

www.gofamily.be



Tim Sterckx

Helping companies reduce their "Digital Carbon Footprint". 🌍 Proud co-founder of Go Family, an ec...



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Goldensee all and a second sec

Why Sustainaability?

Using IT to create an impact



WHY GREEN IT?

Frankrijk loopt voorop met reparatie-index voor elektronische producten

SUSTAINABILITY - In Frankrijk moet vanaf januari 2021 een aantal elektronische producten worden voorzien van informatie over de herstelbaarheid op een schaal van 1 tot 10. av occeveer 2020



Amsterdam mist nieuwe kabelfabriek door stroomtekort



Datacenters vreten heel wat energie in Amsterdam. De krapte aan stroom dwingt een fabrikant van zeekabels een productiesite in de provincie Groningen te bouwen. ©ANP

BAS KURSTJENS | 24 mei 2022 07:45

De Nederlandse hoofdstad worstelt met opstoppingen op het elektriciteitsnet door de komst van grote datacenters, waardoor de fabrikant van zeekabels TKH besluit zijn nieuwe fabriek niet in de

ENERGIE

'De hoofdstad komt als een piepende trein tot stilstand'

Oria McDonald Joris Poiman 6 mei 12:00

In het Westelijk Havengebied verrijst het grootste datacenter van Amsterdam. Mede daardoor moeten bedrijven op elektriciteitsrantsoen, stagneert de vergroening van de stad en staan woningbouwprojecten op losse schroeven: 'Amsterdam gaat op slot.'



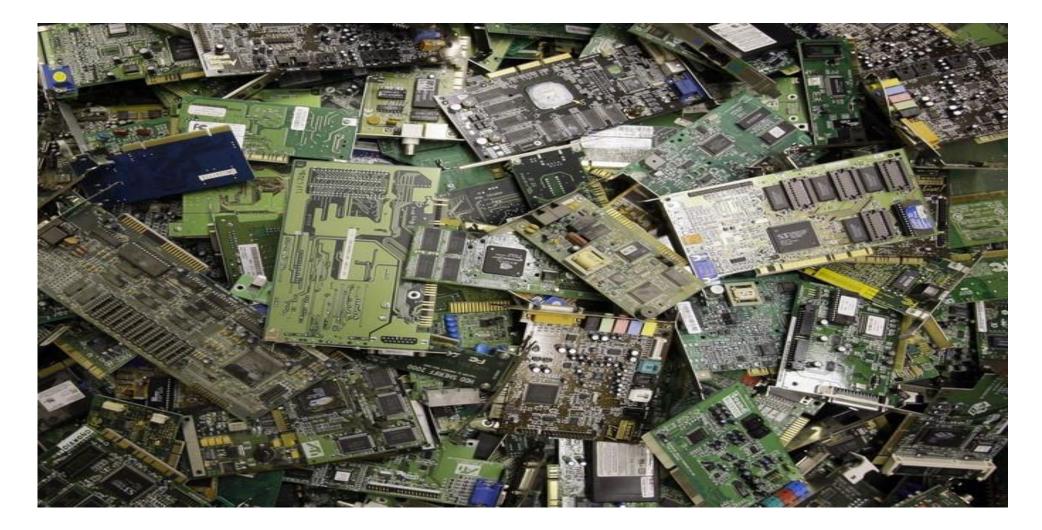


TECHNOLOGIE

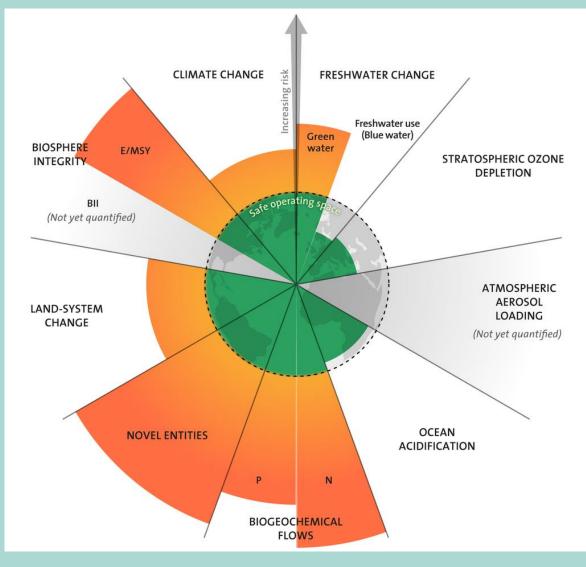
Als de chipindustrie groeit als voorspeld, loopt de CO2uitstoot volledig uit de hand

- Groei chipsector verhoogt uitstoot CO2
- Marc Hijink
 18 mei 2022

This is not "green IT"



