



## WHAT IS GPW?

Global Plastic Watch (GPW) is a digital platform that maps the world's plastic pollution in near real-time using a unique combination of satellite imagery and artificial intelligence.

EXPLORE MAP→

## HOW GPW WORKS?





Learn more about Minderoo Foundation

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https://globalplasticwatch.org/

## Today's news

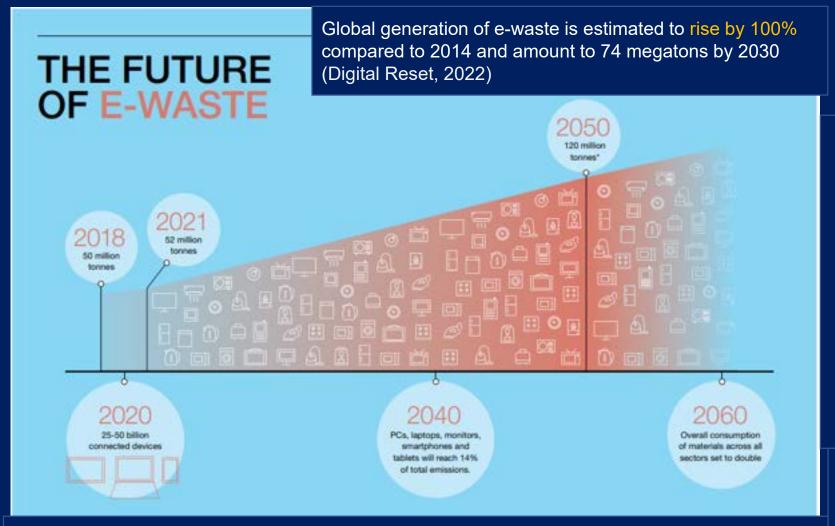
# One of India's trash mountains is on fire again and residents are choking on its toxic fumes



"India creates more methane from landfill sites than any other country, according to GHGSat, which monitors emissions via satellites. Methane is the second most abundant greenhouse gas after carbon dioxide – but it is a more potent contributor to the climate crisis because it traps more heat."

"...it hasn't joined the 150 countries that have signed up to the Global Methane Pledge, a pact to collectively cut global emissions by at least 30% from 2020 levels by 2030. Scientists estimate the reduction could cut global temperature rise by 0.2% – and help the world reach its target of keeping global warming under 1.5 degrees Celsius.

India says it won't join because most of its methane emissions come from farming – some 74% from farm animals and paddy fields versus less than 15% from landfill."



Report: The Platform for Accelerating the Circular Economy (PACE). (2019). A New Circular Vision for Electronics Time for a Global Reboot. World Economic Forum Source: Global E-waste Monitor, 2017

### "a tsunami of e-waste"

"E-waste can be toxic, is not biodegradable and accumulates in the environment, in the soil, air, water and living things. It can also have an adverse impact on health. Children and women are particularly vulnerable to the health risks of e-waste exposure."

"a product can be made up of more than 1,000 different substances."

"There is 100 times more gold in a tonne of mobile phones than in a tonne of gold ore." Digitalization for Sustainability (D4S), 2022: Digital Reset. Redirecting Technologies for the Deep Sustainability Transformation. Berlin: TU Berlin:

"the environmental footprint of digital devices and new digital consumption is substantial"

"digitalization is a double-edged sword regarding social and environmental sustainability."

"To make digital technologies work for a deep sustainability transformation requires strong, coherent and cross-sectoral policymaking on all levels of governance."

