

"End Of 10"! Coordinating a Windows 10-to-Linux campaign across FOSS communities worldwide



 @be4foss@floss.social

conf.kde.in
05 April 2025



<https://invent.kde.org/teams/eco/opt-green/> under "conferences/talks/"



Part 1 — This is NOT fine!

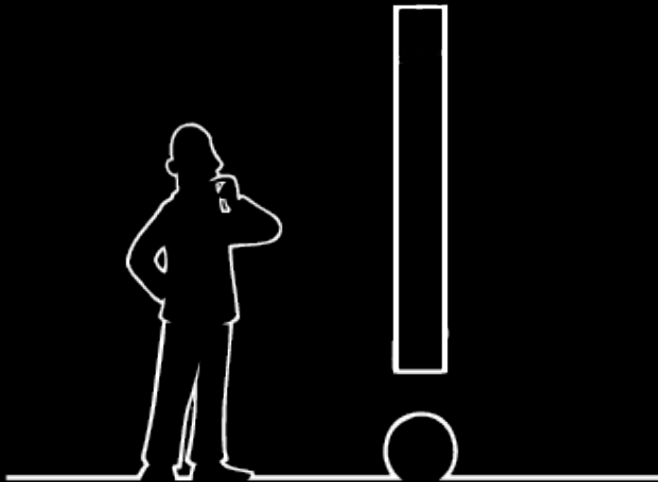
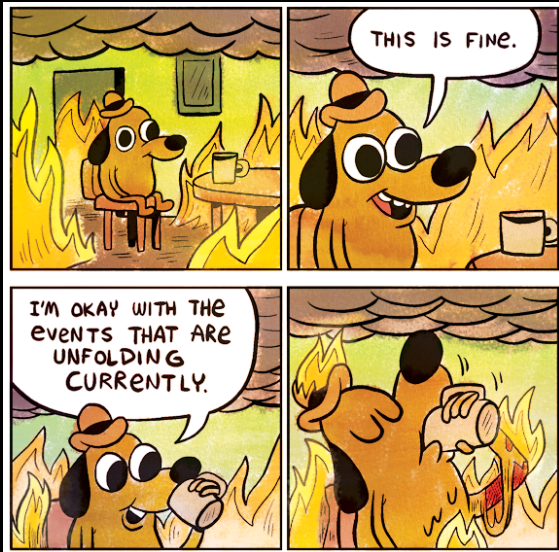
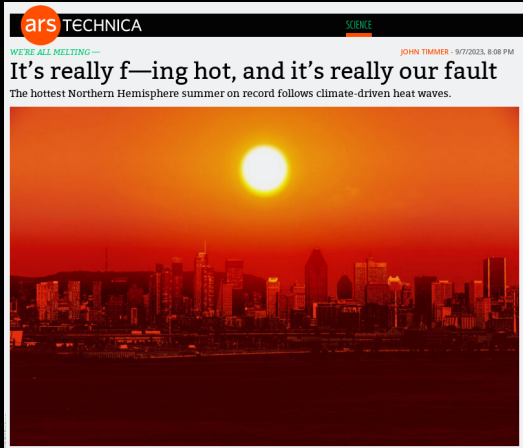


Image (modified) from Karanjot Singh published under a CC BY-SA 4.0 license:

<https://eco.kde.org/blog/2022-03-03-sok22-kde-eco/>



Comic from KC Green (used here with permission): <https://gunshowcomic.com/648>



Screenshots (modified) from: <https://arstechnica.com/science/2023/09/yes-this-year-is-as-hot-as-you-think-it-is/>

<https://www.nytimes.com/2025/02/05/climate/earth-hottest-january.html>

EDITION  IN

THE TIMES OF INDIA

February this year was warmest since record keeping commenced in 1901: IMD

Vishwa Mohan / TNN / Feb 28, 2025, 22:26 IST



NEW DELHI: This year's February was the warmest February in India since record keeping commenced in the country in 1901 and the upcoming hot weather season during March-May in most parts of the country is likely to be warmer with reporting of more number of heatwave days during the period, the IMD said on Friday.

It was the second consecutive month of the year that figured among the top three in record terms as Jan 2025 was the third warmest Jan since 1901.

February 2025 experienced the highest temperatures since 1901, with IMD predicting March to May will also be unusually warm....

nature

NEWS EXPLAINER | 29 May 2024

By [Jude Coleman](#)

Chance of heatwaves in India rising with climate change

Not only are these extreme events increasing in frequency, they are lasting longer and becoming hotter, too.

Screenshots (modified):

<https://timesofindia.indiatimes.com/india/february-this-year-was-warmest-since-record-keeping-commenced-in-1901-imd/articleshow/118633962.cms>

<https://www.nature.com/articles/d41586-024-01577-5>

This is NOT fine!



Comic from KC Green (used here with permission): <https://thenib.com/this-is-not-fine/>

1856 – “The Receiver [...] Became Itself Much Heated”

“The highest effect of the sun’s rays I have found to be in [CO₂]. The receiver containing the gas became itself **much heated** [...] and on being removed [from the sun] it was **many times as long in cooling**”.

Eunice Newton Foote, 1856

floss.social/deck/@be4floss/109987603351052830

ART. XXXI.—Circumstances affecting the Heat of the Sun’s Rays; by EUNICE FOOTE.

(Read before the American Association, August 29d, 1856.)

My investigations have had for their object to determine the different circumstances that affect the thermal action of the rays of light that proceed from the sun.

Several results have been obtained.

First. The action increases with the density of the air, and is diminished as it becomes more rarified.

The experiments were made with an air-pump and two cylindrical receivers of the same size, about four inches in diameter and thirty in length. In each were placed two thermometers, and the air was exhausted from one and condensed in the other. After both had acquired the same temperature they were placed in the sun, side by side, and while the action of the sun’s rays rose to 110° in the condensed tube, it attained only 88° in the other. I had no means at hand of measuring the degree of condensation or rarefaction.