We are living over the edge of our planetary boundaries



https://www.stockholmresilience.org/research/planetary-boundaries.html

The top 4 risks in the report are climate related, and there are 6 environmentals risks in total. Global Risks Report 2023

Top 10 Risks

"Please estimate the likely impact (severity) of the following risks over a 2-year and 10-year period"

2 years

1

2

3

4

5

6

7

8

9

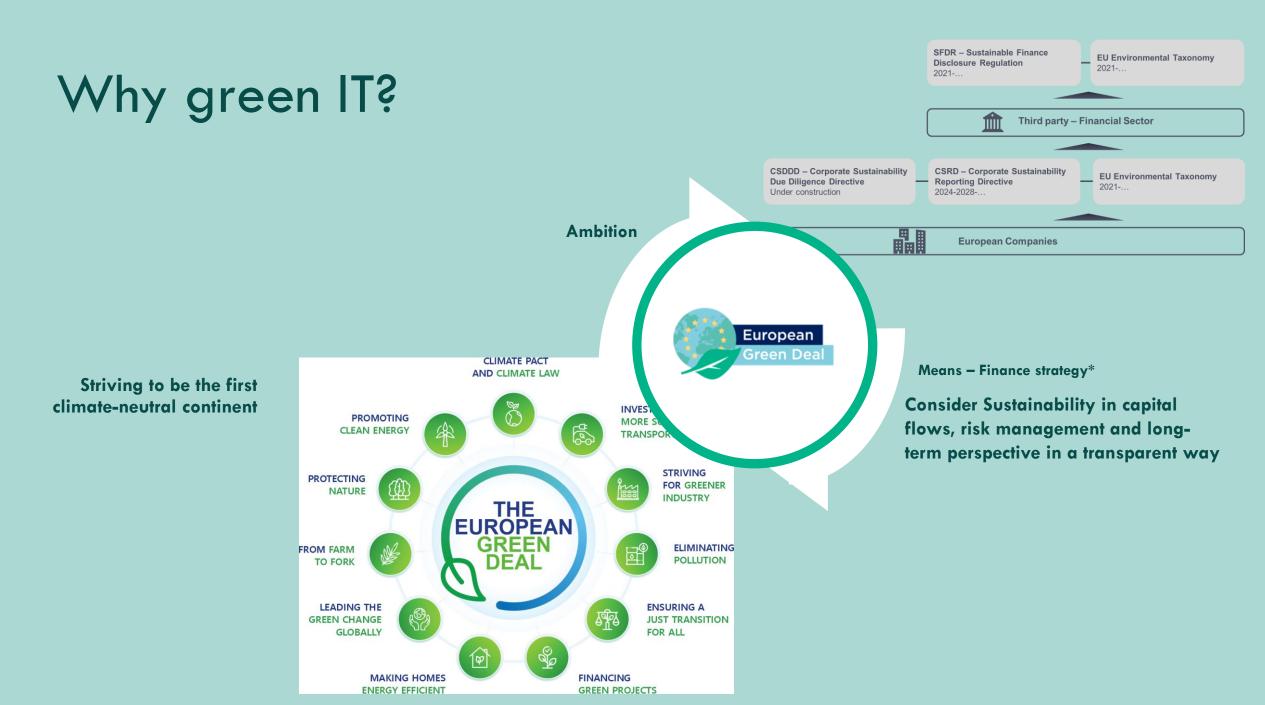
10

Cost of living crisis	1	Failure to mitigate climate change					
Natural disasters and extreme weather events	2	Failure of climate-change adaption					
Geoeconomic confrontation	3	Natural disasters and extreme weath events					
Failure to mitigate climate change	4	Biodiversity loss and ecosystem collaps					
Erosion of social cohesion and societal polarization	5	Large-scale involuntary migration					
Large-scale environmental damage incidents	6	Natural resource crises					
Failure of climate-change adaption	7	Erosion of social cohesion and societa polarization					
Widespread cybercrime and cyber insecurity	8	Widespread cybercrime and cyber insecurity					
Natural resource crises	9	Geoeconomic confrontation					
Large-scale involuntary migration	10	Large-scale environmental damage incidents					

