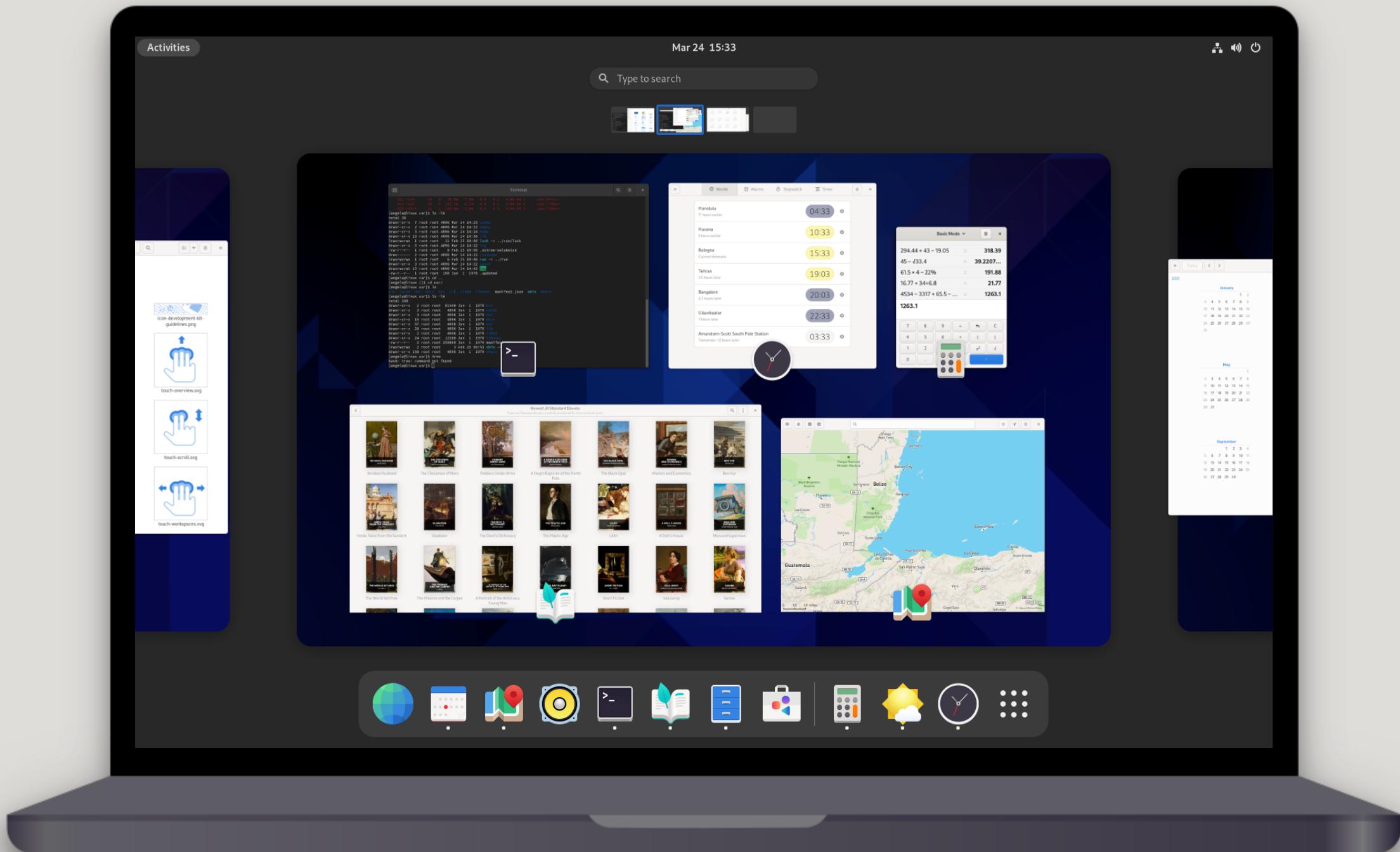




# Why you should get a worse computer

Tobias Bernard





GNOME gnome-shell

gnome-shell

Project information Repository Issues Merge requests CI/CD Deployments Packages and registries Monitor Analytics Wiki Snippets