The observations taken once in two or three minutes, were as follows:

Rarefied Tube.		Condensed Tube.	
In shade.	In sun.	In shade.	In sun.
75	88	75	88
76	83	78	88
80	88	80	100
82	88	82	100
84	88	85	110

This circumstance must affect the power of the sun’s rays in different places, and contribute to produce their feeble action on the summits of lofty mountains.

Secondly. The action of the sun’s rays was found to be greater in moist than in dry air.

In one of the receivers the air was saturated with moisture—in the other it was dried by the use of chlorid of calcium.

Both were placed in the sun as before and the result was as follows:

Dry Air.		Damp Air.	
In shade.	In sun.	In shade.	In sun.
75	88	75	75
78	88	78	90
80	102	82	100
82	104	82	110
88	105	82	114
88	104	82	120

The high temperature of moist air has frequently been observed. Who has not experienced the burning heat of the sun that precedes a summer’s shower? The isothermal lines will, I think, be found to be much affected by the different degrees of moisture in different places.

Thirdly. The highest effect of the sun’s rays I have found to be in carbonic acid gas.

One of the receivers was filled with it, the other with common air, and the result was as follows:

In Common Air.		In Carbonic Acid Gas.	
In shade.	In sun.	In shade.	In sun.
80	90	80	90
81	94	84	100
82	99	84	110
81	100	88	120

The receiver containing the gas became itself much heated—very sensibly more so than the other—and on being removed, it was many times as long in cooling.

An atmosphere of that gas would give to our earth a high temperature; and if as some suppose, at one period of its history the air had mixed with it a larger proportion than at present, an increased temperature from its own action as well as from increased weight must have necessarily resulted.

On comparing the sun’s heat in different gases I found it to be in hydrogen gas, 104°; in common air, 100°; in oxygen gas, 108°; and in carbonic acid gas, 125°.

ART. XXXII.—Review of a portion of the Geological Map of the United States and British Provinces by Jules Marcou,* by WILLIAM P. BLAKE.

GEOLOGICAL maps of the United States published in Europe and widely circulated among European geologists, are necessarily regarded by us with no small degree of attention and curiosity. This is more especially true, when such maps embrace regions of which the geography has only recently been made known and the geology has never before been laid down on a map with any approach to accuracy.

The recent geological map and profile by M. J. Marcou, which has appeared in the *Annales des Mines* and in the *Bulletin de*

* *Carte Géologique des États-Unis et des Provinces Anglaises de l’Amérique du Nord* par Jules Marcou. *Annales des Mines*, 2e Série, T. vii, p. 219. Published also with the following:

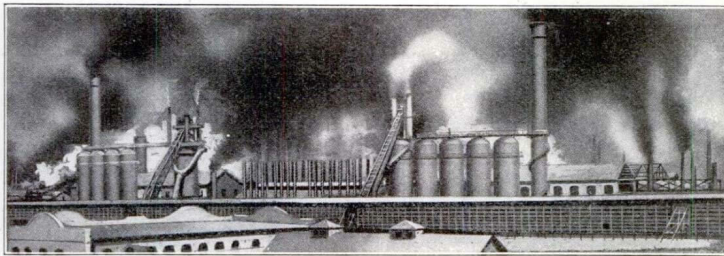
Reçu par l’auteur d’une carte géologique des États-Unis et des provinces anglaises de l’Amérique du Nord, avec un profil géologique allant de la vallée du Mississippi aux côtes du Pacifique, et une planche de faunes, par M. Jules Marcou. *Bulletin de la Société Géologique de France*, Mai, 1868, p. 818.

1912 – CO2 A “Blanket For The Earth”

March, 1912

POPULAR MECHANICS

341



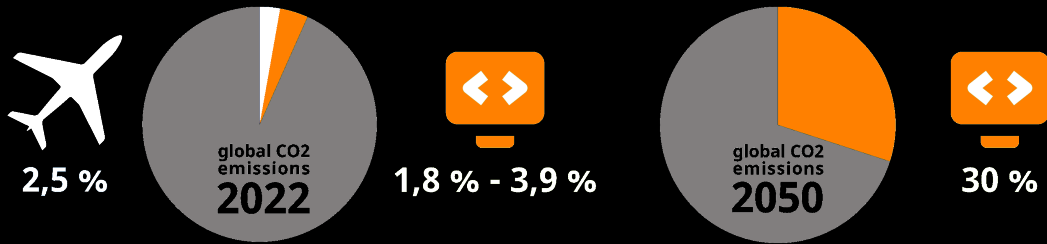
The furnaces of the world are now burning about 2,000,000,000 tons of coal a year. When this is burned, uniting with oxygen, it adds about 7,000,000,000 tons of carbon dioxide to the atmosphere yearly. This tends to make the air a more effective blanket for the earth and to raise its temperature. The effect may be considerable in a few centuries.

*[Adding CO₂] tends to make the air a more **effective blanket** for the earth and to raise its temperature. This effect may be **considerable in a few centuries**.*

– Popular Mechanics, 1912

https://commons.wikimedia.org/wiki/File:191203_Furnaces_of_the_world_-_Popular_Mechanics_-_Global_warming.jpg

Information and Communications Technology (ICT)



ACM Tech Brief (2021): <https://dl.acm.org/doi/pdf/10.1145/3483410>

WORLDWIDE ICT ELECTRICITY CONSUMPTION 8 TO 9% OF TOTAL

FIGURES FROM 2019 ~8.5%

WORLDWIDE ELECTRICITY CONSUMPTION ~23500 TWH

DATA CENTRES	~ 200	TWH
NETWORKS: INTERNET & RAN	~ 250	TWH
END USERS	~ 550	TWH
MANUFACTURING OF ICT	~ 1000	TWH
ICT ELECTRICITY CONSUMPTION	~ 2000	TWH

Table 1. Summary of the International Energy Agency's (IEA) estimates for the year 2019 of the electricity consumption (in terawatt-hours) worldwide by different sectors of ICT, namely data centers, networks including the radio access network and end users, and the manufacturing of ICT equipment, which represents roughly 50% of the total amount.