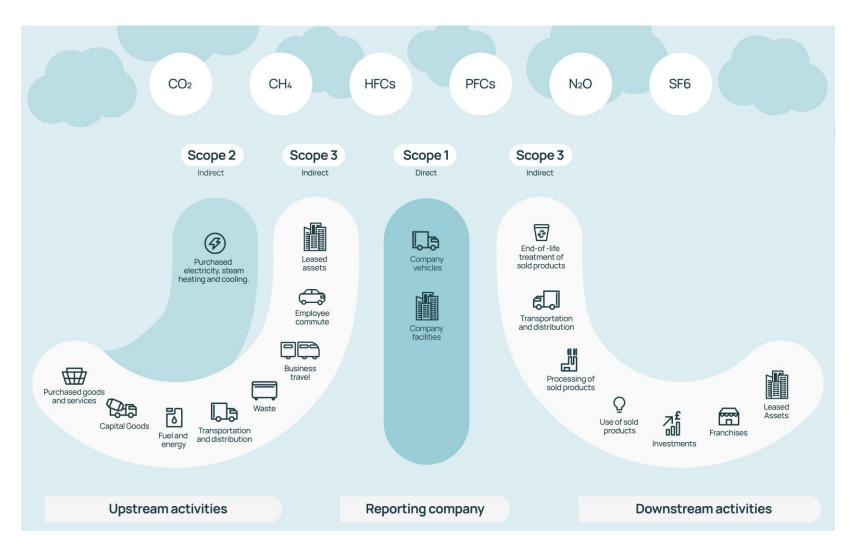
10 years

Source: World Economic Forum, Global Risks Perception Survey 2022-2023





Scope 1, 2 and 3



[Draft] ESRS E1 Climate change

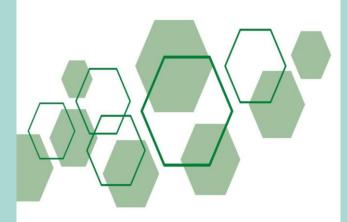
AR 46. The total GHG emissions disaggregated by Scopes 1 and 2 and significant Scope 3 shall be presented according to the table below.

be presented acco	ording to the tab	le below.								
	Retro	spective		Mi	estones	and target y	/ears			
	Base year Comp rative	N	% N / N-1	2025	2030	(2050)	Annual % targe / Base year			
Scope 1 GHG emissions							,			
Gross Scope 1 GHG emissions (tCO ₂ eq)								i		
Percentage of Scope 1 GHG emissions from regulated emission trading schemes (%)										
Scope 2 GHG emissions										
Gross location-based Scope 2 GHG emissions (tCO ₂ eq)										
Gross market-based Scope 2 GHG emissions (tCO ₂ eq)										
Significant scope 3 GHG	emissions*									
Total Gross indirect (Scope 3) GHG emissions (tCO ₂ eq)										
Purchased goods and services										
[Optional sub-category: Cloud computing and data centre services										
Capital goods]	Sig	aific	ant	ecr	no	3 G	HC	ami	eei	01
Fuel and energy-related activities	Jugi	inic	ant	360	pe	3 6		GIIII	1991	U
Upstream leased assets	Total	Groo	o ind	diroc	1/50	ono				
Waste generated in operations		Total Gross indirect (Scope 3) GHG emissions (tCO ₂ eq)								
Processing of sold products	3) Gr	-IG er	niss	ions	(ICC	$v_2 eq$				
Use of sold products										
End-of-life treatment of sold products		Purchased goods and								
Downstream leased assets		-								
Franchises					ser	vices				
Upstream transportation and distribution		Ontic	nal	cub (oato	aon/				
Downstream transportation and distribution		[Optional sub-category:								
Business travels	Clo	ud co	mpu	iting	and	data				
Employee commuting				-						
Financial investments			C	entre	ser	vices				
Total GHG emissions		_					_			
Total GHG emissions (location-based) (tCO ₂ eq)										

Why green IT?

