



CENTRE FOR
CYBER SECURITY
BELGIUM

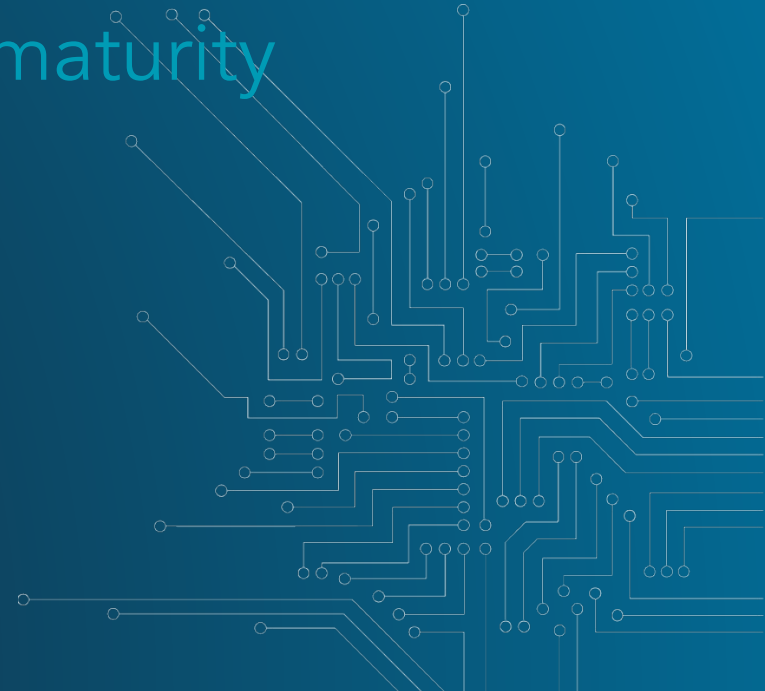
2023

Centre for Cybersecurity Belgium

How to raise the cyber security maturity
of companies in Belgium

Miguel De Bruycker

Managing Director General CCB



Cyber security @ board

- Are your risks under control?
 - Operational
 - Reputation
 - Financial / Rating
 - Legal/compliance
 - Miss Opportunities
- Reporting of Key Risk Indicators (KRI)
 - How are you doing compared to others in your sector?
 - How resilient are you?
 - How vulnerable are you?



You are not a victim
because of who you are

Cyber security @ board



- NIS 2 : Bestuursorganen beheren cyberbeveiligingsrisico's
 - Genomen maatregelen goedkeuren
 - Toezien op de uitvoering ervan
 - Aansprakelijk worden gesteld
 - Een opleiding volgen (risico's en beheerspraktijken beoordelen)
 - Moedigen soortgelijke opleiding aan voor hun werknemers