From: "Electricity Consumption by ICT: Facts, trends, and measurements" (2023, ACM):

<https://dl.acm.org/doi/pdf/10.1145/3613207>

Carbon Footprint by Device

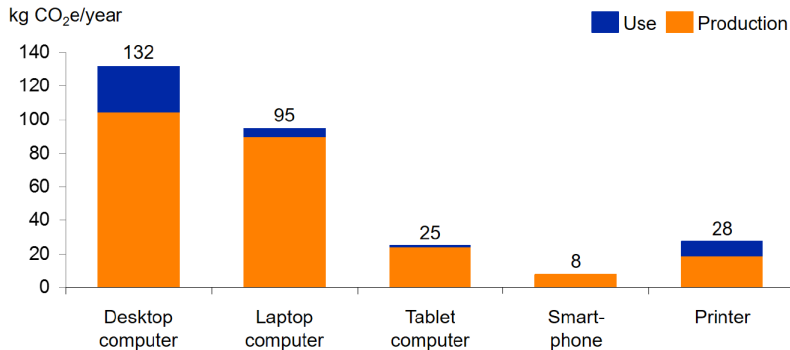


Figure 2: Average annual greenhouse gas emissions per end-user device during production and use by device type. The annual values of production emissions (grey) are based on current average useful lives of the devices.

From (modified): "Opportunities and Risks of Digitalization for Climate Protection in Switzerland" (2017):

https://www.zora.uzh.ch/id/eprint/141128/10/Study_Digitalization_Climate_Protection_Summary_Oct2017.pdf

Production “Impacts [...] Are So High”

With a “10% increase in the energy efficiency [...],
replacement of the older notebook can only be justified

after 33 to 89 years”

“Zeitlich optimierter Ersatz eines Notebooks unter ökologischen Gesichtspunkten”, UBA, 2012: <http://www.uba.de/uba-info-medien/4316.html>

With Huge Social Costs, Including Human Rights Violations

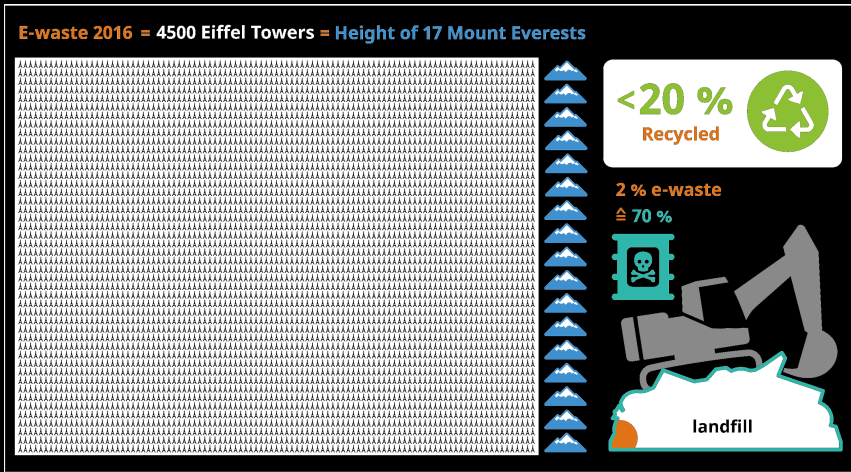


Photo of child labor in a cobalt mine in Congo from Thomas Coombes (CC BY-SA 3.0 DE)

Holding Companies Responsible (Supply Chain Due Diligence Act): <https://www.goethe.de/ins/id/en/kul/mag/22370005.html>

E-Waste

A “tsunami of e-waste” rolling out over the world” – Achim Steiner, UNEP, 2015



Based on report: <https://www.itu.int/en/ITU-D/Climate-Change/Documents/GEM%202017/Global-E-waste%20Monitor%202017%20.pdf>

Waste Electrical and Electronic Equipment (WEEE)

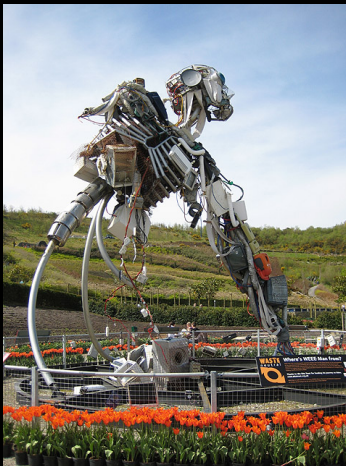


Photo: Pauline Eccles (CC BY-SA 2.0): https://en.wikipedia.org/wiki/File:WEEE_Man,_Eden_Project_-_geograph.org.uk_-_785381.jpg



Image by Muntaka Chasant: https://en.wikipedia.org/wiki/File:Agbogbloshie,_Ghana_-_September_2019.jpg



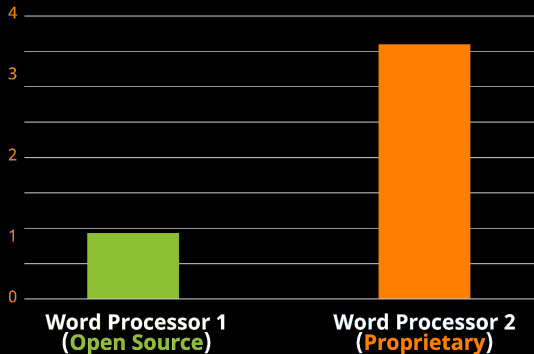
Photo by Joanna Murzyn: <https://branch.climateaction.tech/issues/author/joanna-murzyn/>

Part 2 – The Critical Role Of Software



Bloatware & Feature Creep Increase Energy Consumption

Watt-hours



Adapted from: <https://www.umweltbundesamt.de/publikationen/entwicklung-anwendung-von-bewertungsgrundlagen-fuer>

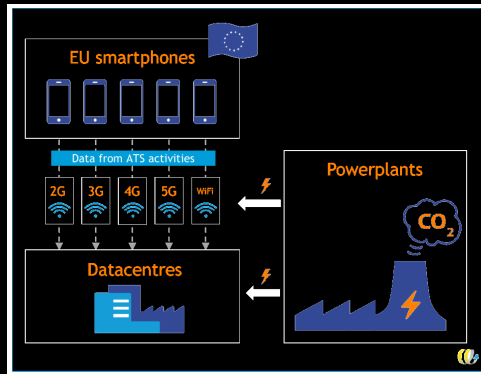
Inefficiencies Scale Up

The diagram illustrates how small inefficiencies scale up at a large scale. It shows a sequence of multiplications:

- A chip icon with a red border containing the text **+10 Ws**.
- A red **X** symbol.
- A person icon with the text **1.5 Mio users**.
- A red **X** symbol.
- The text **20 x day**.
- A red **X** symbol.
- A cursor icon pointing at a starburst.
- The text **230 x year**.
- A red **=** symbol.
- A red box containing the text **19 MWh**.