ESG Reporting – **IT CO2 emissions mandatory** for companies under CSR-Directive

ESRS E1 Climate change

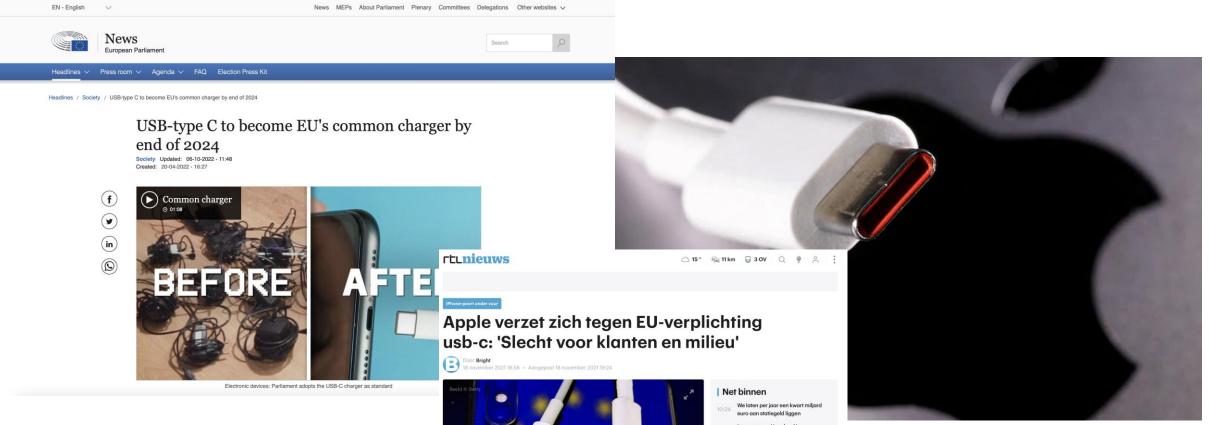


November 2022

[Draft] ESRS E1 Climate change November 2022

Legislation: pushing boundaries

Links Lightning, rechts usb-



10:18 Lavreysen en Hoogland in sprinttoernooi zesdaagse Rotterdam

Chantal wil nooit meer slachtoffer zijn 10:06 van identiteitsfraude: 'lk was wanhopig'

10:06 Legia spreekt van 'schandalige gebeurtenissen' in Alkmaar

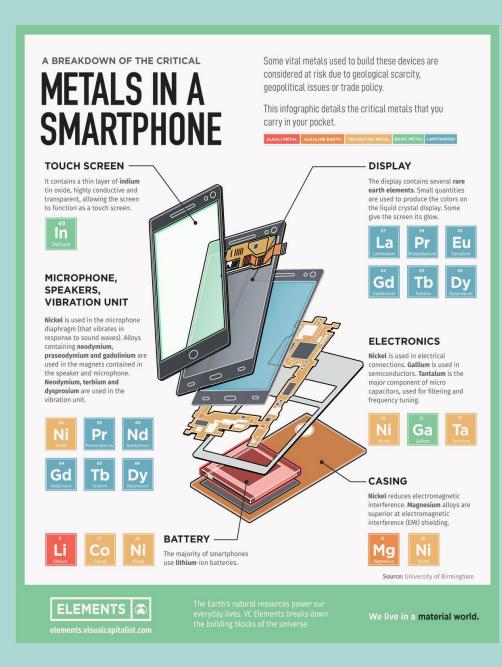
> 58 Snoeiharde conclusies over evacuatie Kaboel: Nederland te laat gehandeld

> > Meer nieuws

Digitalisation is having an impact on our planet

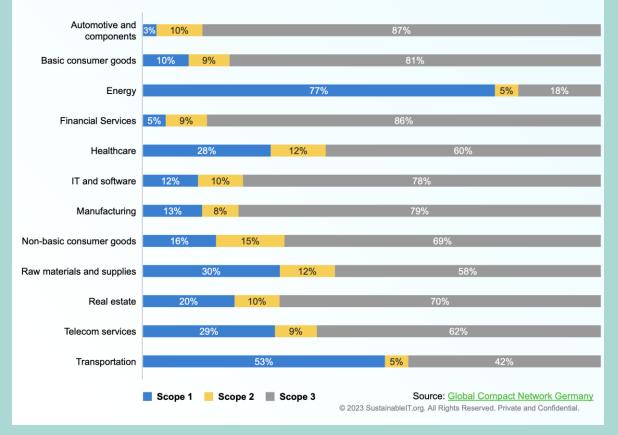
Raw materials are essential

Of the 83 rare earth elements in the periodic table, a total of 62 different types of metals go into the average mobile phone.



IT emissions are for 78% scope 3 emissions, meaning indirect or related to up- and downstream processes.

Scope 3 Emissions Dominant in Most Industries, Requiring Inter-Company Cooperation to Drive Change



Digitalization is having an impact on our planet

IT's GHG emissions are equivalent to the UK annual emissions and equivalent to the aviation industry. It is mainly linked to the stage of manufacturing.

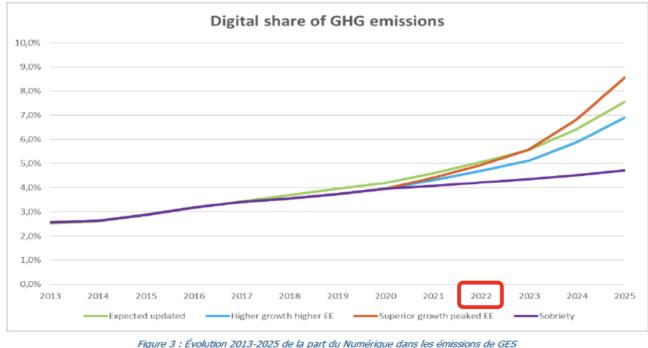
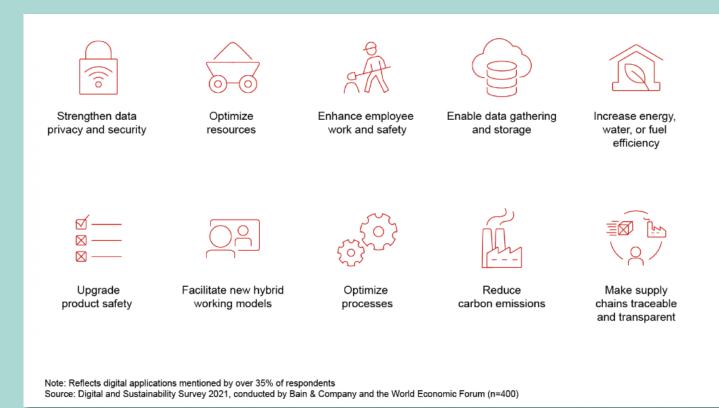