GNOME > gnome-shell

GNOME > gnome-shell

gnome-shell

Project ID: 546

17,255 Commits 202 Branches 296 Tags 33.7 GB Project Storage 44 Releases

pipeline passed coverity passed

main gnome-shell

Find file Download Clone

README GNU GPLv2 CHANGELOG CI/CD configuration

Name	Last commit	Last update
[redacted]	[redacted]	[redacted]

« Collapse sidebar

< > C + https://gitlab.gnome.org/Teams/Design/os-mockups/-/issues/178 ⭐

GNOME Search GitLab / Sign in / Register

os-mockups

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Teams > Design > os-mockups > Issues > #178

Open Issue created 3 months ago by Allan Day Owner

## Quick settings follow-ups

Quick settings are likely to land for GNOME 43. This is a running list of things that didn't make the cut, which we might want to return to for a future release:

- Bluetooth sub-menu [1]
- Night light: toggle button should always do something - [GNOME/gnome-control-center#1525](#)
- Power time estimates [2]
- Potential additional toggles:
  - Mobile data
  - Flashlight
  - High contrast
  - Magnifier
  - Screenshot
  - Screen Record
  - Do not disturb
  - Calculator
- A way to configure which toggles are shown?
- Improve the sub-menu transition: have the toggle expand to become the sub-menu, rather than the sub-menu appearing below

[1]

0 Assignees

Labels None

Milestone None

Due date None

Time tracking

Confidentiality

Lock issue Unlocked

0 participants

Reference:

« Collapse sidebar Loading "gitlab.gnome.org"...

<https://gitlab.gnome.org/Teams/Design/os-mockups/-/issues>

 GNOME ≡  / ? Sign in / Register

 **os-mockups**

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Teams >  Design >  os-mockups > Issues

[Open](#) [Closed](#) [All](#)   [New issue](#)

 Created date 

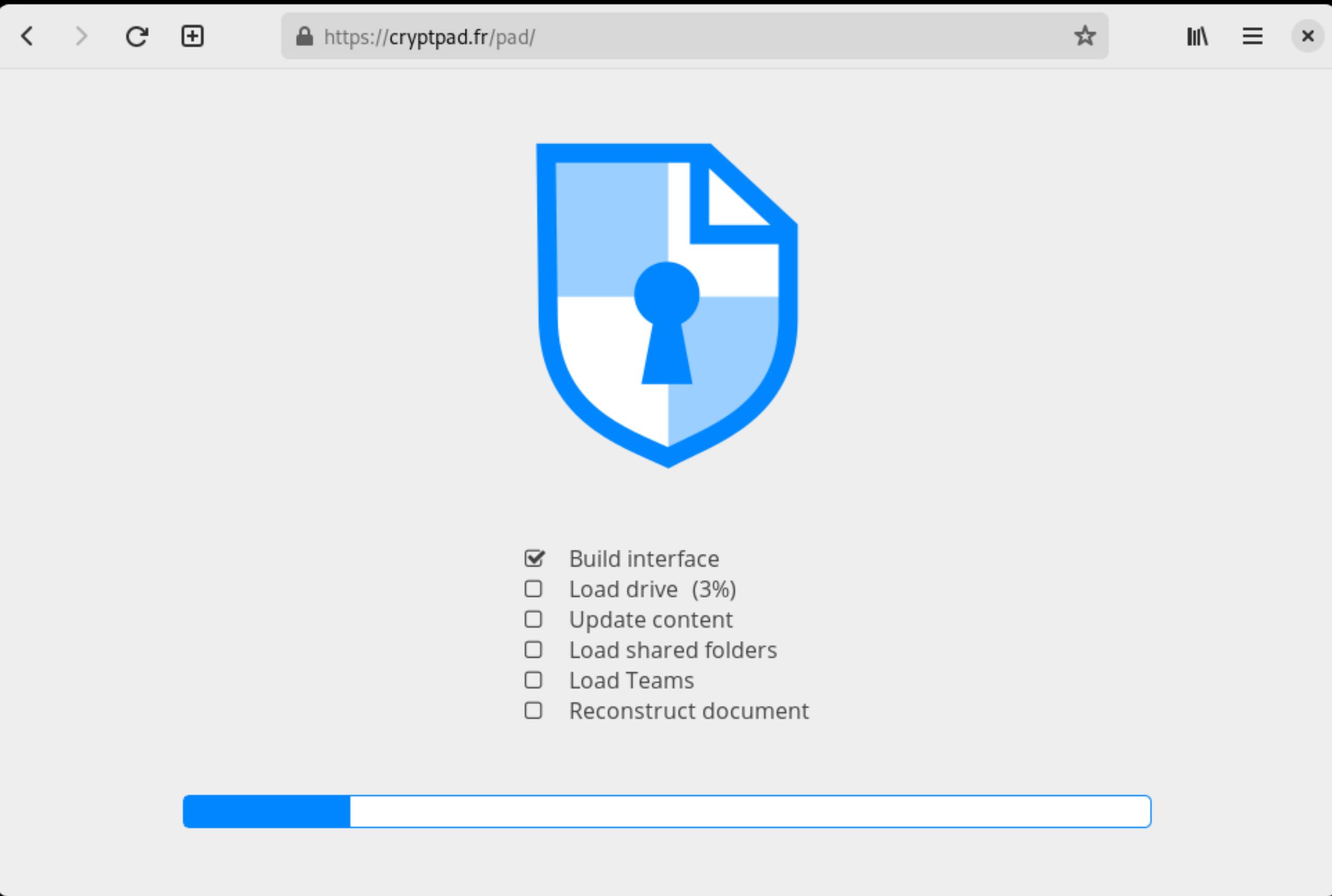
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# Signal