Adapted from Detlef Thoms HPI course: <https://open.hpi.de/courses/cleanit2021/items/5DHsS3tJsXAqfUE4q4F82Z>

Ads & Tracking Increase Energy Consumption



ATS - Ad / Tracking Services

Screenshot with modified colors from "Carbon footprint of unwanted data-use by smartphones: An analysis for the EU":

https://groenlinks.nl/sites/groenlinks/files/2021-09/CE_Delft_210166_Carbon_footprint_unwanted_data-use_smartphones.pdf

Software Is Often Designed In The Interest Of The Vendor

Trains were designed to break down after third-party repairs, hackers find

ASHLEY BELANGER - 12/13/2023, 10:14 PM



Screenshot: <https://arstechnica.com/tech-policy/2023/12/manufacturer-deliberately-bricked-trains-repaired-by-competitors-hackers-find/>

Planned Obsolescence & Abandonware Drives E-Waste



From: <https://arstechnica.com/gadgets/2023/07/with-macos-sonoma-intel-macs-are-still-getting-fewer-updates-than-they-used-to/>

Unsupported Software – Security Risks

About the security content of macOS Sonoma 14.7.5

This document describes the security content of macOS Sonoma 14.7.5.

AccountPolicy

Available for: macOS Sonoma

Impact: A malicious app may be able to gain root privileges

Description: This issue was addressed by removing the vulnerable code.

CVE-2025-24234: an anonymous researcher

AirDrop

Available for: macOS Sonoma

Impact: An app may be able to read arbitrary file metadata

Description: A permissions issue was addressed with additional restrictions.

CVE-2025-24097: Ron Masas of [BREAKPOINT.SH](#)

App Store

Available for: macOS Sonoma

Impact: A malicious app may be able to access private information

Description: This issue was addressed by removing the vulnerable code.

CVE-2025-24276: an anonymous researcher

NSDocument

Available for: macOS Sonoma

Impact: A malicious app may be able to access arbitrary files

Description: This issue was addressed through improved state management.

CVE-2025-24232: an anonymous researcher

OpenSSH

Available for: macOS Sonoma

Impact: An app may be able to access user-sensitive data

Description: An injection issue was addressed with improved validation.

CVE-2025-24246: Mickey Jin (@patch1t)

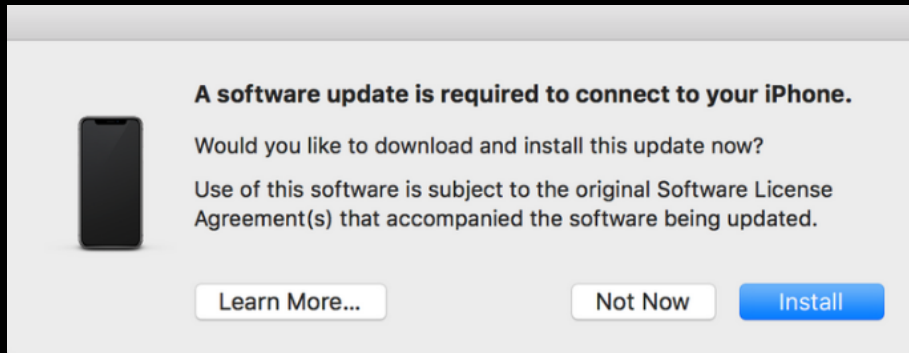
PackageKit

Available for: macOS Sonoma

Impact: An app may be able to modify protected parts of the file system

From: <https://support.apple.com/en-us/122374>

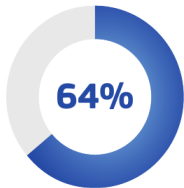
Unsupported Software – Functionality Issues



From: <https://macreports.com/software-update-is-required-to-connect-to-your-ios-device-installation-failed-fix/>

Consumers May Be Aware Of The Problem, But Not A Solution!

Most respondents would like to keep using their current digital devices for at least 5 years



37%
old device broke

Reason for purchasing a new device:



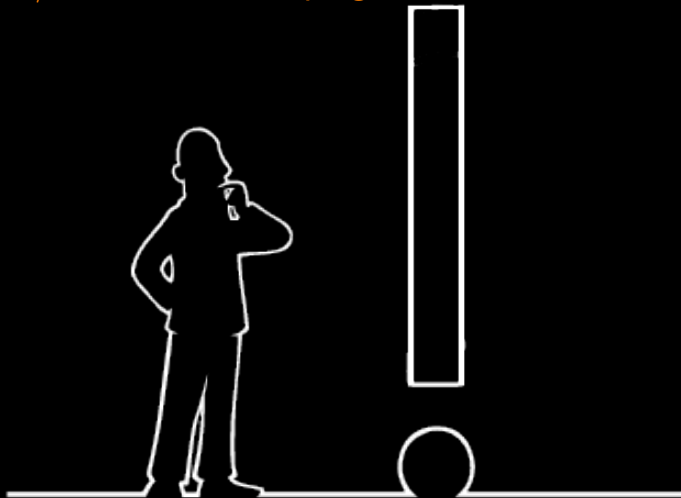
30%
the performance
of your old device had
significantly deteriorated



19%
certain applications
or software stopped
working on your old
device

Screenshot (modified) from: <https://europa.eu/eurobarometer/surveys/detail/2228>