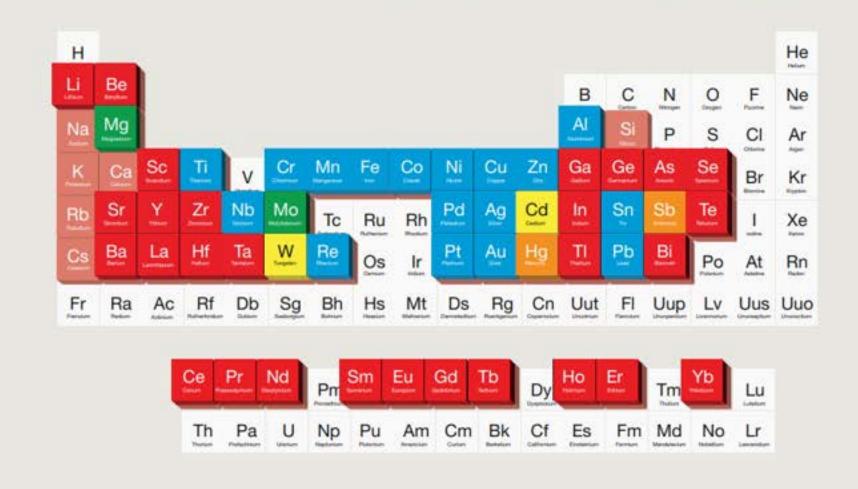
"digital technologies initiate higher efficiency, and digital services substitute physical goods. But on the other side, the growth in the number of digital devices and services spurs energy and resource consumption, and their application leads via various rebound effects to additional consumption in other sectors."



"e-waste
contains many high-value and scarce
materials, such as
gold, platinum, cobalt, rare earths, and
high quantities of
aluminium and tin"

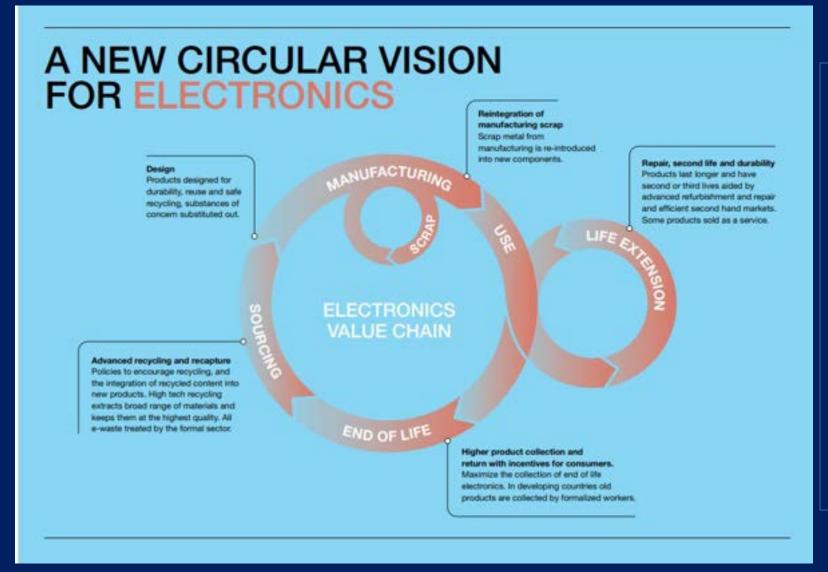
"Recycling rates globally are low.

Even in the EU, which leads the world in e-waste recycling, just 35% of e-waste is officially reported as properly collected and recycled.42 Globally, the average is 20%; the remaining 80% is undocumented, with much ending up buried under the ground for centuries as landfill."



Report: The Platform for Accelerating the Circular Economy (PACE). (2019). A New Circular Vision for Electronics Time for a Global Reboot. World Economic Forum

Source: UNU, 2015; UNI, 2014



Report: The Platform for Accelerating the Circular Economy (PACE). (2019). A New Circular Vision for Electronics Time for a Global Reboot. World Economic Forum

"The transition to a circular economy must take place in a way that benefits all stakeholders from the consumer to workers, government, businesses, entrepreneurs and society at large. There will be a need for mass collaboration, system changing ideas, new policy frameworks and new ways of doing business"

"The extraction and use of primary (raw) materials is much more polluting than secondary (recycled) materials."

OECD, Global Material Resources Outlook to 2060, (2018)

### An information-based circular industry

## Digital product passport

"A major political instrument currently being developed is the digital product passport. This legislation will be introduced as part of the European Commission's Circular Economy Action Plan and will require companies to create passports for certain products. The digital product passport summarises information about the components, materials and chemical substances, but also about repairability, spare parts or professional disposal of a product." page 54

Digitalization for Sustainability (D4S), 2022: Digital Reset. Redirecting Technologies for the Deep Sustainability Transformation. Berlin: TU Berlin.

