CYBER SECURITY
COALITION.be

ACTIVITY REPORT **2018**

Building a strong cyber security ecosystem

FOREWORD

As organizations turn digital, even the most advanced ones are potential victims of a cyber attack. How we work with or against each other can be a tremendous accelerator or barrier to achieving digital resilience and maximizing the potential of the digital economy.

This is what the Cyber Security Coalition stands for: to reinforce our national cyber security resilience by joining skills and expertise across sectors. Sharing know-how about cyber security capabilities is invaluable and helps us all to better protect ourselves against and respond to cyber incidents.

The Coalition continues to grow as a community. In the course of 2018, three new operational focus groups have been created — on Cloud Security, Crypto and Enterprise Security Architecture — where peers meet in a trusted platform to exchange best practices, be challenged and gain new ideas. We also welcomed several new members from all three sectors – private, public, and academic.

In addition, we can look back on some other substantial accomplishments from 2018. Five experience sharing sessions were established on dedicated topics such as Security Applications, Regulatory Frameworks, Cloud Security, Cyber Talents and Innovations in Cyber Security. Moreover, for the second time in a row, the Coalition co-organized the Cyber Security Convention. During these networking sessions, members were able to leverage the experience of expert speakers and testimonials from peers.

We have not been idle in the field of awareness, either. Together with the Centre for Cyber Security Belgium, we launched a national awareness campaign, 'Boost your digital health', during European Cyber Security Month in October. This campaign, which was also recognized abroad and awarded by the SANS Institute, encourages internet users to regularly make backups and perform automatic software updates – actions which increase resistance against hackers. Furthermore, the Coalition developed several hands-on materials for small- and medium-sized enterprises, such as a 'SME Security Scan', a 'Cyber Security Basics for Starters', and a chapter on 'Handling customer personal data' was added to our Cyber Security Kit. By focusing on concrete advice and solutions, these help SMEs to better secure themselves.

The importance of joining forces in the fight against cyber crime extends beyond our border. Therefore we have endorsed the 'Paris Call for Trust and Security in Cyberspace', an international declaration on developing common principles for securing cyberspace. We will continue to actively support and engage with such international initiatives.

Our ambition for 2019 is to further grow the Coalition as a thriving, member-led cyber security ecosystem and a trust-based platform for exchange between stakeholders. Such an ecosystem is an indispensable and necessary component of a resilient digital economy.

Jan De Blauwe
Chairman Cyber Security Coalition

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Release date
December 2018

MISSION

Joining forces against cyber crime

Our mission is to bolster Belgium's cyber security resilience by building a strong cyber security ecosystem at national level.

We do so by bringing together the skills and expertise of the academic world, the **private sector** and **public** authorities on a **trust-based platform** aimed at fostering information exchange and implementing joint actions.