EU-NIS

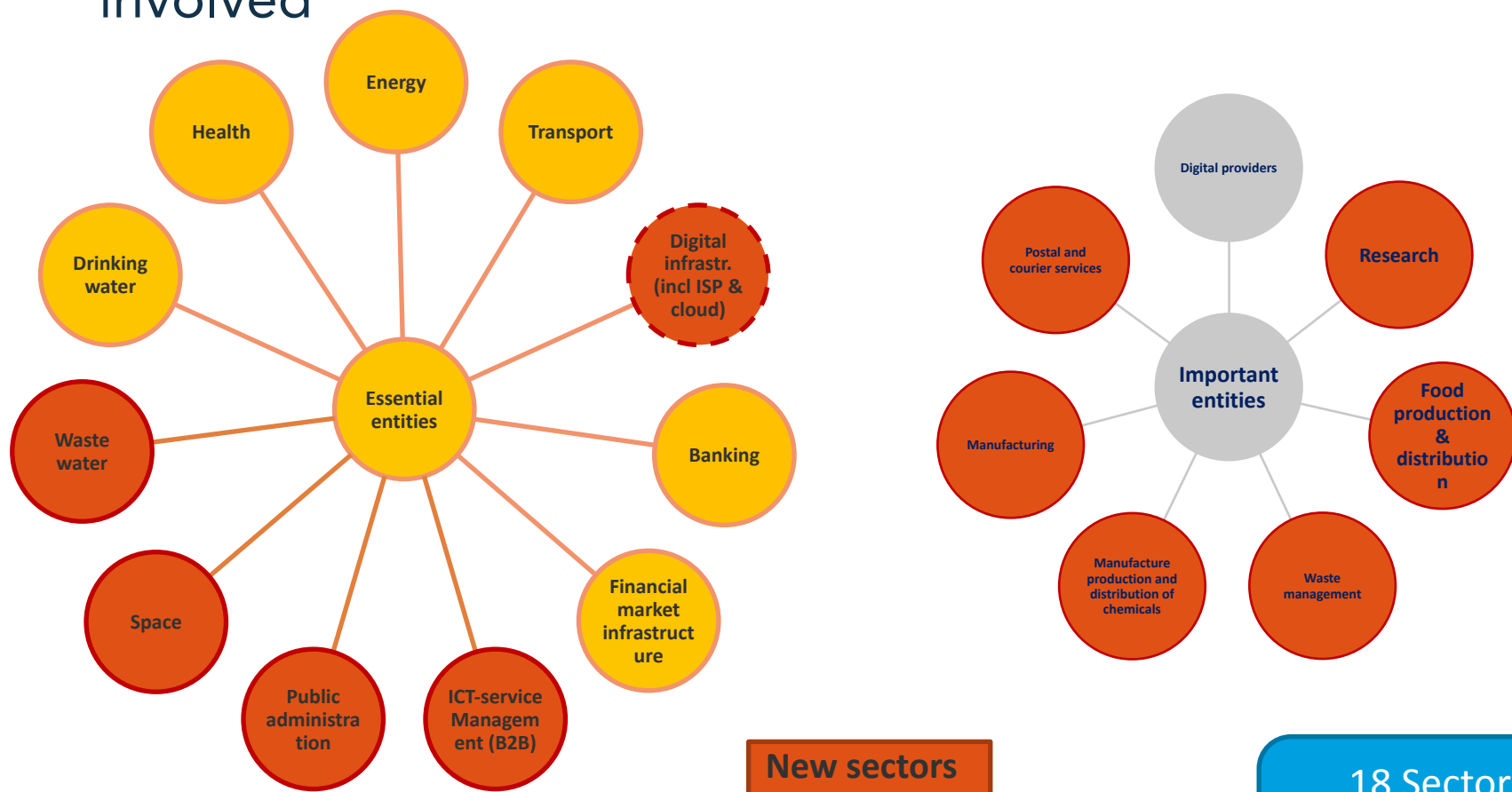
DRAFT

EU ☐ CCB Solution



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NIS 1 □ NIS 2 means much more sectors and entities involved



18 Sectors
800 Essential
1600 Important

Main selection mechanism via size-cap

	Entities of Annex I					
(Staff) FTE	<10 M€	10 – 50 M€ (43 M€)	> 50 M€ (43 M€)	Pub Admin (Federal) + DNS, TLD	Pub Admin (Federated after identification)	Electronic netw. provider
0-49	Out of Scope	Important	Essential	Essential	Important	Important
50-250	Important	Important	Essential	Essential	Important	Important
>250	Essential	Essential	Essential	Essential	Important	Essential
	Entities of Annex II					
(Staff) FTE	<10 M€	10 – 50 M€ (43 M€)	> 50 M€ (43 M€)			
0-49	Out of Scope	Important	Important			
50-250	Out of Scope	Important	Important			
>250	Out of Scope	Important	Important			

Identification & Registration (before 17 Jan 2025)

- Size-cap mechanism (with some exceptions) + activities included in one of the two annexes - medium-to-large-sized entities
 - CCB Guidance
- Additional identification within the existing sectors at the national level
 - By CCB or Sectorial Authorities

NL FR DE EN

Other information and services of the government: www.belgium.be 



Centralised registration on Safeonweb.be

[Sources](#) [Support](#) [About us](#) [Contact](#)

