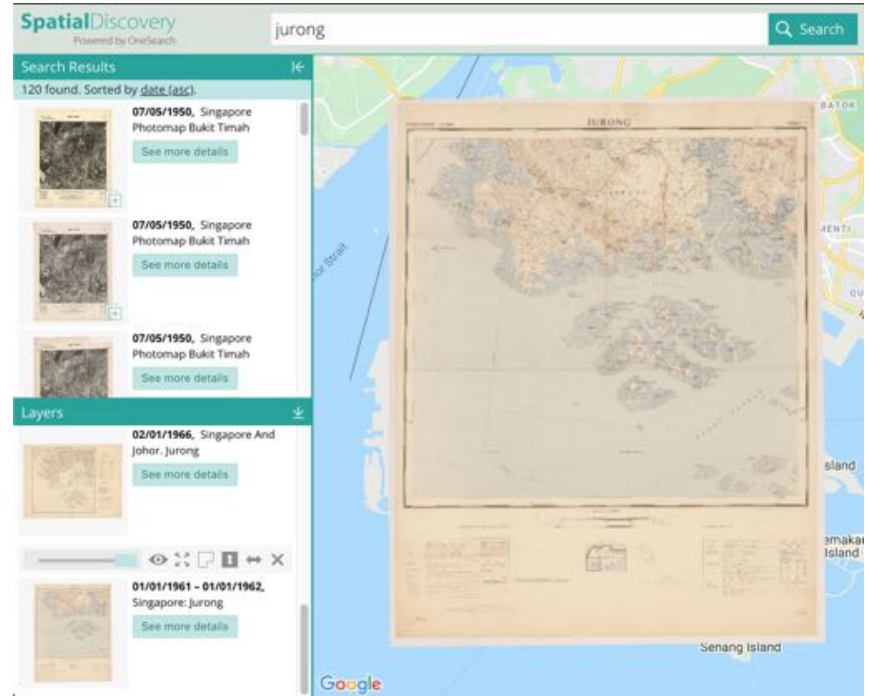


Echoes of Jurong

Making the connection between space and past

Seed idea

- First visit to National Archives
- Lots of audio/visual archival materials
- Old maps of Singapore
- 'See' how parts of Jurong transform over time
- Draw inspiration from museum audio walks
- Capture transformation of Jurong through audio



Development

- Looking through maps, past to present
- Combing through audio/visual recordings
- Writings on Singapore history
- Correlating sound to physical places on map
- Field trip and filming onsite
- Researching and recording audio narration
- Coding

The screenshot displays the National Archives of Singapore website. At the top, there is a navigation bar with links: ABOUT AUDIOVISUAL RECORDS, FAQs, ORDERING, CONTACT US, BOOKMARKS, and CART (0). Below the navigation bar, a video player shows a short clip titled 'Short Clip 1' with a timestamp of 00:00:04:35. The video player includes a progress bar and a 'Share' button. Below the video player, there is a section for 'Additional Contents' with a link to 'Archivist Pick' and a 'Suggested Contents' section. The main content area displays a search result for a sound recording titled '私生子 (第十八、十九、二十集) Si Sheng Zi'. The recording details include: Recorded Duration: 01:53:11, Recorded Language: Hokkien, Accession No: 2011004268, Sound Type, and Access permitted: Conditions Governing Access. Below the details, there is a section for 'Use and reproduction require written permission from copyright owner(s)' and 'Conditions Governing Reproduction'. A synopsis is provided: '私生子 主演：廖凡，海岩，洪立峰，洪英'. Below the synopsis, there is a link to 'Do you have more information on this record?'. At the bottom, there is a section for 'Explore the archives' with a grid of image thumbnails representing different types of records: Audiovisual and Sound Recordings, Documents, Maps and Planning Plans, Oral History Interviews, Photographs, Photos, Speeches and Video Material, and Special Collections. The footer of the website contains the text: 'National Archives of Singapore An institution of the National Library Board', 'Contact Us Feedback FAQ', 'Report Vulnerability Terms of Use Linking Disclaimer Privacy Statement Take-down Policy', and '©2020 Government of Singapore Last Updated 6 Apr 2014'.