X



Loading...



- Build interface
- Load drive (3%)
- Update content
- Load shared folders
- Load Teams
- Reconstruct document



It's endemic



# Moore's Law: The number of transistors on microchips doubles every two years

Moore's law describes the empirical regularity that the number of transistors on integrated circuits doubles approximately every two years. This advancement is important for other aspects of technological progress in computing – such as processing speed or the price of computers.

Our World  
in Data

## Transistor count





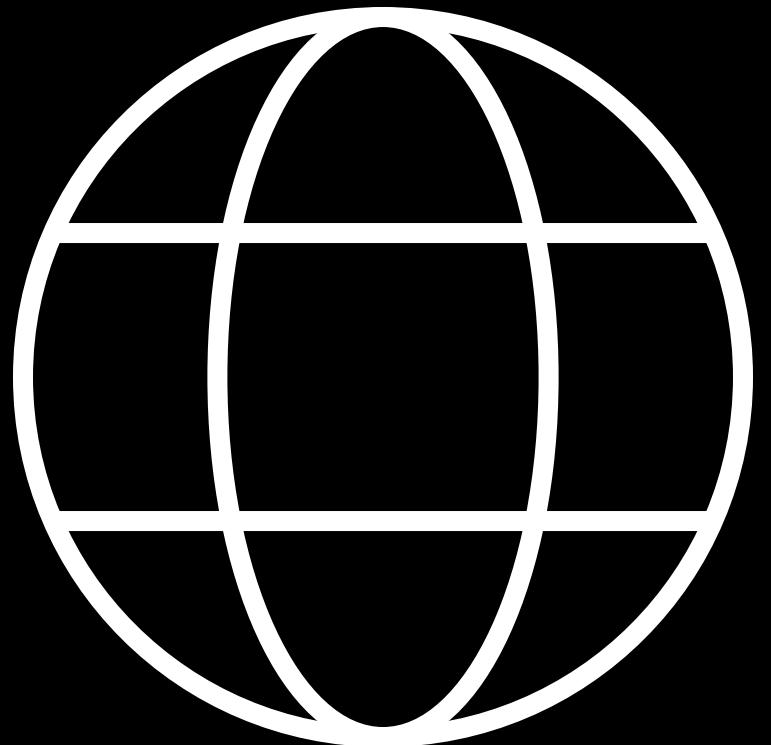




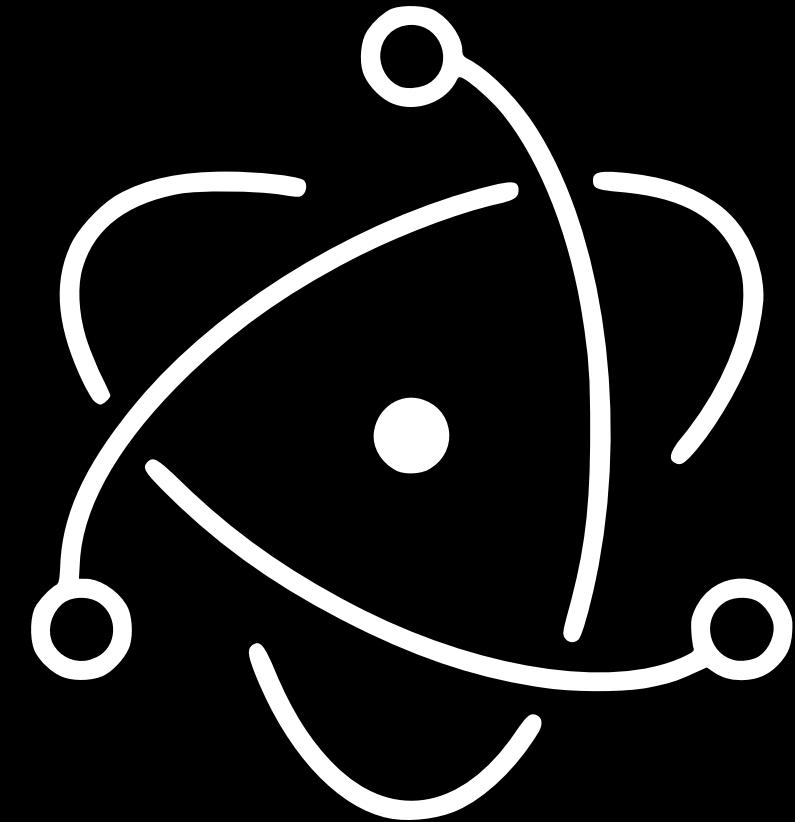
# Braess's Paradox

“Adding extra capacity [...] when the moving entities selfishly choose their route can [...] reduce overall performance”

**Sound familiar?**



**Browsers**



**Electron**

**“Developers are  
expensive, let’s just  
ship our own copy of  
Chrome”**

**Costs are externalized  
by having people buy  
new computers**

# Maximum acceptable shittiness



**It doesn't have to  
be this way!**



**4 native apps  
low-bandwidth  
lots of features  
great UX**

# What about hardware?



# Galaxy S9

<b>Feb 2018</b>	Released with Android 8
<b>Dec 2018</b>	Android 9
<b>Feb 2020</b>	Android 10
<b>Apr 2022</b>	End of life



# 2018

super slow  
terrible battery life  
overheating

# 2022

decent performance  
usable battery life  
lots more headroom



**Hardware becoming  
obsolete is a choice**

Would you like help?