Figure 3 : Évolution 2013-2025 de la part du Numérique dans les émissions de GES [Source : [Lean ICT Materials] Forecast Model. Produit par The Shift Project à partir des données publiées par (Andrae & Edler, 2015)



Digitalization can and must also be part of the solution:

top 10 ways companies are using digital to improve sustainability



Impact of Data

DATA is having an impact on our planet

IT's GHG emissions are equivalent to the UK annual emissions and equivalent to the aviation industry. It is mainly linked to the stage of manufacturing.

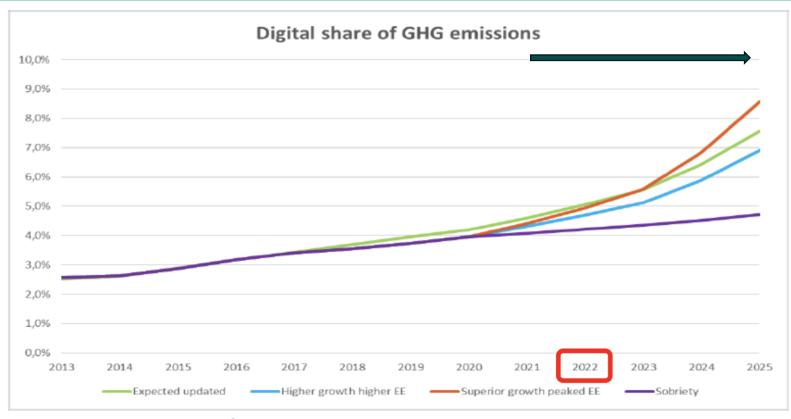
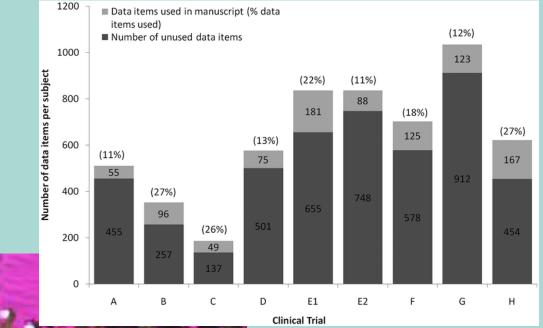


Figure 3 : Évolution 2013-2025 de la part du Numérique dans les émissions de GES [Source : [Lean ICT Materials] Forecast Model. Produit par The Shift Project à partir des données publiées par (Andrae & Edler, 2015)

There is too much unused data!







The impact of data on CO_2

1 email: 4g

1 email with attachment: 50g

1 Megabyte of data: 2 g

30mins virtual call: 18g

1 Google search: 0,2 g

1 ChatGPT question: 3 g (Running ChatGPT= 6M € / day)

Reference: Gasoline car in EU: 120g/km



There is too much unused data!

On average an employee in a mid-sized company uses **90MB of data per minute:**

- Virtual Meetings + Calls
- Mail
- Internet
- Al

-Socials

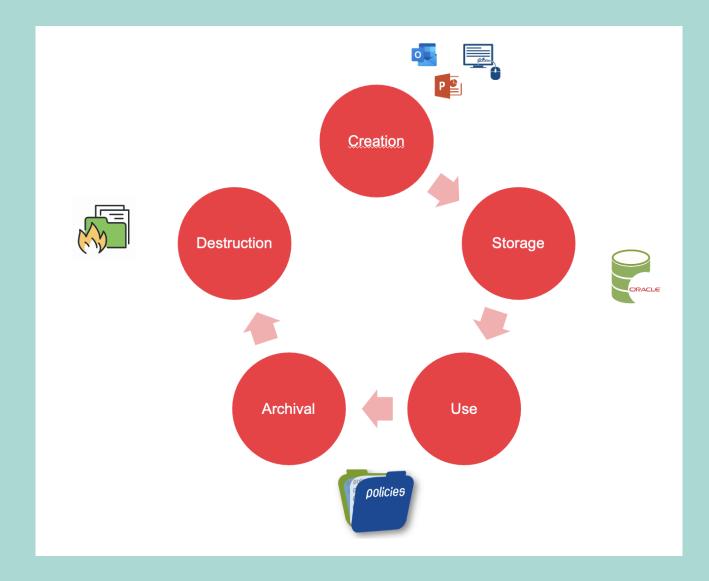
Annually: 22 TONNES CO2 / Employee

Only 10% of data **generated** will be reused.