61
National members

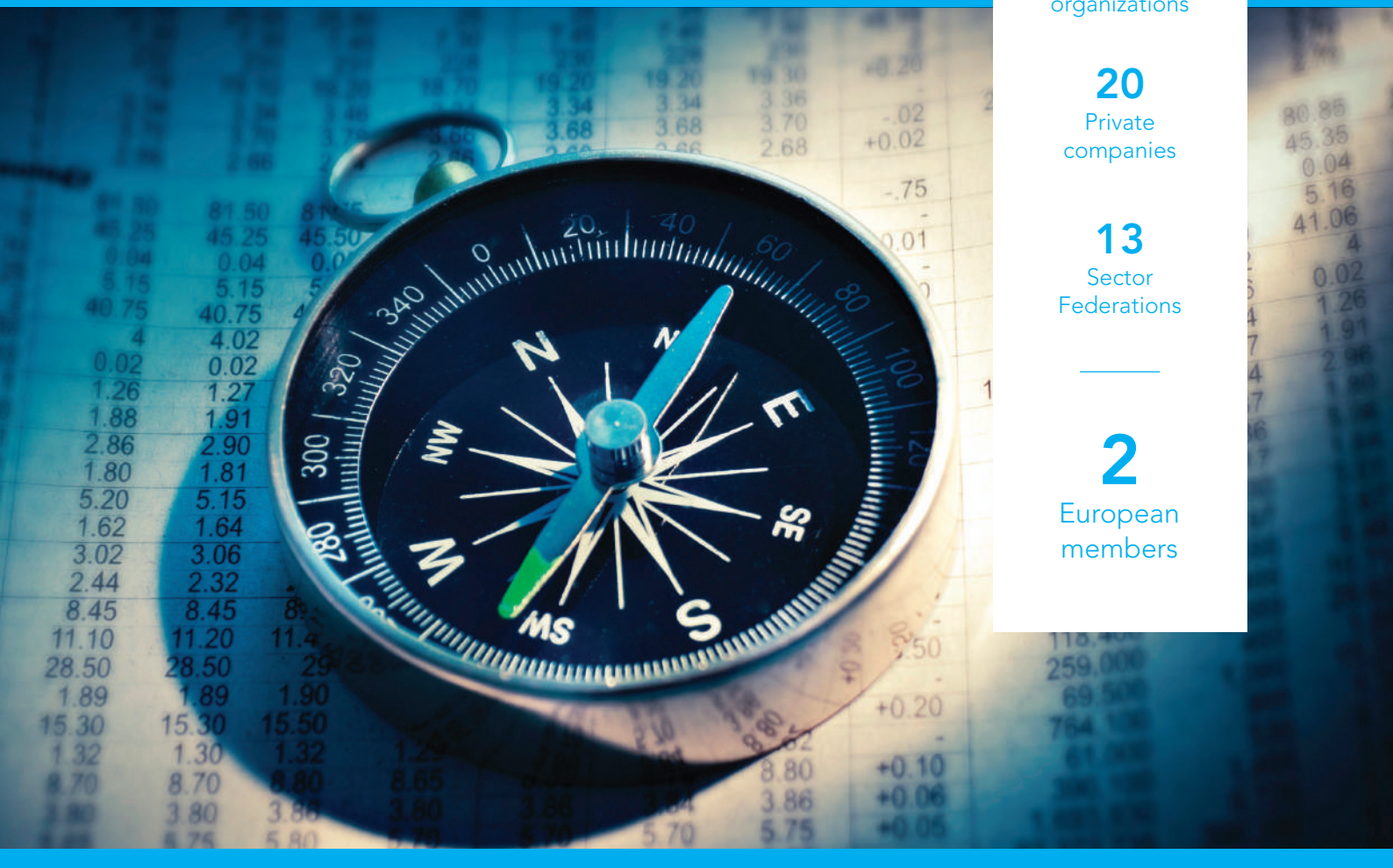
10
Academic institutions

18
Public organizations

20
Private companies

13
Sector Federations

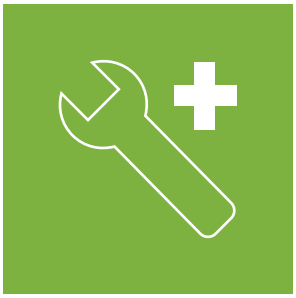
2
European members



We focus on 4 strategic domains:

EXPERIENCE
SHARING

Sharing knowledge, best practices, threats and opportunities.



OPERATIONAL
COLLABORATION

Peer-to-peer collaboration within a trusted community.

POLICY
RECOMMENDATIONS

Issuing recommendations for more efficient policies and guidelines.

AWARENESS
RAISING

Campaigns to raise awareness amongst citizens and organizations.

EXPERIENCE SHARING

The Coalition's Program Committee defines the topics, program and speakers for the Experience Sharing activities. The Committee is comprised of representatives from several member organizations.

In 2018, the Cyber Security Coalition organized **5 full-day sessions** in collaboration with our partner LSEC, each dedicated to a specific theme. **Networking**, **sharing expertise and testimonials** are central during these sessions.

21 FEB

Security Applications

hosted by KU Leuven

For which we joined forces with SecAppDev, the yearly gathering of global experts in software security.

24 MAR

Cyber Security Challenge Belgium

organized by nViso

As in the previous year, the Coalition fully supported the Cyber Security Challenge, a challenge-based game for students involving various security issues and real-life cases. More than 500 students from all Belgian universities and high schools participated in this year's edition.

26 APR

Regulatory Frameworks NIS, PSD2 and GDPR in practice

hosted by VBO-FEB

Diving deeper into new European Directives that have a huge impact on member state governments, critical infrastructure operators, and suppliers of cyber security products and services.

14 JUN

Cloud Security

hosted by the Walloon Parliament

With cloud becoming the mainstream computing platform, cloud security is now more crucial than ever. It is a real challenge for security professionals to keep up with the latest cloud trends and solutions.

20 SEP

The Battle for Cyber Security Talent in Belgium

hosted by AGORIA

With cyber incidents making almost daily headlines, the competition for talent in cybersecurity is stronger than ever. This day focused on the Belgian context, best practices developed in the Netherlands and at European level, data on the high demand for talent and where the talent gap poses the most risk to employers, and existing education programs.

25 OCT

Cyber Security Convention

at Lamot Congress and Heritage Center in Mechelen

The Cyber Security Coalition co-organized for the second time the Belgian Cyber Security Convention, gathering 380 IT and cyber security specialists for a one-day event dedicated to networking and education, and focused on four conference tracks.

Governance & Practices	Technology & Innovation	Platformes & Tooling	Compliance & Legal

11 DEC

Cyber Security Innovation: securing our future

in collaboration with Sirris at Bluepoint Agoria

sirris
driving industry by technology

With attackers continually innovating and evolving their capabilities, the most effective response to today's cyber threat landscape requires bringing everyone into the innovation process. This event also marked the launch of the Brussels Initiative on Cybersecurity Innovation (BICI).

Jan De Blauwe
Chairman

OPERATIONAL COLLABORATION

The Coalition's operational focus groups serve as a trusted platform for sharing recent trends in cyber security, the threat landscape and current developments in security strategies. Participants benefit from peer-to-peer exchanges to help develop skills, gain insights into operational practices, and improve their cyber security maturity.