A FREE SERVICE FOR BELGIAN COMPANIES AND ORGANISATIONS

**Make Belgium one of the
least cyber-vulnerable countries in
Europe together**



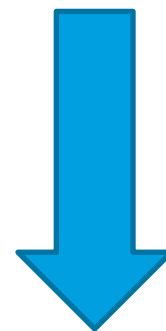
CCB Standard Risk Assessment

Default Risk Assessment per Sector & Size ☐ appropriate Cyber Fundamentals Level



Version: 2023-08-03

Energy			Common skills		Common skills		Common skills		Extended Skills		Extended Skills			
Organization Size (L/M/S = 3/2/1)			Threat Actor Type		Competitors		Ideologues Hactivists		Terrorist		Cyber Criminals		Nation State actor	
Cyber Attack Category			Global or Targetted	Impact	Prob	Risk Score	Prob	Risk Score	Prob	Risk Score	Prob	Risk Score	Prob	Risk Score
Sabotage/ Disruption (DDOS,...)			2	High	Low	0	Low	0	Med	30	Med	30	High	60
Information Theft (espionage, ...)			2	High	Low	0	Low	0	Low	0	High	60	High	60
Crime (Ransom attacks)			1	High	Low	0	Low	0	Low	0	High	30	Low	0
Hactivism (Subversion, defacement...)			1	Med	Low	0	Med	7,5	Low	0	Low	0	Med	7,5
Disinformation (political influencing)			1	Low	Low	0	Med	0	Low	0	Low	0	Low	0
Total			Total	Total		0		7,5		30		120		127,5
												Score	CyFun Level	
												285	ESSENTIAL	