Data life cycle management: best practice



Why Sustainable IT? Return on sustainable investment: ROSI

Financial values

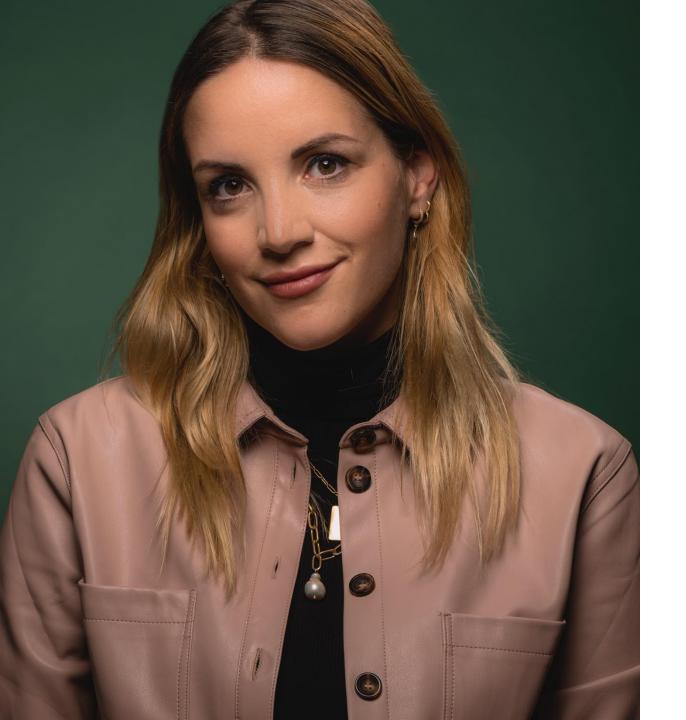
- IT cost optimization
- Costs savings from lower IT energy use
- Costs savings from longer device lifecycles
- Costs savings from lower business energy use
- Ease of compliance with regulatory standards and requirements

Non-Financial values

- Improved brand perception
- Attractiveness to employees
- Better workforce loyalty and agility
- Lower carbon footprint
- Less e-waste

GOFOREST

www.goforest.be



Hi , I'm Sarah & . Nice & to meet you!

Co-founder & Chief Ecological Officer (CEO)

Go Forest & Go Ocean

We plant trees with impact. We restore oceans.