In 2018, **3 new operational focus groups** were launched: Cloud Security, Crypto and Enterprise Security Architecture.

CLOUD SECURITY

The Cloud Security focus group exchanges implementation experiences and determines best practices to improve the cloud computing maturity within member organizations.

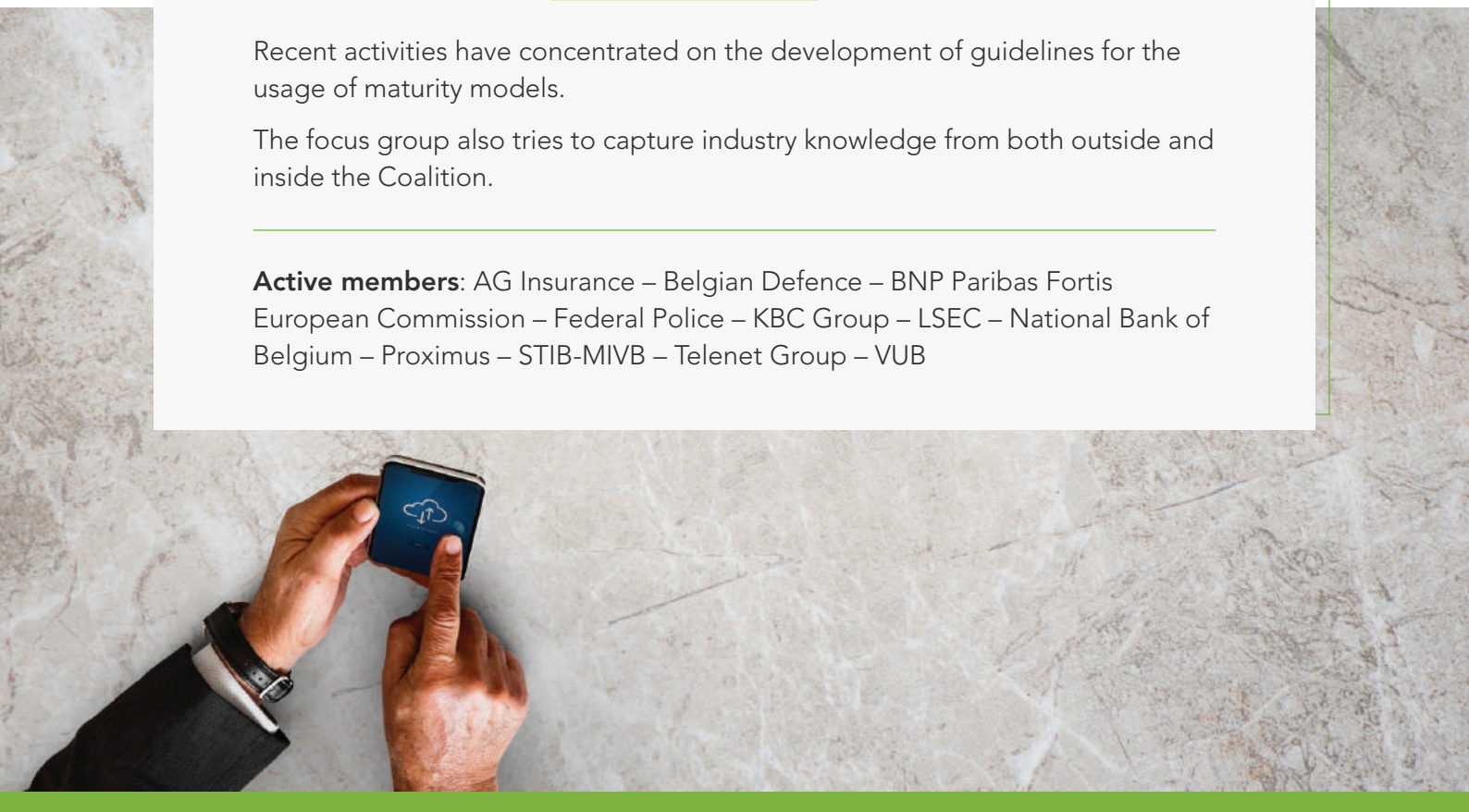
Key focus areas are:

- Implementation issues
- Internal processes & Organization (DevOp)
- Security management of cloud operations
- Training & Certification activities
- Contract management & Governance

Recent activities have concentrated on the development of guidelines for the usage of maturity models.

The focus group also tries to capture industry knowledge from both outside and inside the Coalition.

Active members: AG Insurance – Belgian Defence – BNP Paribas Fortis European Commission – Federal Police – KBC Group – LSEC – National Bank of Belgium – Proximus – STIB-MIVB – Telenet Group – VUB



CRYPTO

Expertise and resources specialised in cryptography are often limited within organizations which face many:

- challenges: increasing data volume, data shifts from on-premise to third party cloud applications and more stringent regulatory requirements.
- threats: upcoming technologies such as quantum computing.

Cooperation is key to protecting us against organized crime attacking our data.