CCB Standard Cybersecurity risk-management measures

- 4 International Standards + CCB/CERT.be incident experience

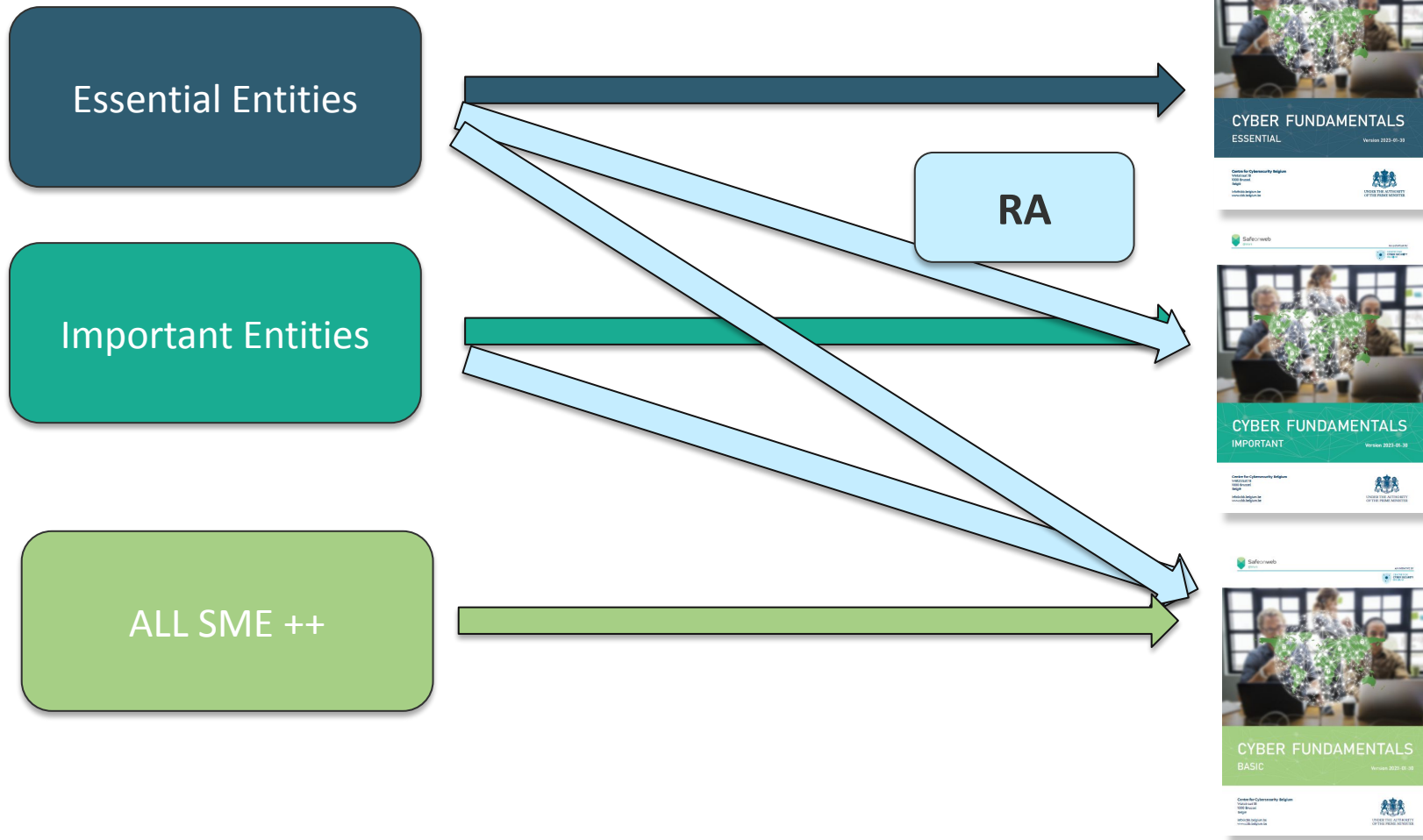


82%

94%

100%

Risk assessment (RA) impact



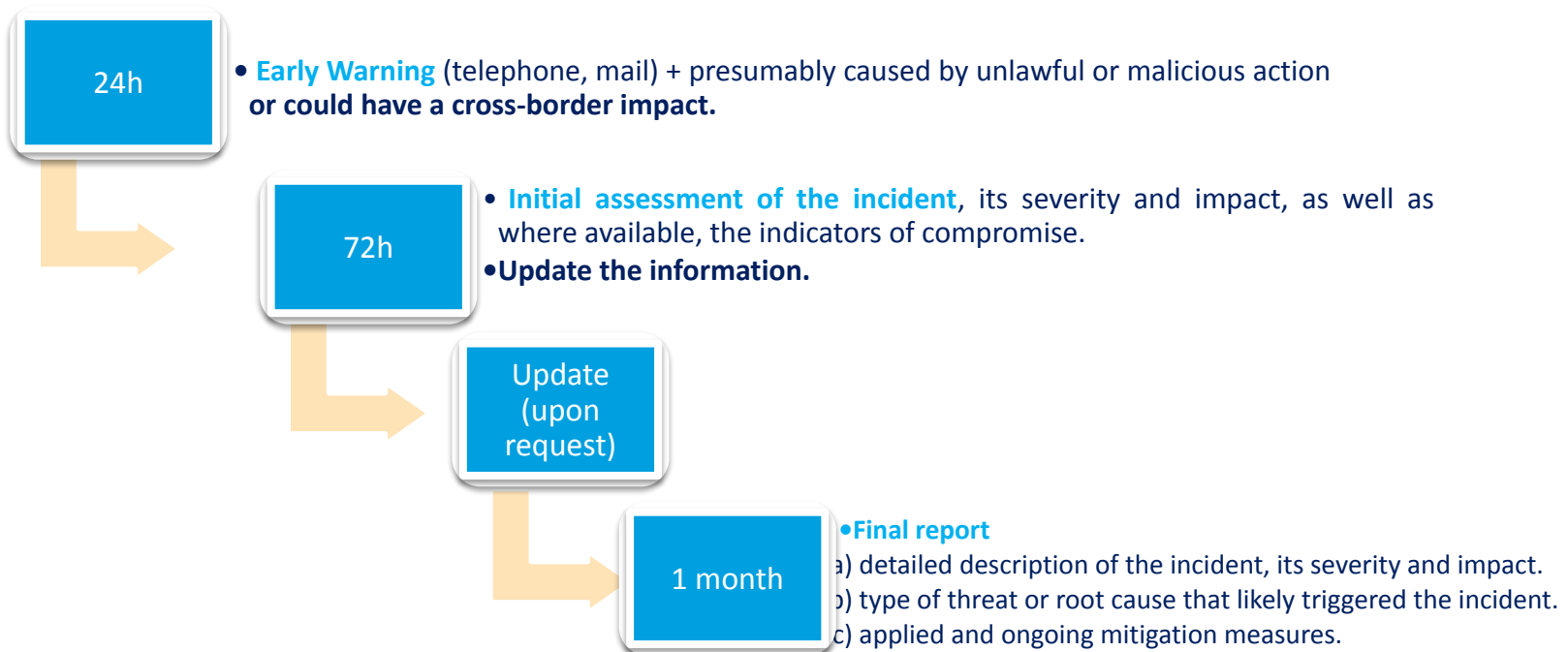
Supervision Model Essential entities

- Supervision by trained professionals based on recognized standards
 - Regular audits by an independent body or a competent authority
 - Cyfun or ISO27001 attestation (certification or label)
by an accredited Conformity Assessment Body (CAB)
approved by the CCB on the basis of BELAC accreditation
 - Option : Inspection by CCB
 - *Optional: additional sectoral requirements: supervision by the sectoral authority*
-