www.goforest.org | sarah@goforest.be

GOOCEAN

Co-Founder

GO SMART /DIGITAL

Co-Founder



REDUCE



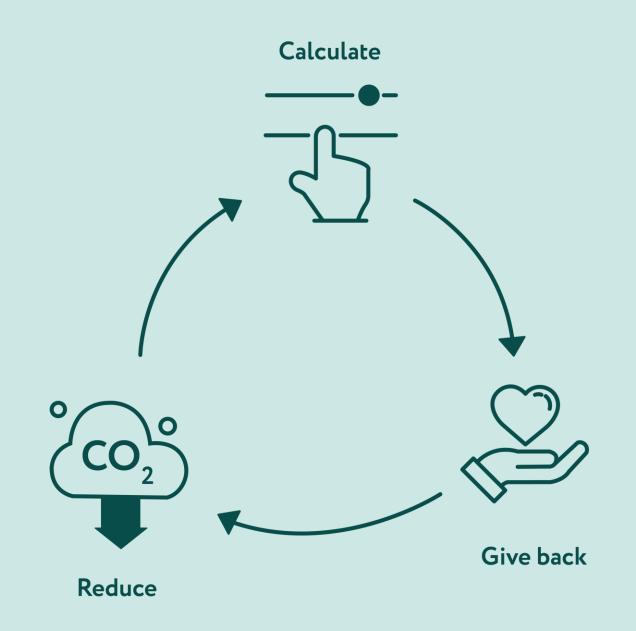
GIVE BACK





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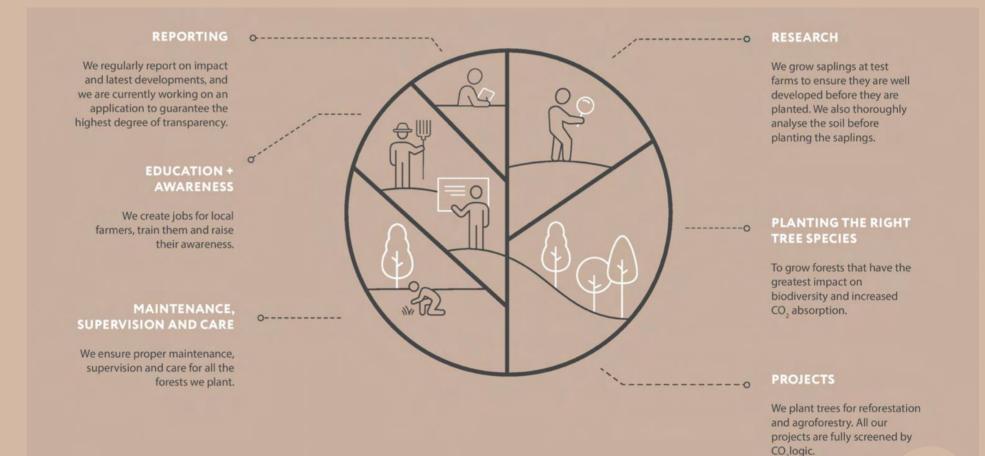




Giving back to the planet



We don't only plant trees, we make sure they grow.



www.goforest.org | sarah@goforest.be



WHERE DO WE PLANT

www.goforest.org | sarah@goforest.be



REFORESTATION & AGROFORESTRY IN PERU





www.goforest.org | sarah@goforest.be

REFORESTATION IN BELGIUM



www.goforest.org | sarah@goforest.be

AGROFORESTRY & MANGROVE PLANTING IN MADAGASCAR



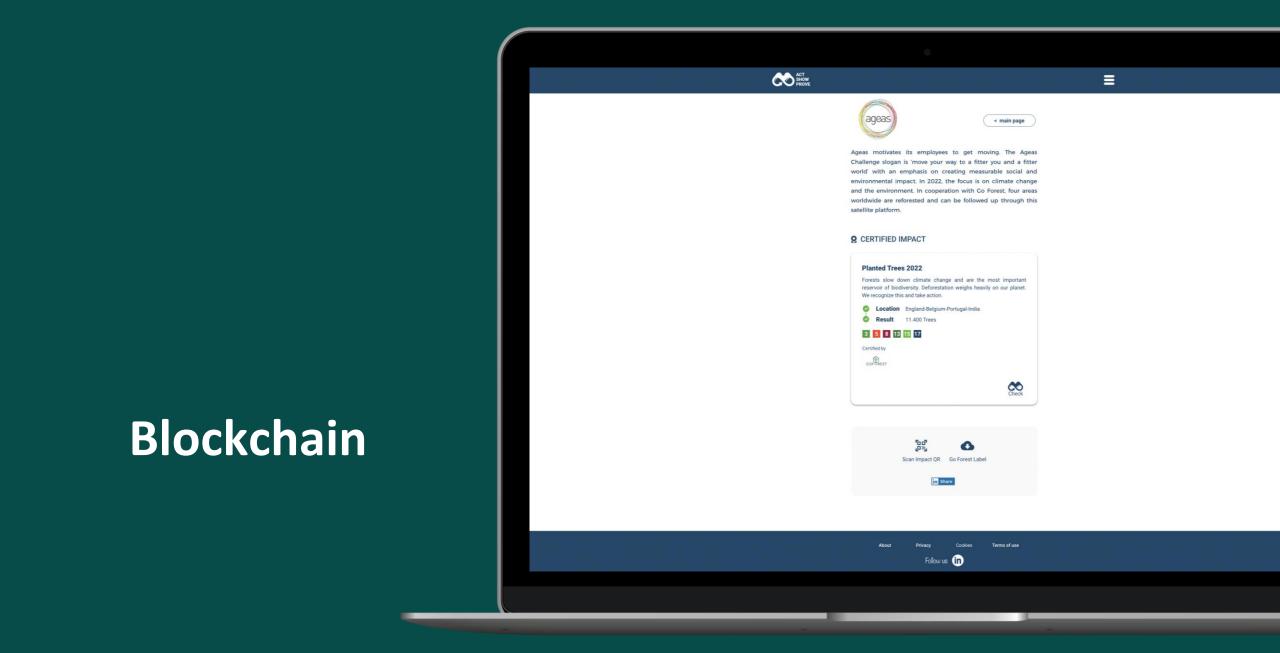
Are we the netflix of the trees?

- → More than 500 members
- → à la carte
- ➔ Going from one-off support to monthly membership
- → From €2 per tree, including monitoring and 30 years of maintenance
- → Planting in more than **17 countries**
- ➔ Forest and ocean restoration
- → Digital tools for reporting and communication
- → Blockchain to register year results
- ➔ (Y)our Storytelling

BECOME A BADASS EXAMPLE IN THE MARKET



TECHNOLOGY FOR INVOLVEMENT



POWFR OF TECHNOLOGY

Geodata management with satellite imagery





Projects

Below, you can explore the Go projects and discover how our projects reduce negative impacts and/or give back to people and nature.