Part 3 – Opt Green / End of 10 Campaign



14 October 2025 – Windows 10 End-of-Life (EoL)



From: <https://arstechnica.com/gadgets/2024/10/lots-of-pcs-are-poised-to-fall-off-the-windows-10-update-cliff-one-year-from-today/>

240 million PCs ineligible for Windows 11 could become e-waste from October 2025



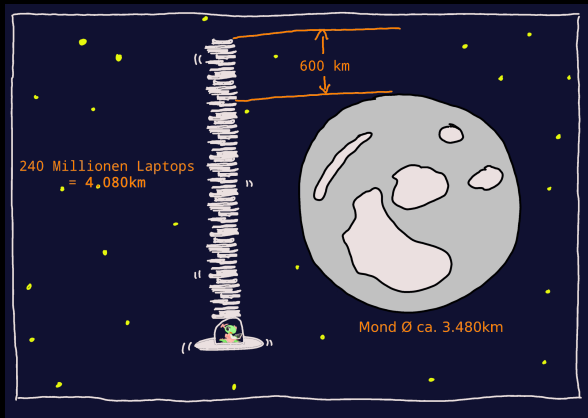
Incompatibility with Windows 11 prevents partners and ITAD firms from refurbishing and reselling still-viable PCs



Donating unsupported devices to disadvantaged communities globally presents challenges for digital equity



Microsoft will offer Extended Security Updates for Windows 10 from 2025 until 2028, but at an undisclosed annual cost



From: <https://www.canalys.com/insights/end-of-windows-10-support-could-turn-240-million-pcs-into-e-waste>

Moon image from KDE published under a CC-BY-SA-4.0. Design by Nicole Teale.

Unsupported Software – Security Risks

Windows 10 (release 2022)

Vulnerabilities by impact types

Year	Code Execution	Bypass	Privilege Escalation	Denial of Service	Information Leak
2021	1	0	0	0	0
2022	0	0	2	0	0
2023	156	0	156	66	68
2024	133	0	194	44	51
2025	41	0	36	19	18
Total	331		388	129	137

This page lists vulnerability statistics for CVEs published in the last ten years, if any, for [Microsoft » Windows 10 22h2 » N/A for x86](#). Vulnerability statistics provide a quick overview for **security vulnerabilities of Microsoft » Windows 10 22h2 » version N/A for x86**.

From: <https://www.cvedetails.com/version/712972/>

Higher Energy Consumption From New Anti-Features



Screenshot (modified) from: <https://www.pcworld.com/article/1668041/ads-in-the-windows-11-start-menu-are-definitely-coming.html>

14 October 2025 Is Also International E-Waste Day (WEEE Forum)



International E-Waste Day

Join the e-waste hunt – retrieve, recycle and revive!



The extent of the e-waste issue: 1.55 million trucks lined up on the Equator!

According to the latest UN's [Global E-Waste Monitor](#), in 2022, 62 billion kg of e-waste were generated globally. This means 1.55 million trucks filled with e-waste lined up along the Earth's equator. The quantity of e-waste is expected to rise to 82 billion kg by 2030. Currently, the amount of e-waste is growing five times faster than formal recycling collection rates since 2010.

To help tackle this global problem, every year on October 14th, International E-Waste Day is celebrated. This awareness-raising event, initiated by the WEEE Forum and its members, aims to highlight the importance of the formal and responsible management of e-waste and the solutions available to each citizen within their community. Last year, 195 companies from 55 countries took part in the celebrations by organizing events, e-waste collections, social media, and press campaigns.

From: <https://weee-forum.org/iewd-about/>

... And KDEs 29th Birthday

New Project: Kool Desktop Environment (KDE) [14th October 1996 03:00]

Programmers wanted!

Motivation

Unix popularity grows thanks to the free variants, mostly Linux. But still a consistent, nice looking free desktop-environment is missing. There are several nice either free or low-priced applications available, so that Linux/X11 would almost fit everybody needs if we could offer a real GUI.

From: <https://kde.org/announcements/announcement/>

We Are Organizing An End-User Campaign (endof10.org)

The logo consists of four light blue rounded squares arranged in a 2x2 grid, slightly offset from each other. The text "END OF 10" is centered over this graphic in a bold, white, sans-serif font.

END OF 10

[Places](#)

[Events](#)

[DIY Install](#)

Our Message – GNU/Linux is the better alternative!

5 Reasons

to upgrade your old computer to GNU/Linux

1

It's waaaaay cheaper

A new laptop costs a lot of money. Repair cafes will often help you for free. Software updates are also free, forever. You can of course show your support for both with donations!

2

No ads, no spying

Windows comes with lots of ads and spyware nowadays, slowing down your computer and increasing your energy bill.

3

Good for the planet

Production of a computer accounts for 75+% of carbon emissions over its lifecycle. Keeping a functioning device longer is a hugely effective way to reduce emissions.

4

Community support

If you have any issues with your computer, the local repair cafe and independent computer shop are there for you. You can often find community support in online forums, too.

5

User control

You are in control of the software, not companies. Use your computer how you want, for as long as you want.

Our Focus – Promoting LOCAL End-User Support Networks

Repair Shops

These repair shops will help you get set up and support you with any questions.

🔍 Search for repair shops...

Berlin

resist.berlin

Kreuzberg, Rigaerstrasse 44 10336

Monday 17:00 - 19:00

🌐 resist.berlin

✉ resistberlin@resist.berlin

TOPIO

Moabit, Rigaerstrasse 44, 10336

Monday 17:00 - 19:00

Tuesday 11:00 - 13:00

Friday 17:00 - 19:00

🌐 topio.de

✉ hi@topio.de

Matrix: #win2linux:kde.org

How can I get involved with the campaign?

There are many ways to get involved:

- Add repair cafes and independent computer shops offering GNU/Linux to our website
- Organize installation events
- Train volunteers at repair cafes in your area
- Design materials for new users like how-tos, promotional flyers, etc.
- Distribute materials in cafes, shops, universities, schools, and so on in your area
- Help with our online presence (social media promotion, website, etc.)
- Translate materials like the website, infoflyers, etc. (more below)
- Volunteer with FOSS communities participating in the campaign (improving documentation, software debugging, design)
- Your ideas!