## At the heart of regenerative design is creative problem-solving rather than profit maximisation.

"A deep sustainability transformation requires fundamental changes in digital governance and the organisation of economic sectors"

Digitalization for Sustainability (D4S), 2022: Digital Reset. Redirecting Technologies for the Deep Sustainability Transformation. Berlin: TU Berlin.



- Craugastor myllomyllon A Guatemalan frog
- Spined dwarf mantis Italy
- Scleria chevalieri Senagalese plant
- Hawai'i yellowwood
- Cuban palm tree Roystonea stellate
- Jalpa false brook salamander Guatemala
- Faramea chiapensis Mexican plant
- Euchorium cubense Cuban plant
- Banara wilsonii Cuban plant
- Aloe silicicola Madagascar plant
- Chitala lopis A large fish Java
- Eriocaulon jordanii grass Sierra Leone
- Amomum sumatranum cardamom Sumatra
- Lost shark (Carcharhinus obsoletus)
- Cora timucua lichen Florida
- Dama gazelle (Nanger dama) Tunisia

- Agave Iurida succulent, Mexico
- Falso Maguey Grande succulent Mexico
- · Eriocaulon inundatum Senegal
- Persoonia laxa shrub Australia
- Nazareno (Monteverdia lineata) plant, Cuba Wynberg conebush – plant, South Africa
- Wolseley conebush plant, South Africa
- Schizothorax saltans fish Kazakhstan
- Alphonsea hortensis, Sri Lankan tree species
- Lord Howe long-eared bat (Nyctophilus howensis)
- Deppea splendens plant, Mexico
- Pass stubfoot toad (Atelopus senex) Costa Rica
- Pseudoyersinia brevipennis praying mantis, France

- 32 orchid species in Bangladesh
- 9 orchid species from Madagascar
- Smooth handfish, Tasmania
- 65 North American plants
- 22 frog species Central and South America
- Chiriqui harlequin frog Costa Rica
- Poison frog (Oophaga speciosa) Panama
- Simeulue Hill mynas bird
- 15 percent of mite species of the world's 1,25 million mite species.

- Barbodes disa freshwater fish, Philippines
- Barbodes truncatulus freshwater fish, Philippines
- Barbodes pachycheilus freshwater fish, Philippines
- Barbodes palaemophagus freshwater fish, Philippines
- Barbodes amarus freshwater fish, Philippines
- Barbodes manalak freshwater fish, Philippines
- Barbodes clemensi freshwater fish, Philippines
- Barbodes flavifuscus freshwater fish, Philippines
- Barbodes katolo freshwater fish, Philippines
- Barbodes palata freshwater fish, Philippines
- Barbodes baoulan freshwater fish, Philippines
- Barbodes herrei Ifreshwater fish, Philippines
- Barbodes lanaoensis freshwater fish, Philippines
- Barbodes resimus freshwater fish, Philippines
- Barbodes tras freshwater fish, Philippines

Latest Issues

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CONSERVATION | OPINION

### What We've Lost: The Species Declared Extinct in 2020

Dozens of frogs, fish, orchids and other species—many unseen for decades—may no longer exist because of humanity's destructive effects on the planet

By John R. Platt on January 13, 2021

"A few months ago a group of scientists warned about the rise of "extinction denial" an effort much like climate denial to mischaracterize the extinction crisis and suggest that human activity isn't really having a damaging effect on ecosystems and the whole planet."

UN Report: Nature's Dangerous Decline 'Unprecedented'; Species Extinction Rates 'Accelerating'

Sea turtles have been around since dinosaurs roamed the earth, more than 100 million years! They're airbreathing reptiles who inhabit tropical and subtropical ocean waters throughout the world.



Current global response insufficient;
'Transformative changes' needed to restore and protect nature;
Opposition from vested interests can be overcome for public good
Most comprehensive assessment of its kind;
1,000,000 species threatened with extinction

#### **Ecocentrism:**

valuing nature for its own sake

### Anthropocentrism:

valuing nature
because of
material or physical
benefits it can
provide for
humans.

## SUSTAINABLE GALS