Supervision Model Important entities

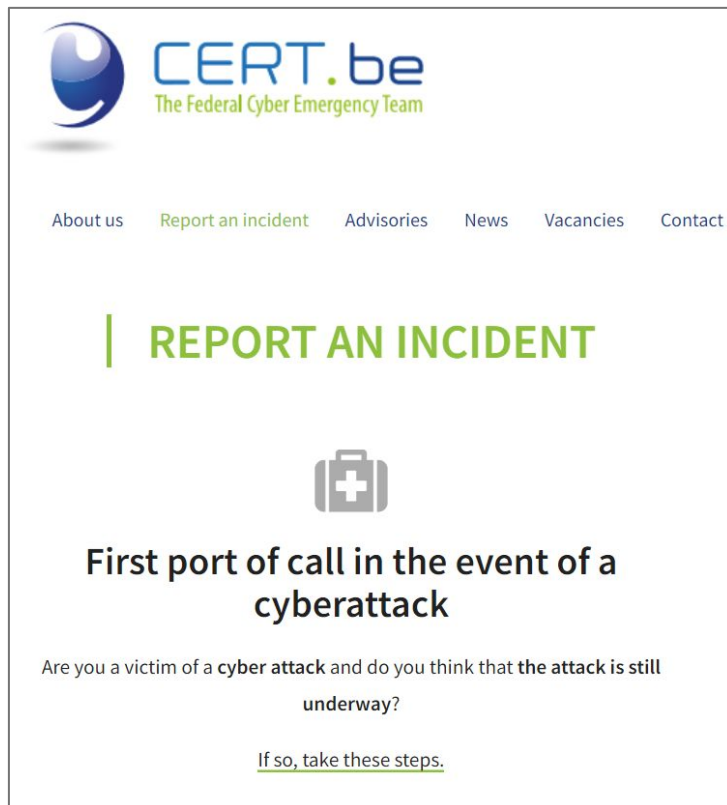
- Supervision by trained professionals
- Targeted and ad-hoc audits by an independent body or a competent authority
- May benefit from this presumption of conformity Cyfun or ISO27001
- Ex-post inspections by the inspection service CCB
- *Optional: additional sectoral requirements: supervision by the sectoral authority*

NIS-2 Incident Notification -> without undue delay



Incident notification & handling

- Simple procedure



Procedure (TBD)
E-mail cert@cert.be
Phone 02/501 05 60

Supported by NCCN



Informing SA

Cyber Fundamentals Strengths

- ✓ Het cyber veiligheidsniveau van de supply chain kan gemakkelijk en uniform beoordeeld worden
- ✓ Eén systeem te onderhouden voor alle duizenden entiteiten
- ✓ Entiteiten die actief zijn in meerdere sectoren krijgen één basissysteem
- ✓ Oplossing alle sectoren, ook zonder cybersecurity-mature sectorale overheid
- ✓ Lage kost Risk Assessment en Veiligheidsplan
- ✓ Effectieve en efficiënte supervisie (lage Gov kost)

Cyber Fundamentals Strengths

- ✓ Er is een gecontroleerde en erkende methode voor het beheer van de verantwoordelijkheden van board members
- ✓ Verzekeringen hebben een referentiekader (betere dekking vs prijs)
- ✓ Cross-sector opleidingen, trainingen en oefeningen
- ✓ Interesse voor Internationale erkenning □ grensoverschijddend