- Get help with writing the letter
- Just type the letter without help

Cancel

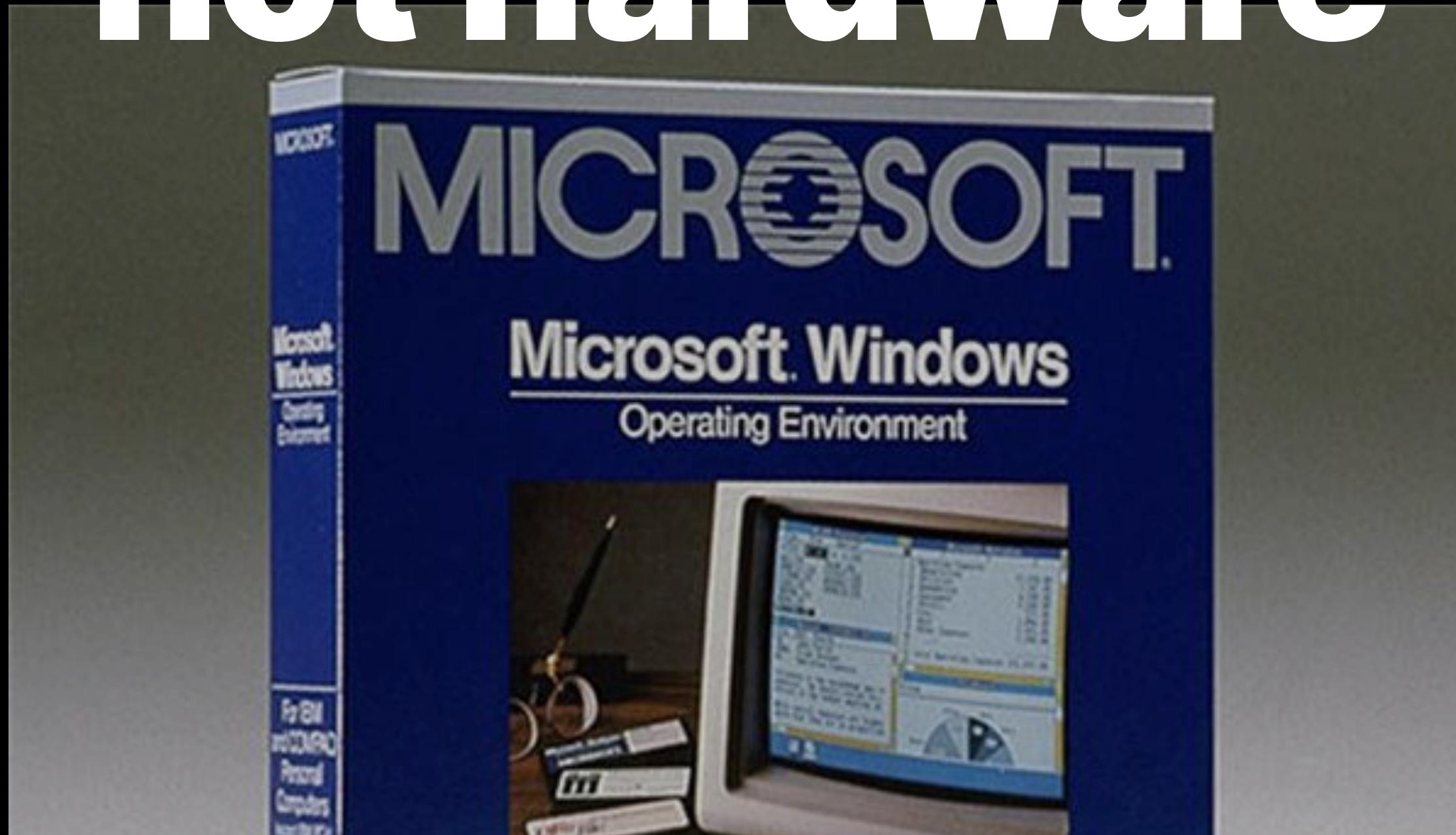
# Some provocative suggestions