Please contact us so we can coordinate your efforts with ours.

Help Us! BoF On Sunday

- I want your help brainstorming contributions in the context of India
- Who? Schools & students, environmental groups, FOSS clubs, other ideas
- If not this campaign, perhaps another campaign?

Maybe An “i-Waste” Campaign?



Get Involved! Build Up New Support Networks

Example: Germany

NETZWERK
REPARATUR-INITIATIVEN

Reparatur-Initiativen finden und gründen - Vernetzung, Beratung, Austausch


anstiftung **Anmelden**

AKTUELLES TERMINE & ORTE ÜBER UNS INITIATIVE GRÜNDEN STATISTIK WISSEN & KÖNNEN SCHULE & CO FÖRDERUNG

TERMIN ORTE


Alle auswählen


1.000 von insgesamt 7.052 Terminen gefunden



05.04.2025 // Repair-Café Dinkelscherben // Dinkelscherben


Der Termin beginnt um 08:30 und endet um 12:30 Uhr.






05.04.2025 // Reparatur-Café Alteglöfshaus // Alteglöfshaus


Der Termin beginnt um 09:00 und endet um 12:00 Uhr.






05.04.2025 // Repair-Café Sigmaringen // Sigmaringen

Der Termin beginnt um 09:30 und endet um 15:00 Uhr.




05.04.2025 // ReparaturTREFF Oberkirch //




Get Involved! Local FOSS Groups As Support Networks

 **FSCI**

[Home](#) [Services](#) [Code of Conduct](#) [Blog](#) [Initiatives](#) [Contact](#) [Donate](#)  

We run free software powered and privacy respecting services for general public. These services are run by volunteers in their free time. Your donation will help us in running these services. Please [donate to us](#).



FREE SOFTWARE COMMUNITY OF INDIA

Free Software Community of India is a collective of Free Software users, advocates and developers. We maintain communication and collaboration infrastructure for everyone that respects their freedom and privacy.

[About us](#) [Join us](#) [Donate](#)

[Technical Help](#) [Planet](#)

<https://fsci.in/>

FOSS-Clubs-India

This repository contains the list of FOSS and open source related clubs at the Indian universities.

Name of the University/ college	Name of the FOSS Club	Activities	Google Summer of Code Selects
Amrita University, Amritapuri	FOSS@Amrita	Conducted: <ul style="list-style-type: none">• [FOSSTalks] (https://www.youtube.com/watch?v=EhsaOyIf8j8)• MediaWikiToLearn Hackathon and Editathon• KDE Conference India 2015• FOSSter	Details can be found here
National Institute of Technology, Calicut	FOSSCell, NITC	<ul style="list-style-type: none">• [FOSSMeet] (http://fossmeet.in)• [Firefox OS Hackathon 2015] (http://fossmeet.in/2016/hackathon.tathva.org/)• [Rust Workshop 2016] (https://www.facebook.com/CSEANITC/posts/935276289884219)	
Arya college of Engineering and IT, Jaipur	Openmoz		
National Institute of Technology Karnataka	LUG, NITK		

<https://github.com/v-thakkar/FOSS-Clubs-India>

Get Involved! Bring GNU/Linux To Schools

IT'S FOSS



News



Newsletter



Quizzes & Puzzles



Resources



Community

Good News! Indian State Aims to Save Over \$400 Million by Choosing Linux



Abhishek Prakash

11 Jan 2023 · 2 min read · 28 comments

Schools in the Indian state of Kerala are expected to save ₹3000 crore (roughly \$428 million) by choosing Linux as their operating system for school computers under a state-wide project.

<https://itsfoss.com/kerala-linux/>

Get Involved! Become A Campaign Supporting Organization

Teams / KDE Eco / Opt Green / Issues / #145

Outreach: Supporting organizations for the campaign

Open Issue created 2 weeks ago by Joseph P. De Veagh-Geiss

For the campaign we want to gather a list of supporting organizations.

As an example, see the list of supporting organizations for this related FSFE campaign: <https://fsfe.org/activities/upcyclingandroid/openletter.en.html>

0

0

Assignee

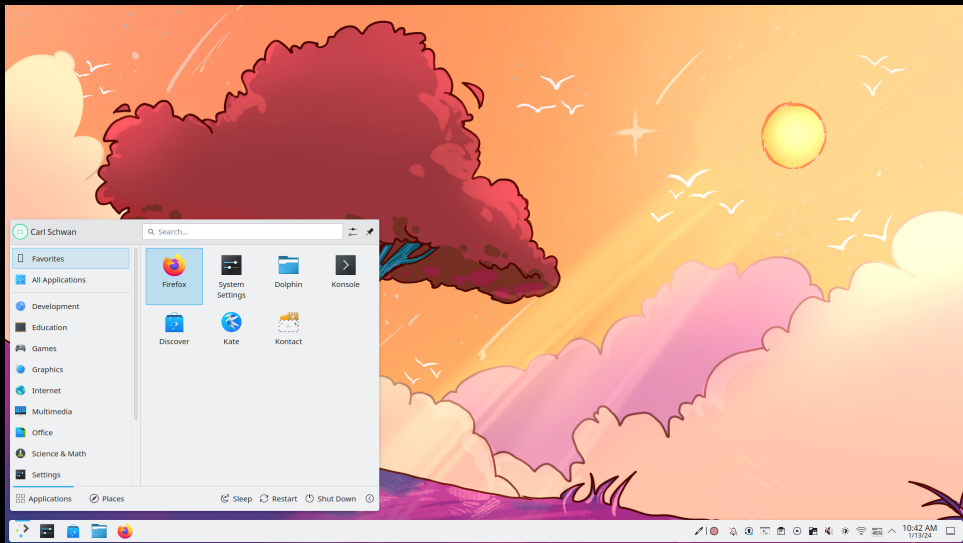
Joseph P. De Veagh-Geiss

Labels

highOutreach to allied organizations/peopleWebsite


<https://invent.kde.org/teams/eco/opt-green/-/issues/145>

Get Involved! Install GNU/Linux – Especially KDE Plasma & Apps




<https://kde.org/announcements/megarelease/6/desktop.png>

Get Involved! Organize Workshops


 [Be Green](#) [Make Green](#) [Blog](#) [Get Involved](#) [Donate](#)


Events




Bring It Back To Life!