The Crypto focus group facilitates peer-to-peer collaboration by means of 4 operational focus groups:

Crypto algorithms	follow-up of attacks on algorithms, remediation, and considerations for evolutions in the area of algorithms.
PKI	concepts and choices for the practical implementation in an enterprise.
Key & Certificate management	which includes bringing your own key to the cloud, HSM management and tools to automate certificate enrolment and provisioning.
Crypto training	identify training materials that each participant could propose to other members who need to learn about crypto basics or advanced topics.

2 strategic meetings – topics discussed:

- Members' testimonials on PKI
- Key & Certificate management

Active members: Belgian Defence – BNP Paribas Fortis – Colruyt Group – FCCU ING – KBC Group – KU Leuven – Proximus – ULB

CSIRT-SOC

The CSIRT-SOC focus group gathers peers operational in **Cyber Security Incident Response** to share their knowledge and experience. Members of this group share their findings concerning recent incidents, their experience with vendors and tools, their incident response processes, technical indicators, etc. Additionally, they present expert talks and research reports about relevant topics.

This close cooperation is **only possible within a trusted platform**. Therefore every conference call or onsite meeting is preceded by the declaration of the TLP level (AMBER by default) to remind participants of the sensitive nature of the discussions.

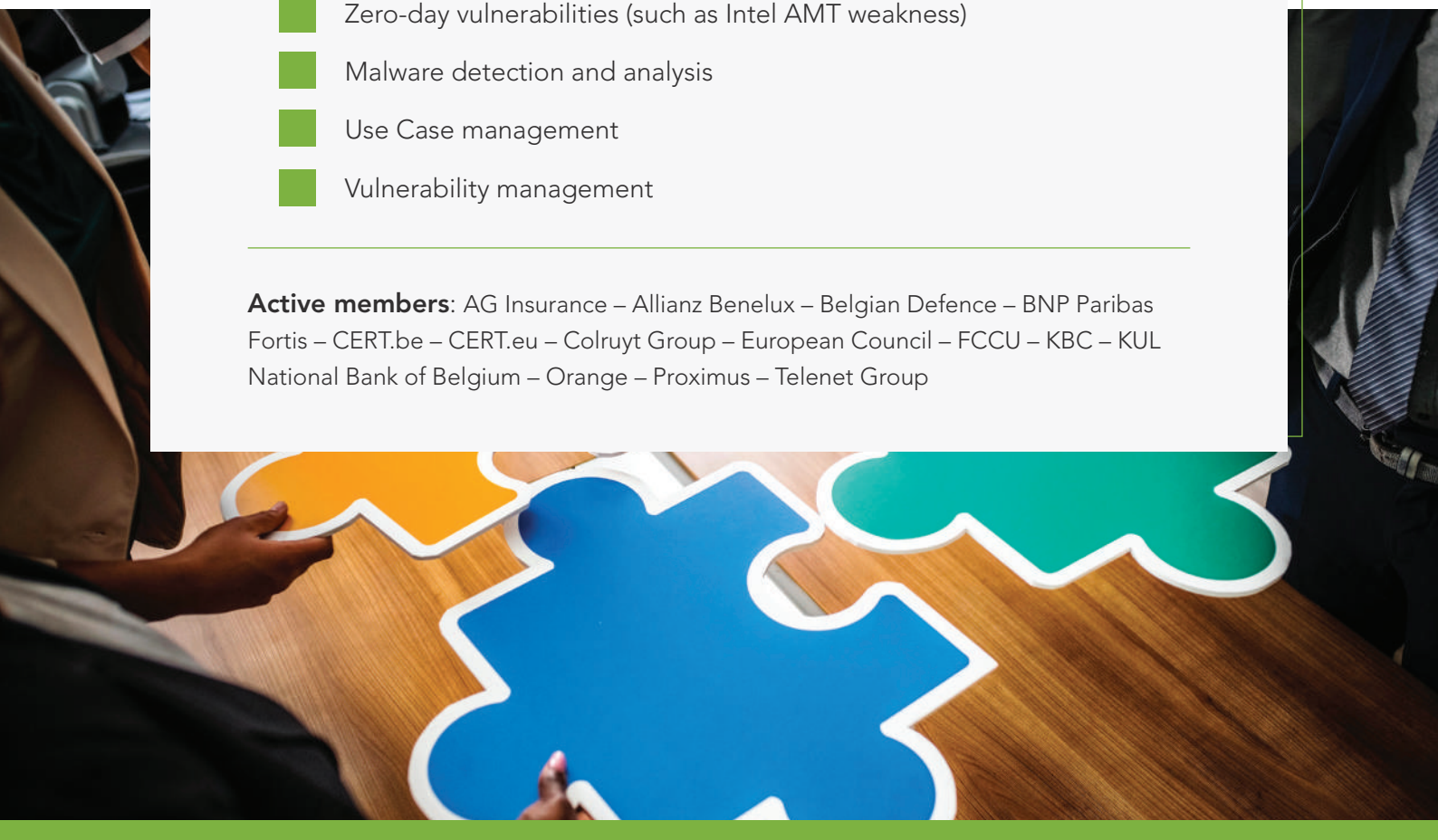
3 onsite meetings – topics discussed:

Incident response	Malware analysis	Forensics
Intel sharing	Detection capability	

Ad-hoc conference calls – topics discussed:

- Zero-day vulnerabilities (such as Intel AMT weakness)
- Malware detection and analysis
- Use Case management
- Vulnerability management

Active members: AG Insurance – Allianz Benelux – Belgian Defence – BNP Paribas Fortis – CERT.be – CERT.eu – Colruyt Group – European Council – FCCU – KBC – KUL National Bank of Belgium – Orange – Proximus – Telenet Group



ENTERPRISE SECURITY ARCHITECTURE (ESA)

Security architects are the guardians of the business-to-security alignment, balancing threat protection and business enablement. They are united by the responsibility to ensure security "by design" practices in solution delivery and the provision of structured data to support governance, risk and compliance management.

The ESA focus group shares experiences in architecture development and solution design for:

- Defense strategy definition
- Cyber security infrastructure service implementation
- Cyber security governance, risk management and compliance management

Security architects develop building blocks and models that abstract the risk context, the assets and the actual threats and attack scenarios.

ESA's aspired activities range goes from presenting lessons learned regarding security design and tactics in chosen technology risk domains to sharing or even co-creating architectural assets.

2 onsite meetings – topics discussed:

- The disappearing network boundary, including members' visions
- Member security architecture framework and threat modelling
- Method security in micro-service and containerization architectures

Active members: BNP Paribas Fortis – Colruyt Group – Federal Police – ING KBC Group – KU Leuven – Proximus – Solvay – ULB – VUB

POLICY RECOMMENDATIONS

The Coalition focus groups within the strategic domain 'Policy recommendations' are an important source for upcoming regulations and implementation methods, and help our members to achieve regulatory compliance.

PRIVACY

The Privacy focus group dealt with several implementation issues of the GDPR and discussed various methods to ensure regulatory compliance:

Transfer of data to third parties	Who is data controller/ processor?	Personal data classification	Data protec-tion impact assessments	Data breaches

2 types of privacy meetings are set up according to the nature of the expertise:

Strategic Privacy

Sharing experiences related to data privacy and the implementation of regulations such as GDPR and e-Privacy.

Assuming an advocacy role towards the Data Protection Authority (DPA) by voicing the members' need for advice and assistance in implementing the regulations.

Setting up industry standards and developing a code of conduct.

Operational Privacy

Convenes on an ad-hoc basis to respond to urgent issues such as serious data privacy incidents.

4 onsite strategic meetings – topics discussed:

- Members' best practices on data breach notification procedures
- Appropriate communication with the DPA and their customers

Active members: AdN – Allianz – Belnet – BNP Paribas Fortis – CIRB-CIBG – Colruyt Group – FEB/VBO – Federal Police – KBC Group – KU Leuven – LSEC – Orange – Solvay ULB – Ypto/NMBS

NETWORK & INFORMATION SECURITY (NIS)

The EU Directive on Security of Network and Information Systems (the 'NIS Directive') is the first piece of EU-wide legislation on cybersecurity. It provides legal measures to boost the overall level of network and information systems security across the European Union.

Adopted by the EU Institutions mid-2016, the Directive has to be transposed into Belgian law.