# Get a worse computer



# Upgrade software, not hardware



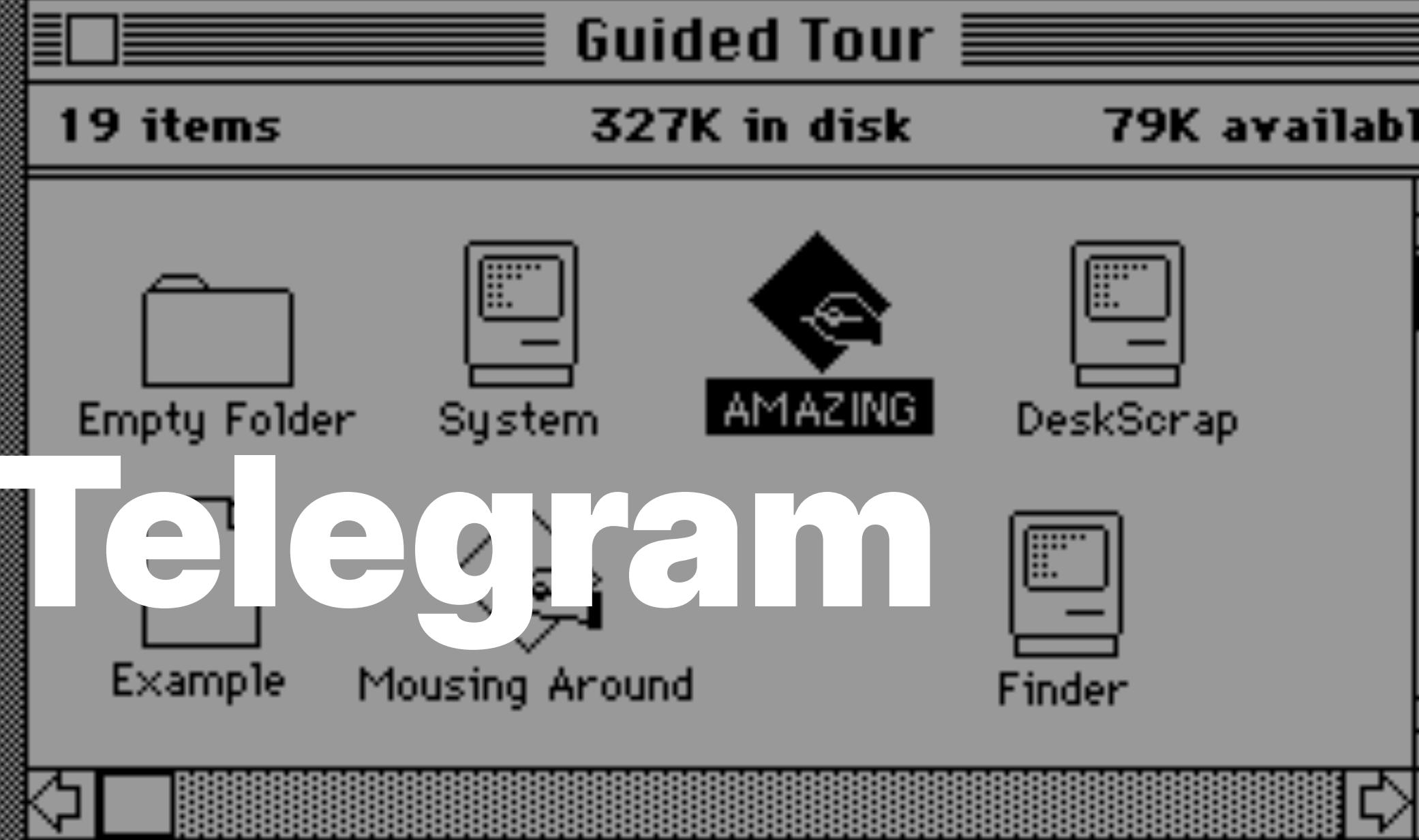
**Use software you  
can contribute to**