Q Search



Your own impact dashboard

COFOREST Forest corridors in Brazil (framework planting)









Reforestation in the Democratic Republic of Congo



YOUR Company

Partners with









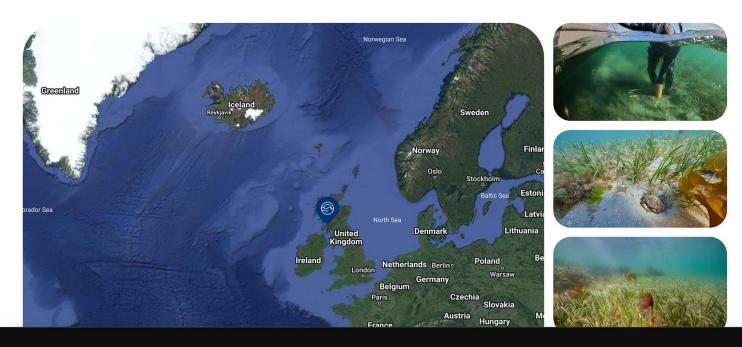
GOOCEAN

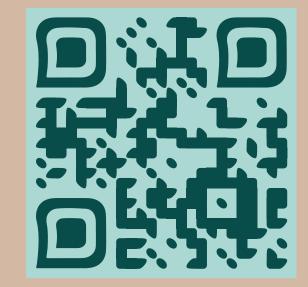
Seagrass meadow restoration in the United Kingdom

O Loch Craignish, United Kingdom

Seagrasses are the only flowering plants that can live underwater. Just like plants on the land, they have leaves, stems, roots, and photosynthetic activity. The plants' long but strong leaves form dense meadows under the sea.

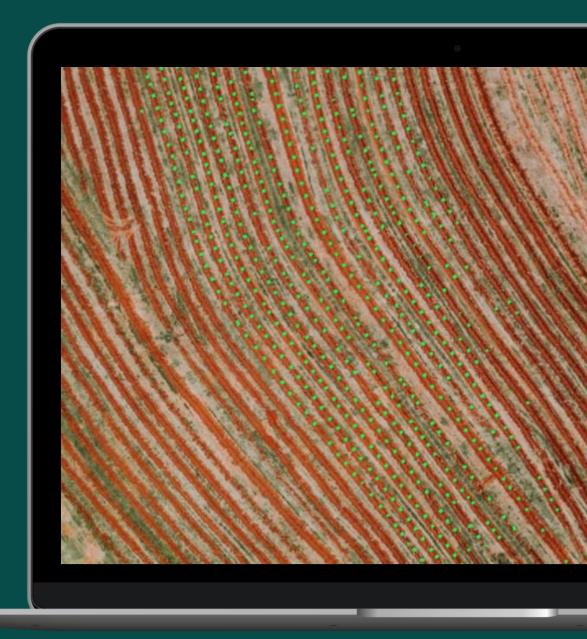
With the seagrass meadow restoration project, in cooperation with Seawilding, we are trying to rebuild damaged seagrass m ...Read more





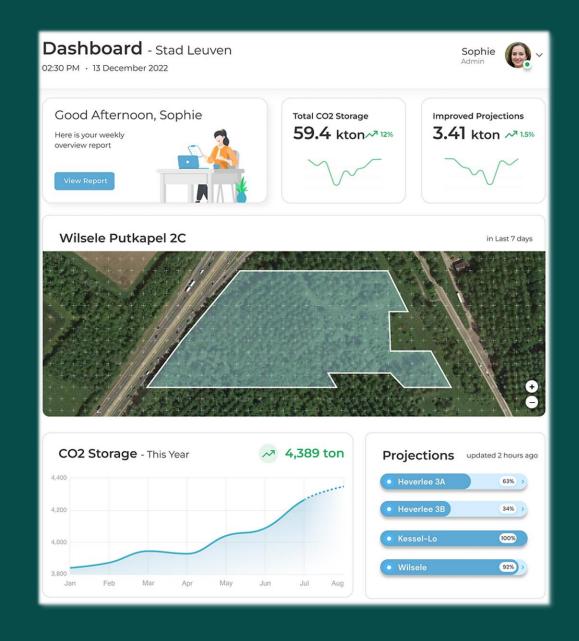


Counting trees with drone images and AI





Carbon sequestration data



FCHNOLOGY



Communication Support





















Reforestation project

A total of 1500 trever are planted here to diversity the species and optimize the neural regeneration of might ense. Included: 500 cheatnut trees, 500 insule cake, and 500 red cake. This diversity increases the ecception benefits and the sustainability of the forest.

To help the owner to strengthen this forest, Go Forest partnered with Atrudius. The project was managed by forestry company Sylva Nova and its plantation partnere.

Thank you for greening up our planeti





Sarah Parent

Chief Ecological Officer & Co-Founder



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