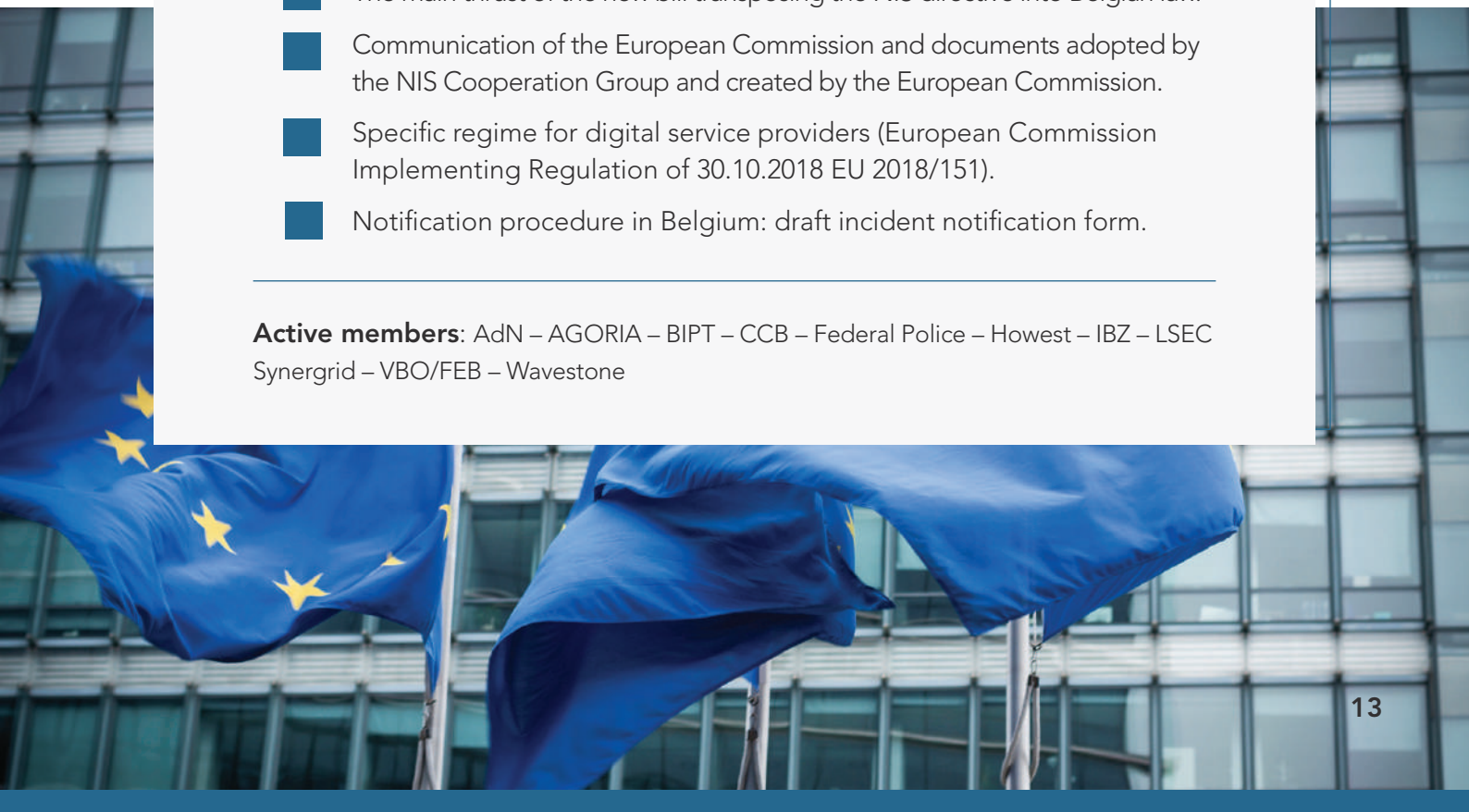
The Coalition created a NIS focus group to:

assist Coalition members with the implementation of the law transposing the NIS directive into national legislation.	act as a sounding board for the Centre for Cyber Security Belgium (CCB) which assumes an instrumental role in developing the national law.	support the CCB in translating requirements into practical guidelines or manuals for the organizations impacted by the law.

The NIS focus group resumed its activities at the end of 2018 in anticipation of the new law, discussing topics such as:

- The main thrust of the new bill transposing the NIS directive into Belgian law.
- Communication of the European Commission and documents adopted by the NIS Cooperation Group and created by the European Commission.
- Specific regime for digital service providers (European Commission Implementing Regulation of 30.10.2018 EU 2018/151).
- Notification procedure in Belgium: draft incident notification form.

Active members: AdN – AGORIA – BIPT – CCB – Federal Police – Howest – IBZ – LSEC Synergrid – VBO/FEB – Wavestone



AWARENESS RAISING

NATIONAL CAMPAIGNS

Boost your digital health!

The **Centre for Cyber Security Belgium** and the **Cyber Security Coalition** launched the 4th national cyber security awareness campaign during the **European Cyber Security Month** in October.

The campaign aimed at encouraging all internet users to boost their digital health by performing **software updates** and making regular **backups** of important files. Since they repair vulnerabilities in systems and programs, these two actions are key to increasing resistance against hackers.