~~Web frameworks~~  
Device drivers



# Be like Telegram



No build  
No frameworks  
No Javascript



# Embrace Constraints



# Useless of everything

CPU  
Storage  
Memory

Power  
Bandwidth  
Resolution

640k ought to be  
enough for everyone



720p ought to be  
enough for everyone



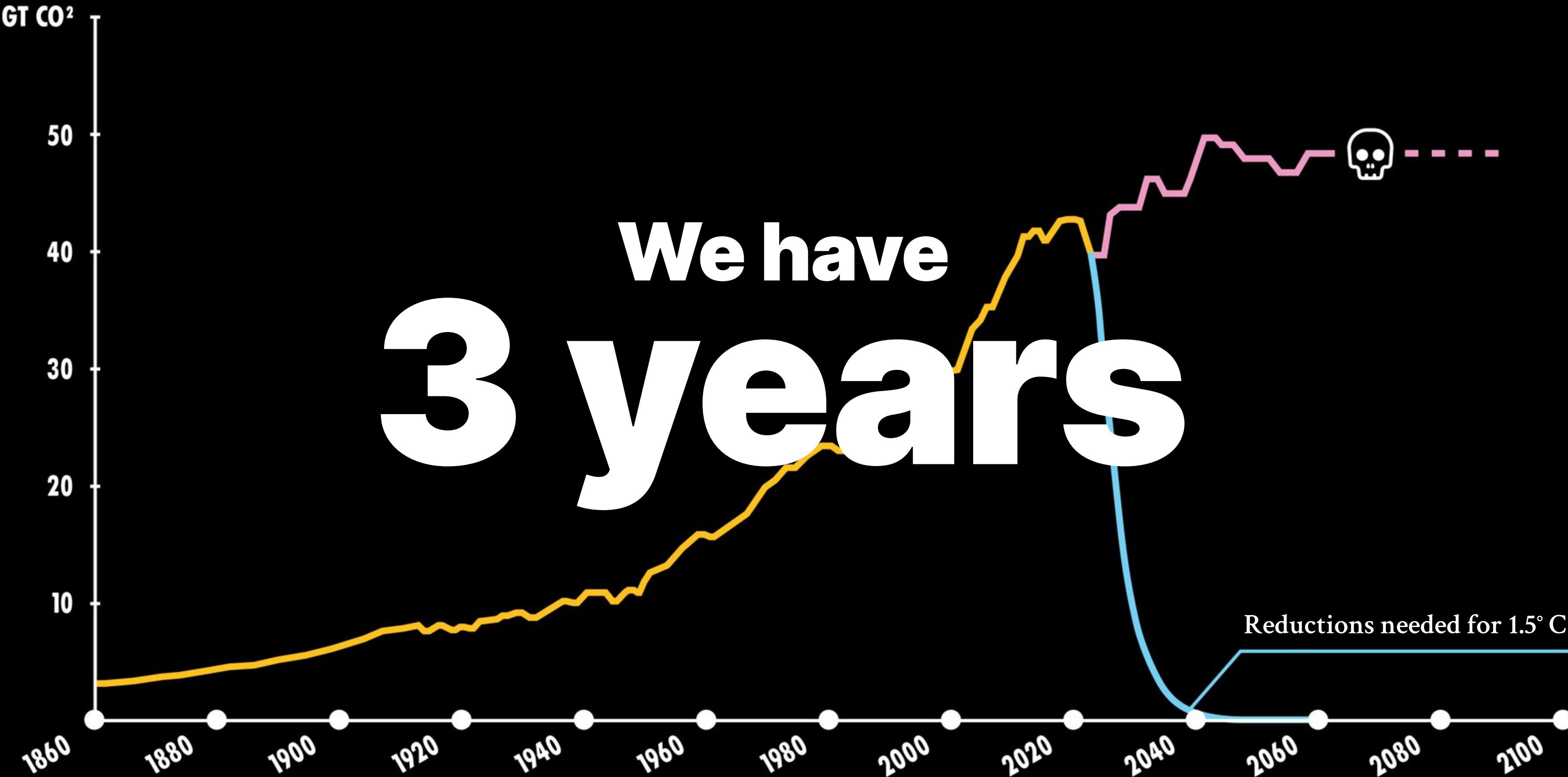
**But there's a more  
important reason to  
do this...**