Tour mode

inspired by [Janet Cardiff's Alter Bahnhof Video Walk](#)



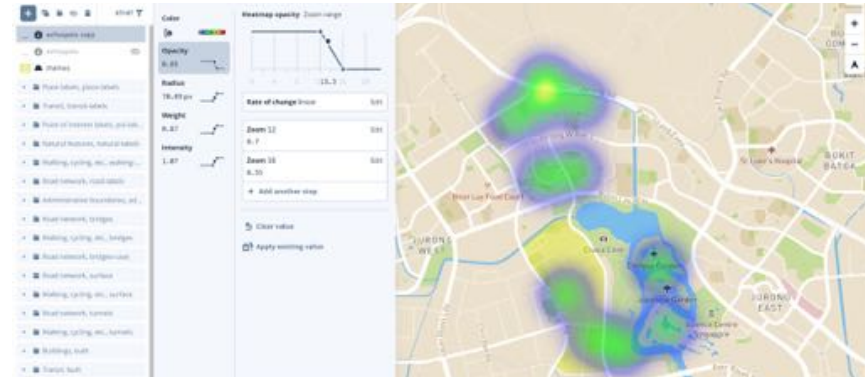
- Utilises a park connector stretch
- Path is pretty straight; easy walking
- Non-issue to: hold up phone + look at it + walk
- Audio is premixed with many layers; not dynamic

Issues & Pivots

- Lots of material, but not suitable for storytelling
- Initial idea of immersive soundscape with many layers of sound
- Upon testing reduce to just ambience and one audio narration at a time
- No onsite demo due to ongoing situation
- Add '*Simulation mode*' to allow for offsite, online experience



Audio mixing: vintage-fy recordings



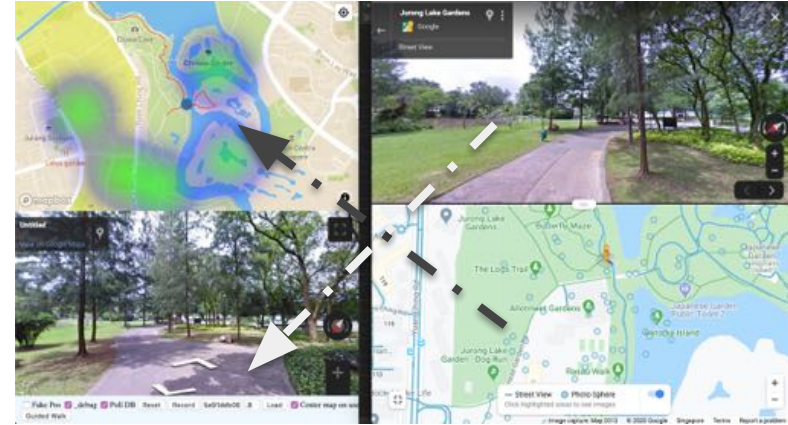
Mapping out audio physically on map

Building interfaces for offsite, online experience

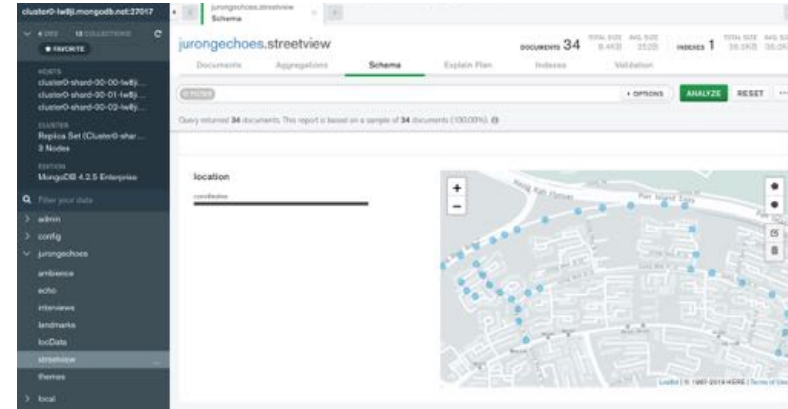
- Create virtual trails of walking through *hotspots*
- Integrate *street view* for 360° views of surrounding area
- *Fly mode* for teleporting anywhere on map
- Live mode for use in physical world

My App

Google Street View



Correlating Google Street view to trail in Mapbox



Inserting street view data manually

Try it at home on your browser,
with phone or pc

Tune in with earphones too !

