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Introductions

- Open a miro board, locate the "Introduction" area
- Copy/paste a sticky note, and introduce yourself following the prompts in place
- AV check
 - mic check, video check, check that participants can unmute mic and video

Introductions on the miro board.

Copy/paste a sticky note, drag it here, and write down:

- Your name and pronouns
- Your organization
- Where you are joining from
- Social media (optional)
- 1 thing you would like to get out of this session

- Anny (she/her)
- Mozilla Corporation
- Vancouver, Canada
- @annygakh on twitter



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Agenda

- Introduction
 - visible mending and e-waste
- 5 min break out rooms + share
- Introduction continued
 - why is e-waste bad, what is right to repair and more
- 20 min break out room + share
- 15 min break out room
- Conclusion



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Goals

- Raise awareness about harmful impacts of electronic waste
- Survey of ways to extend lifetime of electronic devices
- Brainstorm ideas for combatting e-waste



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Visible mending

- What is visible mending?
 - "patch up a hole/rip, but make it art!"
- What is the origin of visible mending?
 - Sashiko (刺し子, little stabs), a type of Japanese embroidery
 - Japan, Edo period (1603 - 1868)



A patched up hole in jeans, with decorative stitching on top. Photo by Jessica Marquez, Accessed March 7 2021.

<https://www.vox.com/the-goods/2019/3/25/18274743/visible-mending-sashiko-mending-fast-fashion-movement>

On the left, embroidery on jeans. Accessed March 7, 2021.
<https://khgarts.com/portfolio/visible-mending/>



Fast fashion

- Visible mending vs. fast fashion
 - visible mending is an antidote to fast fashion, a protest against consumerism
- Environmental impact of fast fashion
 - (source)
 - "While people bought 60% more garments in 2014 than in 2000, they only kept the clothes for half as long."
 - "**Up to 85%** of all textiles go to the dump each year."

a profitable business model of replicating high-fashion designs and mass producing low quality clothes



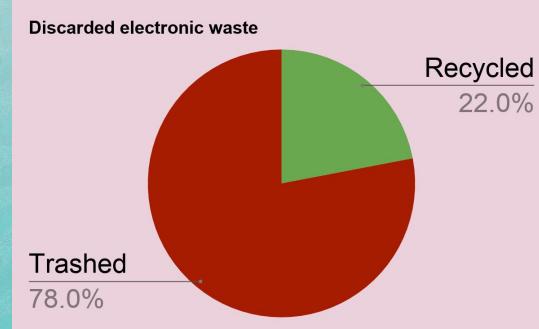
Landfill full of clothes. Mohammed Anwarul Kabir Choudhury/Alamy.
Accessed March 9, 2021.

<https://www.theguardian.com/fashion/2020/apr/07/fast-fashion-speeding-toward-environmental-disaster-report-warns>



E-waste

- What is e-waste?
 - discarded electrical or electronic devices
- Why is e-waste bad? ([stats source](#))



- Some reasons for e-waste
 - hard to find someone who will fix a specific electronic device
 - not enough recycling facilities



A worker stands in a warehouse full of electronic waste. TVs, PCs and motherboards are visible in the foreground, Accessed March 9 2021.
<https://www.tehrantimes.com/news/427749/Each-Iranian-generates-8kg-of-e-waste-annually>

On the left, a screenshot depicting the percentage of electronic waste that is recycled and trashed.
<https://www.ifixit.com/Right-to-Repair/E-waste>

more than 44.5 million metric tonnes of e-waste is produced each year, since 2014 ([source: Global E-Waste Monitor](#))



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5 min break out rooms

- Have you had an experience where a small part of your favourite electronic device broke and you wished you could fix it, but decided to buy a new one instead?
- Have you tried to fix a device but weren't able to because you couldn't find enough information online? Or because a repair shop said that they can't fix it?



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Reducing e-waste

- Links between visible mending and reducing e-waste: making things last longer and repairing them



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Reducing e-waste

- A survey of ways people make electronic devices last longer to reduce e-waste:
 - individual
 - e.g. learning how to repair electronics
 - community level
 - e.g. establishing repair cafes
 - legislative level
 - campaigning for Right to Repair



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Right to Repair

- Allow consumers to repair and modify devices
- Require manufacturers to provide manuals, tools and spare parts



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Right to Repair Reactions

- What do manufacturers think about this?
 - trying to shut down repair stores ([source](#))
 - planned obsolescence
 - lobbying against these bills ([source](#))



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Right to Repair

- Status update:
 - US - 34 states have introduced the Right to Repair bill ([source](#)) , ([source](#))
 - EU - Circular Economy Action Plan. ([source](#))
 - France - Fighting planned obsolescence with labels ([source](#))



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Break out room

- https://miro.com/app/board/o9J_lRx5gwU=/
- Brainstorming (will share the results of brainstorming publicly)
 - individual
 - community level
 - legislative level
- 20 minutes, and then we will go over the ideas



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Raising awareness

- Using art to explore and comment on these issues:
 - disposable nature of certain electronic devices
 - planned obsolescence
 - inefficient recycling of electronic devices
 - manufacturers' resistance to allow repair and to disclosure of manuals
 - etc
- Poster? A museum exhibition? A virtual online performance? A project using speculative design methods?
- Break out rooms



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Conclusion

- Next steps for you
 - look over our brainstorming, try to pursue at least one idea
 - look up local Right to Repair movements



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Contact

- Anny G
 - @annygakh on twitter
 - [@annygakh](#) on github, resources will be under "**"curtailing e-waste"** repository
 - presentation
 - miro brainstorming
 - other resources
- Thank you!