# The motherf\*ing climate crisis



# **Trigger warning**

Very depressing climate facts

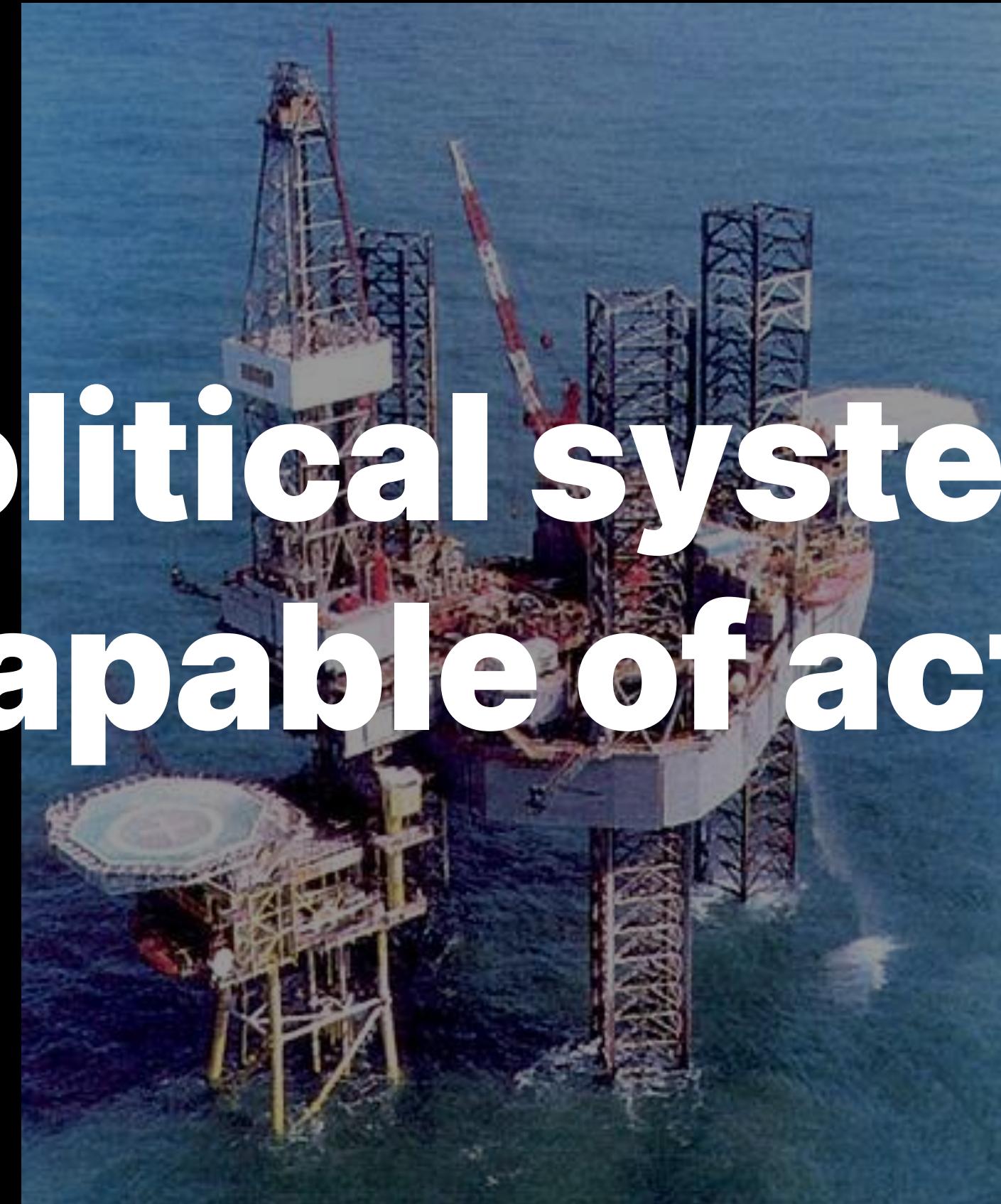


~~Technical innovations~~

~~Lifestyle choices~~

**Structural change**

**Our political systems are  
incapable of action**



**Mass mobilization**

**Mass civil resistance**

**Block the economy**

**Citizens' assemblies**



CM 214

BAR RW 75

ÖFFEN DROHNE

A close-up portrait of Obi-Wan Kenobi from Star Wars: Episode III - Revenge of the Sith. He is wearing his signature brown Jedi robes and a white tunic underneath. A blue lightsaber hilt is held in his right hand, pointing downwards. His face is serious and contemplative. The background is dark and out of focus.

**Join the rebellion.  
It's our best hope.**

**Because if we fail...**

# collapse



**No internet**

**No new hardware**

**Limited power**

**No cloud services**

# Resilience



# Takeaways

**Slow software is a choice**

**Don't use the web platform**

**Build resilient software**

**Join the climate resistance**

**See you at SFScon  
this weekend!**

# Post-Collapse Computing

SFScon Bolzano

12 Nov, 09:20

# Thanks