1 million people saw the campaign videos via social or other media

15,000 people took the Digital Healthcare test on safeonweb.be

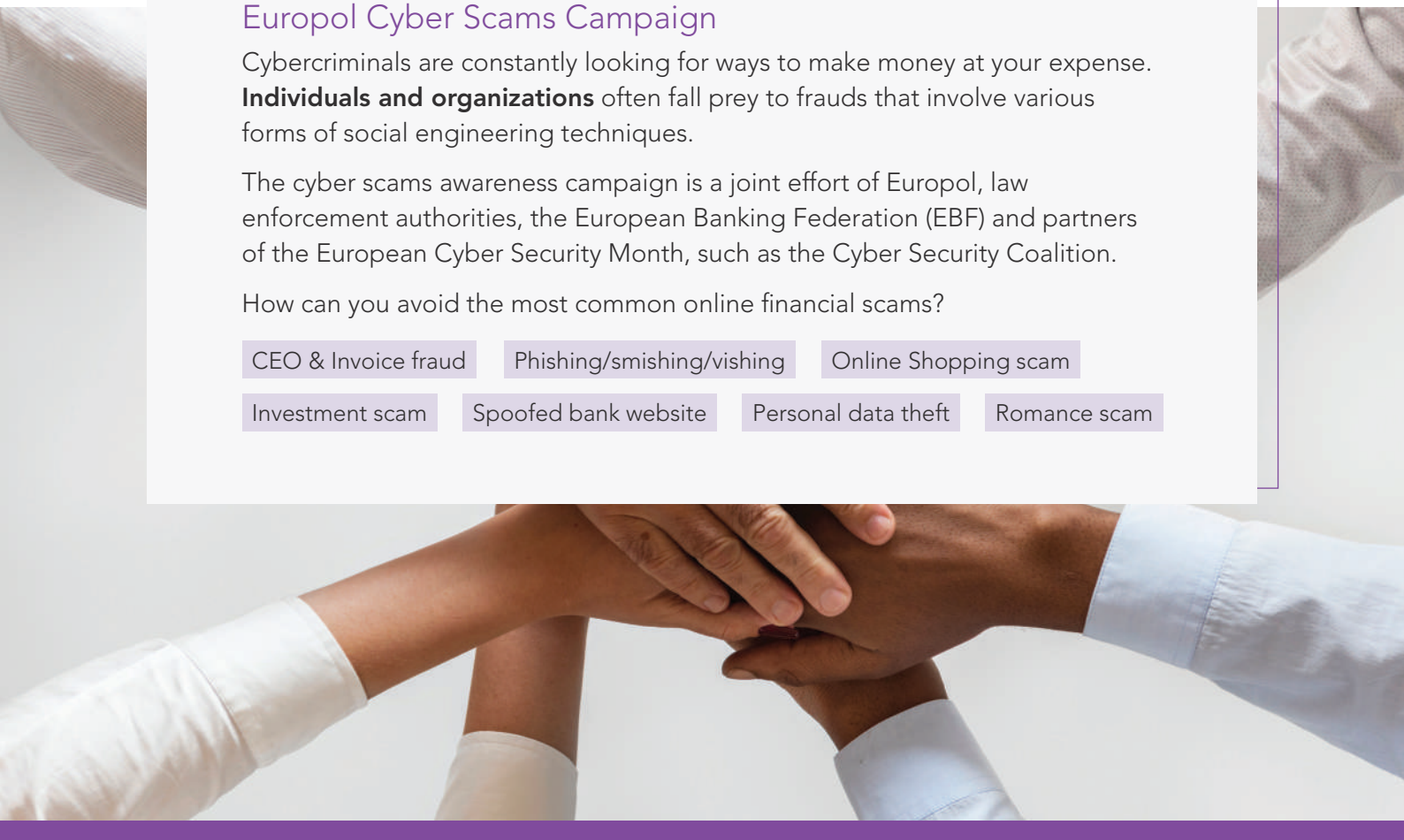
Europol Cyber Scams Campaign

Cybercriminals are constantly looking for ways to make money at your expense. **Individuals and organizations** often fall prey to frauds that involve various forms of social engineering techniques.

The cyber scams awareness campaign is a joint effort of Europol, law enforcement authorities, the European Banking Federation (EBF) and partners of the European Cyber Security Month, such as the Cyber Security Coalition.

How can you avoid the most common online financial scams?

- CEO & Invoice fraud
- Phishing/smishing/vishing
- Online Shopping scam
- Investment scam
- Spoofed bank website
- Personal data theft
- Romance scam



MATERIALS FOR SMEs

SME Security Scan

The 'SME Security Scan' for self-employed individuals and professionals provides a rough indicator of how **secure your organization's files and computer infrastructure** are. It takes **only 10 questions** to determine the security level of your organization. At the end of the exercise you will receive a number of practical tips that can help you to improve the level of security within your organization.

Cyber Security Basics for Starters

The 'Cyber Security Basics for Starters' guide helps **start-ups and online business** enhance their cybersecurity strategy in 5 steps:

1. Develop a cyber security strategy
2. Protect your IT infrastructure
3. Raise awareness within your company
4. Comply with your legal obligations
5. Share knowledge and report incidents

Cyber Security KIT

In addition to strong passwords, phishing, social engineering, the Coalition has added a new topic '**handling customers' personal data**' to its Cyber Security Kit. The Cyber Security KIT deals with relevant topics, each containing useful and hands-on tools to help raise awareness about cyber security inside an organization.

All Coalition awareness materials are available online free of charge in English, French and Dutch at **cybersecuritycoalition.be.**

Active members: Belnet – BNP Paribas Fortis – CCB – CERT.be – European Commission – Febelfin – FEVIA – FPS Economy – HRZKMO – HUAWEI – ING – KBC – Proximus – STIB/MIVB – VBO/FEB – Wavestone

MEMBERS

Public sector

European members:

Academic sector

Private sector

ORGANIZATION

The Cyber Security Coalition is a **non-profit association** (ASBL/VZW) officially founded in January 2015; as such we provide a neutral, non-commercial forum where peers can **freely exchange in confidence**.

The Coalition is a **member-funded initiative**. The annual membership fees cover the Coalition's operating costs and deliverables, such as awareness campaigns, information kits and the publication of guidelines.

ANNUAL GENERAL MEETING

All members of the Cyber Security Coalition are represented in the General Assembly.

BOARD OF DIRECTORS

The members appoint the Board of Directors, which is responsible for the **Coalition's governance**. Its is made up of at least one director from the public, private and academic sectors. The Board is chaired by a Chairman appointed by the Board for a term of 4 years.

