

Temporary Expert – References

Experts

- Clara Qin (Ph.D Candidate at UC Santa Cruz, ex-research analyst at EDF, worked on developing Air Quality Data Commons)
- Kan Ito (Environmental engineer/data analyst)
- Ann Chookaszian (McDonald's corporate, MBA, economics/businessperson)
- JP Chookaszian (Facebook, MBA, economics/businessperson)

Environmental

- Plants as air purifiers
 - Screening Indoor Plants for Volatile Organic Pollutant Removal Efficiency: <http://hortsci.ashspublications.org/content/44/5/1377.abstract>
 - Effectiveness of Houseplants in Reducing the Indoor Air Pollutant Ozone: <http://horttech.ashspublications.org/content/19/2/286.full>
- How to value air purification
 - Evaluating the Health Benefits of Air Pollution Reductions (EPA Brief): https://www.epa.gov/sites/production/files/2014-10/documents/benmap_briefing_international.pdf
 - Assessing the Health Benefits of Reducing Particulate Matter Air Pollution in the United States: <https://www.sciencedirect.com/science/article/pii/S0013935197937993>
 - The Economic Value of Air-Pollution-Related Health Risks in China: A Contingent Valuation Study: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=707182
- Environmental personhood
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 - <https://www.theguardian.com/world/2017/mar/21/ganges-and-yamuna-rivers-granted-same-legal-rights-as-human-beings>
- Air Quality
 - <https://www.nytimes.com/2015/04/16/business/experimenting-at-home-with-air-quality-monitors.html>
- Commercial products
 - <https://www.kickstarter.com/projects/breth/brethtm-the-next-generation-air-purifier>
- Natural capital / ecosystem services
 - https://en.wikipedia.org/wiki/Ecosystem_services
 - <https://naturalcapitalproject.stanford.edu>
 - Report by Tony Jupiter: <https://webarchive.nationalarchives.gov.uk/20130703042123/http://www.defra.gov.uk/ecosystem-markets/files/EMTF-VNN-STUDY-FINAL-REPORT-REV1-14.06.12.pdf>

- Preservation
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Architectural

- NYC
 - Grand Central Terminal Air-Rights Controversy: https://www.mitpressjournals.org/doi/pdf/10.1162/ARTM_a_00198
 - Selling the Sky: “Air Rights” Take Strange Bites Out of Big Apple Architecture <https://99percentinvisible.org/article/selling-sky-air-rights-take-strange-bites-big-apple-architecture/>
- From Heaven to Hell: Exploring the Odd Vertical Limits of Land Ownership: <https://99percentinvisible.org/article/heaven-hell-exploring-odd-vertical-limits-land-ownership/>
- Higher and Higher: <https://99percentinvisible.org/episode/higher-and-higher/>

Economic

- Blockchain
 - Now, blockchain can turn carbon credits into tokens for trading: <https://www.computerworld.com/article/3277207/blockchain/now-blockchain-can-turn-carbon-credits-into-tokens-for-trading.html>
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 - When Crypto Meets Conceptual Art, Things Get Weird: <https://www.nytimes.com/2018/06/05/arts/design/cryptocurrency-blockchain-art-kevin-abosch.html>
 - R.A.R.E. Art (digital art editions based on blockchain): <https://www.rareart.io/>
 - Stellar (blockchain money transactions): <https://www.stellar.org>
- Buying/selling carbon credits
 - If your carbon footprint makes you feel guilty, there’s an easy way out: <https://qz.com/974463/buying-carbon-credits-is-the-easiest-way-to-offset-your-carbon-footprint/>
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 - This “carbon removal marketplace” will make buying offsets easier: <https://www.fastcompany.com/40571935/this-carbon-removal-marketplace-will-make-buying-offsets-easier>

Art References

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- Caleb Larson: <http://caleblarsen.com/category/projects/>

- Trevor Yeung: <http://trevoryeung.net/index.php?/past/trevor-yeungs-encyclopedia/>

Technical Problem Solving

- Air sensors
 - <https://www.adafruit.com/product/3566>
- Connect a multiple I2C devices to one arduino
 - This one is the best to determine how many I2C connections I can have based on the total pull up resistance: <https://www.bluedot.space/tutorials/how-many-devices-can-you-connect-on-i2c-bus/>
 - This is the library I needed to use with the LCD screens I have: <https://github.com/fdebrabander/Arduino-LiquidCrystal-I2C-library>
 - This thread is the most helpful to figure out multiple I2C connections: <https://arduino.stackexchange.com/questions/12181/how-do-i-use-two-i2c-lcds-with-4-pins>
 - How to check the I2C address on the devices you have: <http://playground.arduino.cc/Main/I2cScanner>
 - <http://www.techbitar.com/how-to-network-many-arduinios-with-sensors-using-i2c.html>
 - https://codebender.cc/example/LiquidCrystal_I2C/MultipleLcd#MultipleLcd.ino
 - <https://www.bluedot.space/tutorials/connect-two-bme280-on-i2c-bus/>
 - <https://howtomechatronics.com/tutorials/arduino/how-i2c-communication-works-and-how-to-use-it-with-arduino/>
 - <https://tronixlabs.com.au/news/tutorial-serial-i2c-backpack-for-hd44780compatible-lcd-modules-with-arduino/>
- Possibilities on wireless connections (DON'T NEED ANYMORE)
 - <https://www.hackster.io/mtashiro/temp-sensor-connected-to-esp8266-and-upload-data-using-mqtt-5e05c9>

Real Estate

- Real Estate Law
 - Contemporary Real Estate Law by C. Kerry Fields and Kevin C. Fields, page 24: <https://books.google.com/books?id=KvdJDwAAQBAJ&lpg=PA25&dq=%22air%20rights%22%20law&pg=PA26#v=onepage&q=%22air%20rights%22%20law&f=false>
 - Real Estate Law by Marianne Jennings, page 42: <https://books.google.com/books?id=GTKpQz95KM8C&lpg=PA43&dq=%22air%20rights%22&pg=PA42#v=onepage&q=%22air%20rights%22&f=false>
 - Unlocking the Right to Build: Designing a More Flexible System for Transferring Development Rights: <http://furmancenter.org/research/publication/unlocking-the-right-to-build-designing-a-more-flexible-system-for-transferr>
- Open lots: <https://livinglotsnyc.org/>