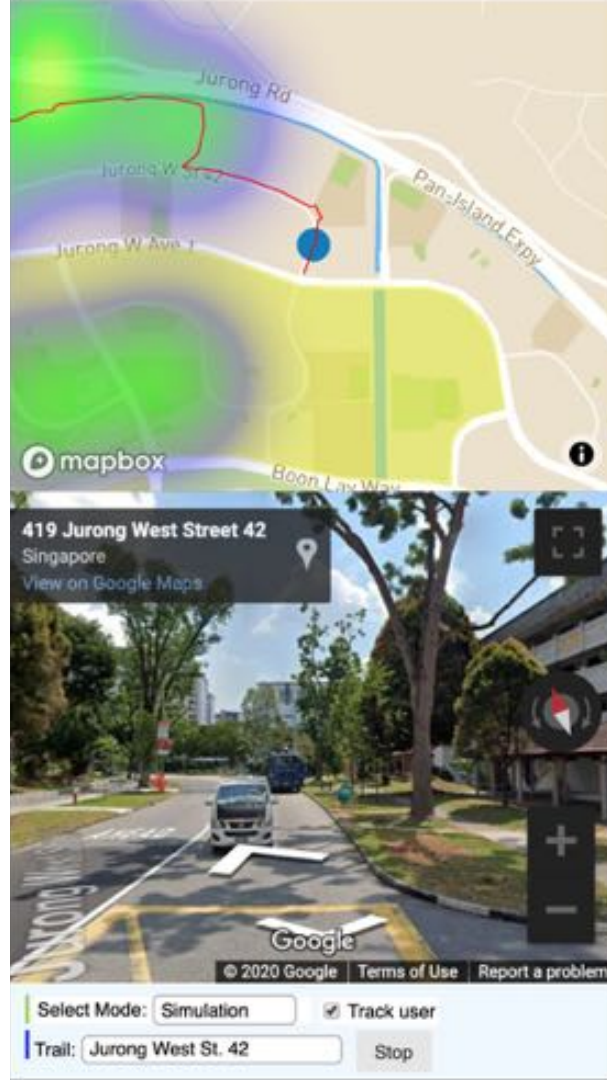
Demos

Simulation mode

Fly mode + **Tour**

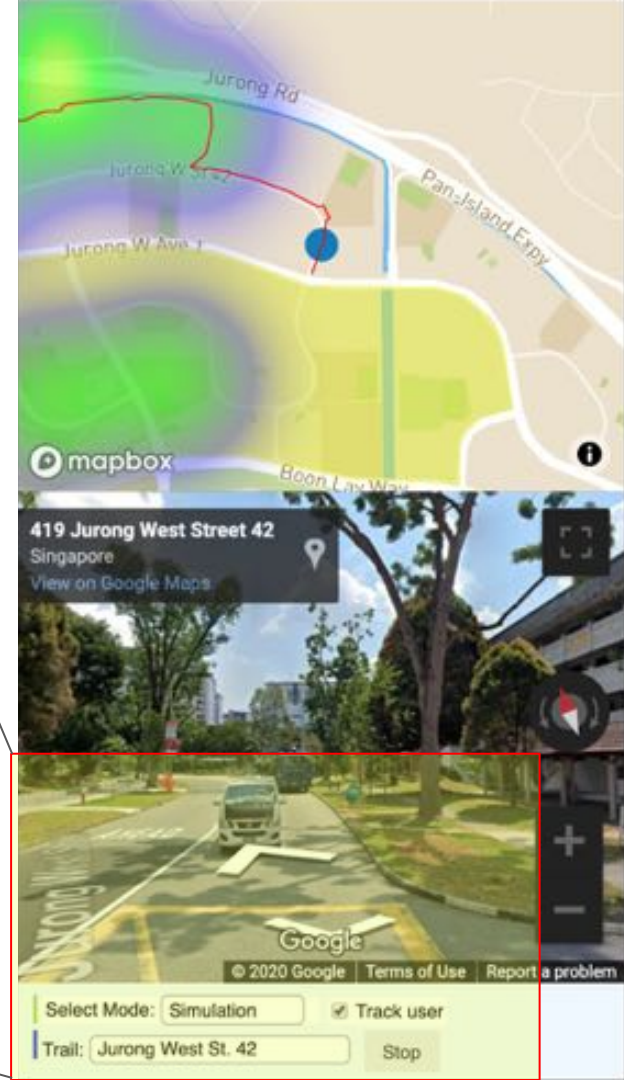
Head over to

<https://bit.ly/echoesjurong>



Simulation mode

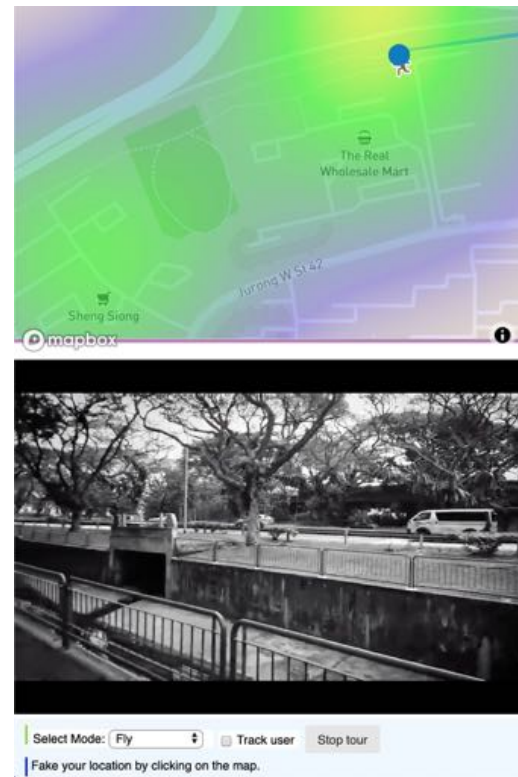
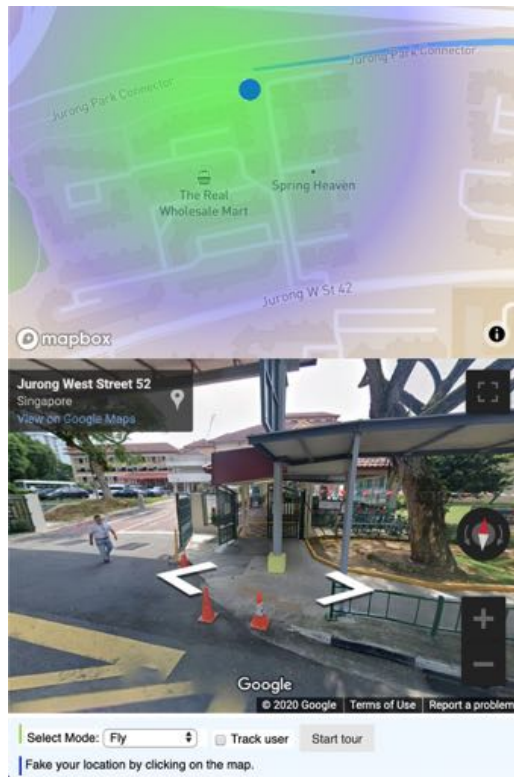
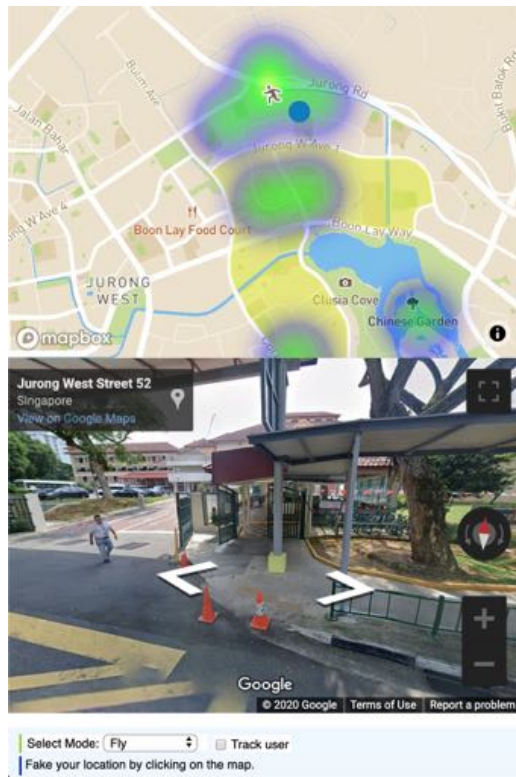
<https://bit.ly/echoesjurong>



- Choose *simulation* mode
- Select a trail, sit back and enjoy
- You can switch modes anytime or press stop

Fly mode + Tour

<https://bit.ly/echoesjurong>



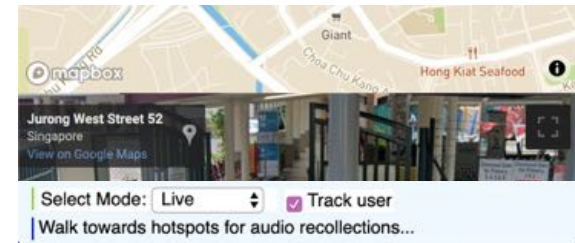
- Switch to fly mode
- Locate spot with running man icon
(on initial load, zoom out & see above)

- Zoom in & click accurately on icon
- A **'Start Tour'** button will appear

- A video will appear & play below
- Your 'location' will update on the map

Reflections & Takeaways

- Physical space is three-dimensional
 - + Time = Four-dimensional
 - + Sound = Five-dimensional
- As/more effective as flipping through images and prose in a history book
 - Location provides setting
 - Audio provides context and content
 - Walking provides sense of exploration
 - + moving through space-time
- Create richer content by combining two discrete mediums (old maps and audio) to create new interface/intermediary



References and thanks

National Archives Audio Recordings

- https://www.nas.gov.sg/archivesonline/audiovisual_records/record-details/6d1c61fd-1164-11e3-83d5...
- https://www.nas.gov.sg/archivesonline/audiovisual_records/record-details/6d1c76e0-1164-11e3-83d5...
- https://www.nas.gov.sg/archivesonline/audiovisual_records/record-details/5c44b03f-1164-11e3-83d5...

Jurong Heritage Trail Booklet by National Heritage Board

Various sound effects from <https://www.soundsnap.com/>