AtWork.Safeonweb.be □ Reporting & Warning □ half november



WARNING

7.000
Spear Warnings
(2023)

Belgian Cyber Security Incident Response Team



CALL US
CERT 02/501 05 60

Security is often linked to identity

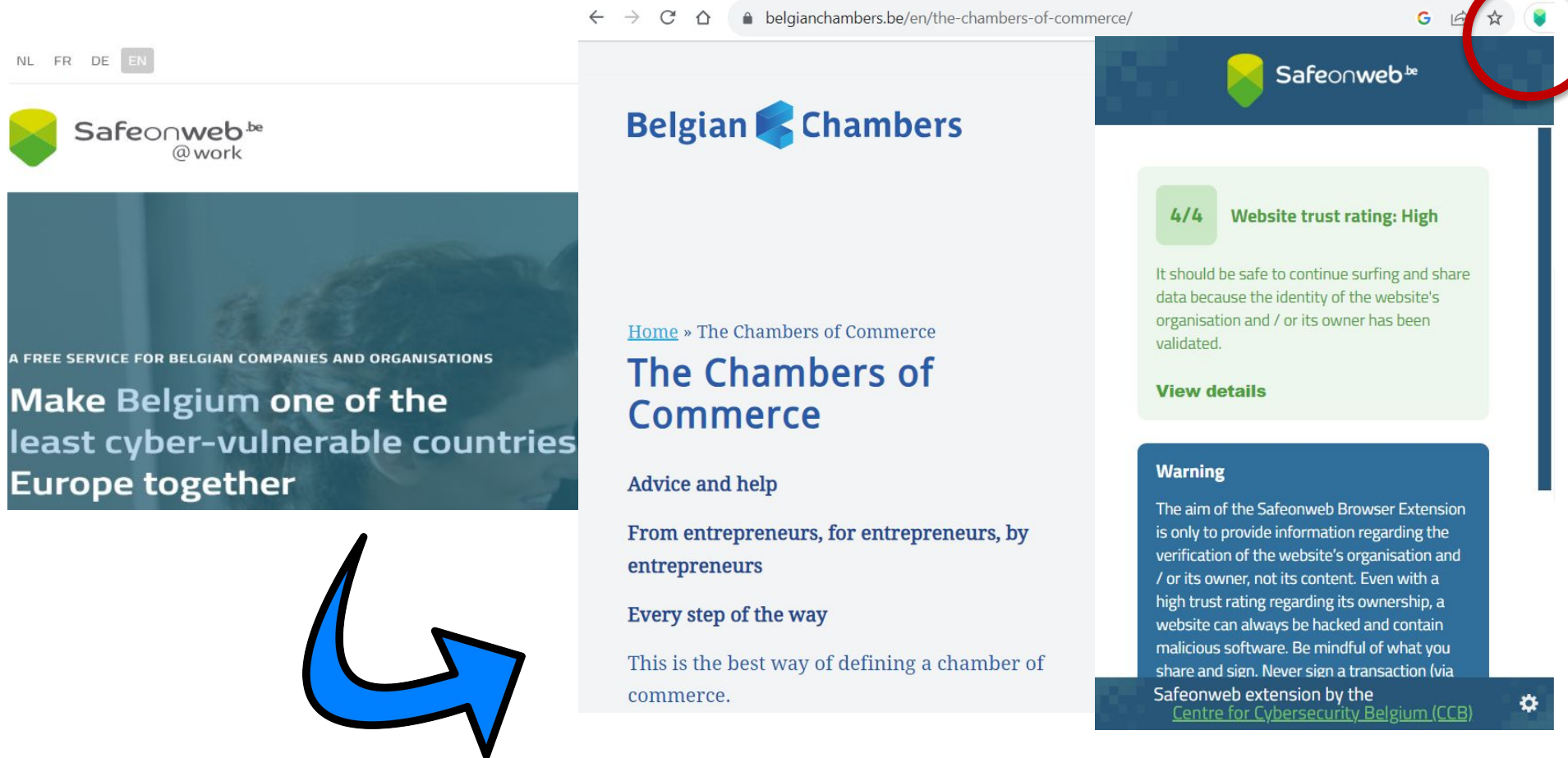
- There is no global and integrated digital identity
- Artificial Intelligence driven Deep fakes will make it even more difficult

Officialize “Anonymity”
+ make visible
“Validated Identity”



I am not Morgan Freeman and what you see is not real ...

Safeonweb Browser Extension ☐ 16 October 2023



The image shows a screenshot of the Belgian Chambers of Commerce website (belgianchambers.be/en/the-chambers-of-commerce/) with a Safeonweb browser extension overlay. The extension is installed and active, displaying a 'Website trust rating: High' (4/4) and a 'Warning' message. A large blue arrow points from the extension's warning message to the main content of the website.

Safeonweb @work

Belgian Chambers

[Home](#) » The Chambers of Commerce

The Chambers of Commerce

Advice and help

From entrepreneurs, for entrepreneurs, by entrepreneurs

Every step of the way

This is the best way of defining a chamber of commerce.

Website trust rating: High (4/4)

It should be safe to continue surfing and share data because the identity of the website's organisation and / or its owner has been validated.

[View details](#)

Warning

The aim of the Safeonweb Browser Extension is only to provide information regarding the verification of the website's organisation and / or its owner, not its content. Even with a high trust rating regarding its ownership, a website can always be hacked and contain malicious software. Be mindful of what you share and sign. Never sign a transaction (via [Safeonweb extension by the Centre for Cybersecurity Belgium \(CCB\)](#))

Thank you

info@ccb.belgium.be



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