Installation Workshop at Amerika-Gedenkbibliothek

16 February 2025  Berlin, DE




Presentation at FOSDEM 2025


2 February 2025  Berlin, DE



Bring It Back To Life!


Installation Workshop at Moos


28 June 2024  Berlin, DE




N8 | Lange Nacht der Wissenschaften

Lange Nacht der Wissenschaften

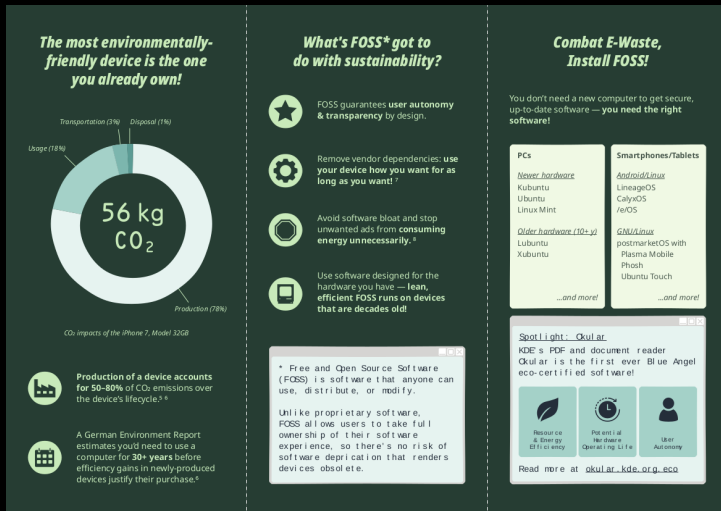
22 June 2024  Berlin, DE



Umweltfestival

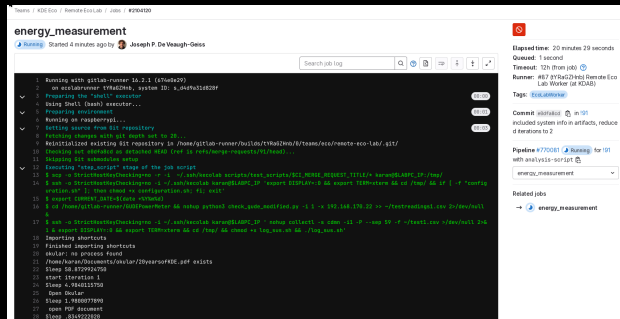
28 April 2024  Berlin, DE

Get Involved! Translate & Distribute Materials In Your Community



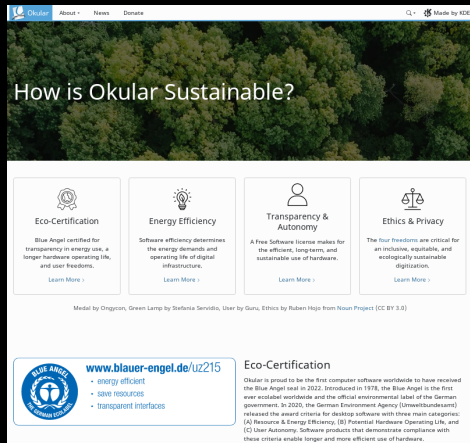
https://invent.kde.org/teams/eco/opt-green/-/blob/master/materials/leaflets/EN/kde-eco-umweltfestival-flyer-EN_final.jpg

Get Involved! Report How Your Software Is Sustainable



The screenshot shows the KDE Ecolab web interface. At the top, it says 'energy_measurement' and 'Started 4 minutes ago by Joseph P. De Veaugh-Geiss'. Below this is a search bar for the job log. The main area displays a list of 28 steps in a job execution process, such as 'Running with gitlab-runner 16.2.1', 'Preparing the "shell" executor', 'Preparing environment', 'Running on raspberrypi...', 'Getting source from git repository', 'Checking out detached HEAD', 'Executing "step_script" stage of the job script', 'Running script', 'Finished importing shortcuts', 'Okular: no shortcuts found', and 'Sleep 0.8729924758'. On the right side, there is a summary box showing 'Elapsed time: 20 minutes 29 seconds', 'Queued: 1 second', 'Timeout: 12h (from job)', 'Runner: #6.7 (YAG2-4b) Remote Ecolab Worker (at KDLB)', 'Tags: Ecolabworker', 'Comment: autoadded in 101', 'Pipeline #770081', and 'Related jobs' with a link to 'energy_measurement'.

Screenshot KEcoLab



The screenshot shows the Okular website with the title 'How is Okular Sustainable?'. The page features a background image of a forest. Below the title, there are four main sections: 'Eco-Certification' (Blue Angel certified for transparency in energy use), 'Energy Efficiency' (Software efficiency determines the energy demands and operating life of digital infrastructure), 'Transparency & Autonomy' (A Free Software license makes for the efficient, long-term, and ecologically sustainable digitization), and 'Ethics & Privacy' (The four freedoms are critical for an inclusive, equitable, and ecologically sustainable digitization). At the bottom, there is a 'Medal by Orgycon, Green Lamp by Stefania Servidio, User by Guru, Ethics by Ruben Hoje from Noun Project (CC BY 3.0)' and a 'Blue Angel' logo with the website 'www.blauer-engel.de/uz215' and a list of criteria: 'energy efficient', 'save resources', and 'transparent interfaces'.

Screenshot (design Anita Sengupta): <https://okular.kde.org/eco/>

Savings Scale Up

The diagram illustrates the scaling of energy savings. It starts with a grey chip icon containing a green circle with the text "-10 Ws". This is followed by a green "X" multiplier, then a teal person icon with the text "1.5 Mio users". This is followed by another green "X" multiplier, then the text "20 x day" with a horizontal line underneath. This is followed by an orange cursor icon pointing at a starburst, then the text "230 x year" with a horizontal line underneath. This is followed by an equals sign, and finally a green battery icon containing the text "19 MWh".