FOCUS GROUPS

The Cyber Security Coalition currently runs **7 focus groups**. Each focus group is comprised of domain experts from our member organizations who meet on a regular basis to share their experience, best practices and participate jointly in several projects.

OFFICE TEAM

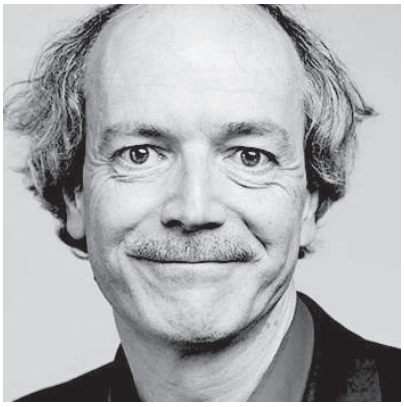
The Coalition's Office Team, represented by Sofie De Moerloose and Cathy Suykens, is responsible for the day-to-day management of the Coalition.

BOARD OF DIRECTORS

Chairman

Jan De Blauwe
BNP Paribas Fortis

Georges Ataya
Solvay Business School



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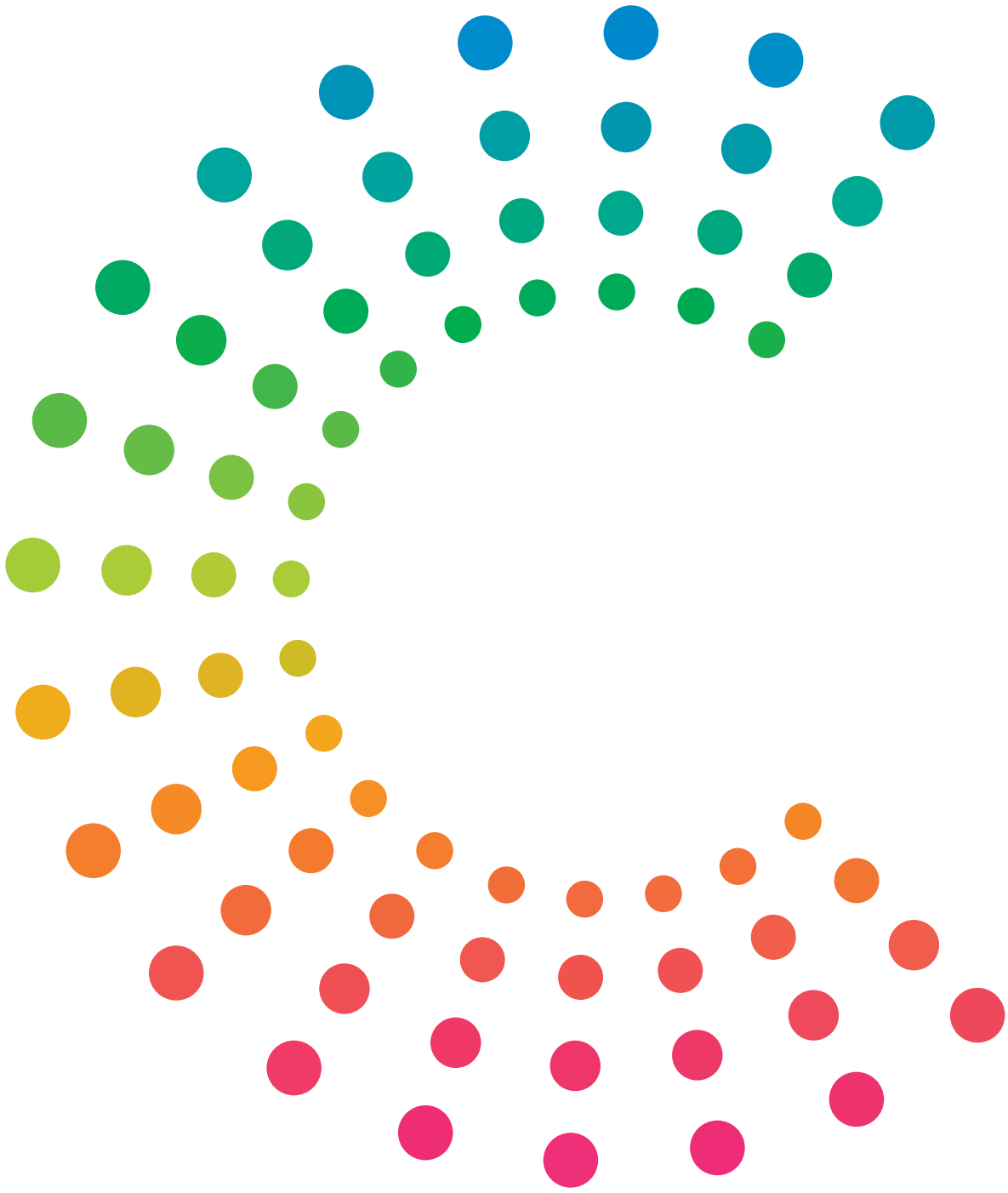

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