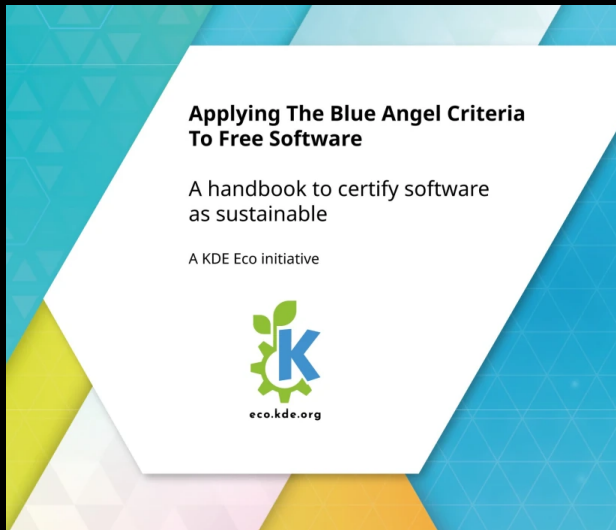
$$-10 \text{ Ws} \times 1.5 \text{ Mio users} \times \frac{20 \text{ x day}}{\text{day}} \times \frac{230 \text{ x year}}{\text{year}} = 19 \text{ MWh}$$

Adapted from Detlef Thoms HPI course: <https://open.hpi.de/courses/cleanit2021/items/5DHsS3tJsXAqfUE4q4F82Z>

Small Individual Changes = Huge Collective Savings

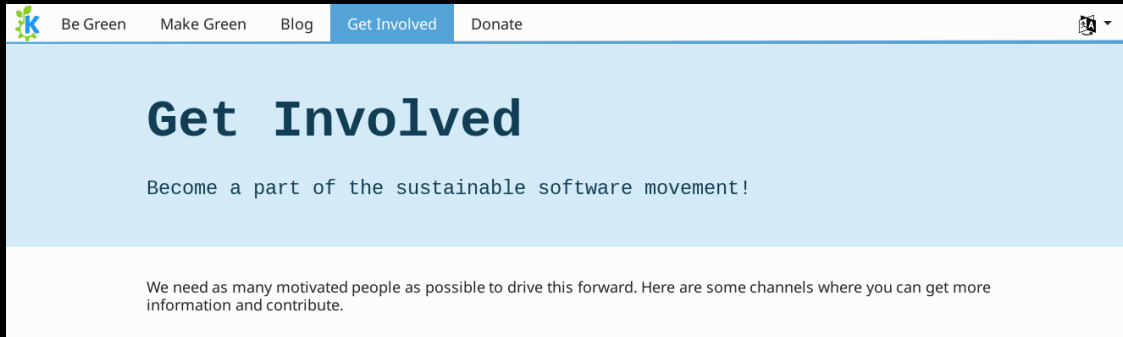


Adapted from Detlef Thoms HPI course: <https://open.hpi.de/courses/cleanit2021/items/5DHsS3tJsXAqfUE4q4F82Z>



Get Involved! Join KDE Eco

eco.kde.org/get-involved/



The screenshot shows the 'Get Involved' page of the KDE Eco website. The navigation bar at the top includes links for 'Be Green', 'Make Green', 'Blog', 'Get Involved' (which is highlighted), and 'Donate'. On the right side of the navigation bar, there is a KDE logo and a dropdown arrow. The main content area has a light blue background with the heading 'Get Involved' in a large, bold, dark blue font. Below the heading, the text 'Become a part of the sustainable software movement!' is displayed in a smaller, dark blue font. At the bottom of the page, on a white background, there is a paragraph of text: 'We need as many motivated people as possible to drive this forward. Here are some channels where you can get more information and contribute.'

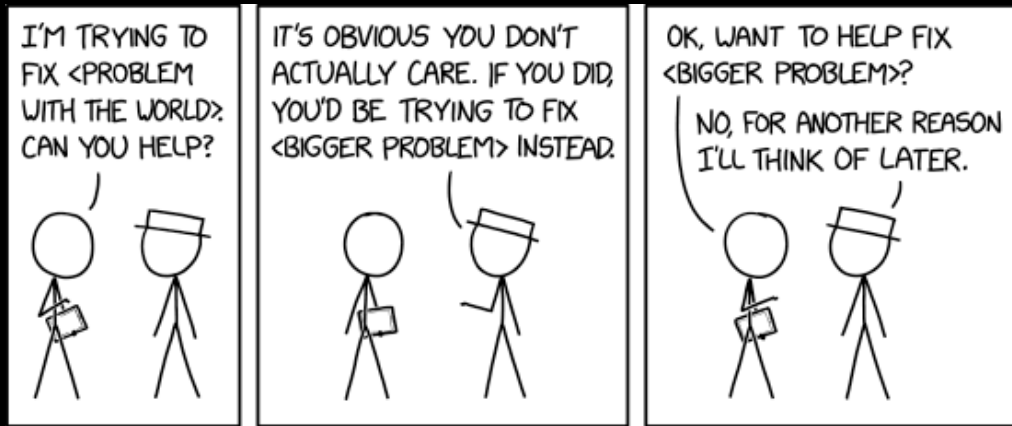
Be Green Make Green Blog **Get Involved** Donate

Get Involved

Become a part of the sustainable software movement!

We need as many motivated people as possible to drive this forward. Here are some channels where you can get more information and contribute.

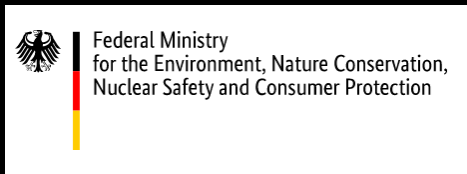
Is All Of This Worth It?



XKCD comic "2368: Bigger Problem": <https://xkcd.com/2368/>

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The publisher is responsible for the content of this publication.