

FIC
2020
28TH-30TH JANUARY

Press Kit
Brittany Pavilion / Pôle d'excellence cyber
Stand D15

BRETAGNE^{BE}
DÉVELOPPEMENT
INNOVATION



PÔLE D'EXCELLENCE
CYBER

BRETAGNE^{BE}



About the International Cybersecurity Forum (FIC)

Established in the ecosystem for 11 years, the FIC has become the leading event for Cybersecurity players. A visitor rate growing sharply every year and visitors of increasing quality.

Key Figures of the 2019 Edition

- > Nearly 10,000 visitors (+15% /2019),
- > 400 speakers,
- > 120 lectures / workshops / demonstrations
- > 80 countries represented (+20% international visitors /2019)

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▶ SUMMARY PRESS RELEASE

FIC 2020: WITH THE PÔLE D'EXCELLENCE CYBER, THE BRITTANY REGION CONFIRMS ITS LEADERSHIP IN CYBER SECURITY FROM 28TH TO 30TH JANUARY 2020 AT THE GRAND PALAIS IN LILLE

20 companies, 6 colleges and universities, 2 cities (Rennes and Brest), the Pôle d'excellence cyber and the Region make up Brittany's delegation to the 12th edition of the FIC. What is special about this delegation is the strong presence of start-ups and the ability to propose concrete solutions via a series of demonstrations on topics such as cyber crisis management, secure connected buffers, physical encryption of optical fibres, AI to identify human weaknesses, cyber investigation tools, offensive security, and the fight against data leaks and misappropriation.

On the collective stand, professional visitors will find very concrete answers to questions such as: How to identify and detect vulnerabilities? How to protect against cyber-attacks, what to do in case of an incident?

Exhibitors on the stand will demonstrate that, whatever the security issues, the cyber offer in Brittany includes affordable, tailored solutions.

The Pôle d'excellence cyber Renews its Partnership with the regional council of Brittany for the FIC.

Since 2014, the Pôle d'excellence cyber, co-founded with the French Ministry of the Armed Forces, has been developing a national strategy for training, research and industrial development, with a view to opening up, uniting and leading the sector.

At FIC 2020, it is renewing its partnership with the regional council of Brittany, to promote the know-how of its members (around fifty today; civilian and military, public and private, academic and industrial) and to present several of its projects for the national cyber community, such as its database and its «*Cyber Training Lab Academy*» (shared platform for practical work).

Brittany at FIC 2020

Coordinated by Bretagne Développement Innovation, the stand will be a place where training, research and industrial development issues come together. The stand will welcome 10 new exhibitors and half of last year's participants.

▶ The Brittany pavilion (stand D15) will include the following exhibitors:

- 20 companies including 13 start-ups: *Alcyconie; Anozr Way; Anteo Trust & Security by Sodifrance; Assurable/Obdo; Bloo Conseil; By Stamp; Cailabs; Daspren; Dawizz; Easyliance; Groupe SII; Hogo; Lorcyber; Malizen; Rubycat; Secure-IC; SIB; Synacktiv; Veyan; WaToo.*

> in italics, *the startups*

> in grey, *the new exhibitors*

- 6 research centres or schools of higher education: Cyber Security Center of Université Bretagne Sud, IMT Atlantique, INRIA, Pôle Sup de La Salle, Université de Rennes 1 and the CyberSchool.

- 2 cities: Brest and Rennes

▶ Other exhibitors at the FIC

5 other Breton companies will be present at the FIC 2020 on their own stand: Acklio (stand F19); Amossys (stand D1); Cardelya (stand G23); Diateam (stand B10); Shadline (stand D32).

Brittany, Starting Point for International Development

For the first time on the Brittany stand at the FIC, a business area will be set aside for international business. 3 counters will represent the following countries: Germany, Singapore, United Kingdom.

The region of Brittany offers its international partners access to these markets. This will enable companies to better understand the characteristics and opportunities in these markets. Brittany's international counters will be available to all FIC exhibitors.

Germany: Centre of European cybersecurity with France

Contact: Yves Rommel - yves.rommel@victanis.com

United Kingdom: Despite Brexit, real opportunities to be developed

Contact: Eric Lambert-Duverneix - eric.lambert@victanis.com

Singapore: Cyber strategy written with the support of France, gateway to the Southeast Asian market

Contact: Marie Lemonnier - mlemonnier@fccsingapore.com

Two cities that count in Breton cyber space

In just a few years, **Rennes** has become a Mecca for cybersecurity and cyber defence in France. Laboratories, higher education institutions, SMEs, large groups...

At the heart of a region at the forefront of cybersecurity, it is only natural that **Brest** is aiming its expertise in maritime and port cybersecurity towards numerous civilian and military operational areas.

This dynamic is led by Bretagne Développement Innovation (BDI), the economic development and innovation agency of the Brittany Region. In the field of cybersecurity, BDI works to achieve 4 goals:

- To facilitate access for Breton SMEs to cybersecurity markets, in France and abroad.
- To disseminate cybersecurity in application sectors (marine industries, agri-food, health, mobility, etc.).
- To lead the community of stakeholders.
- To promote the attractiveness of the region.

Key Cyber dates in Brittany:

- BreizhCTF 2020: 3 April, Rennes,
- European Cyber Week: 17-19 November, Rennes.

PÔLE D'EXCELLENCE CYBER



BRINGING CAPABILITIES TOGETHER

Created in 2014 under the aegis of the French Ministry of Armed Forces and the Brittany region, the Pôle d'excellence cyber aims to fulfill the establishment of a sovereign cybersecurity-cyber defense sector by gathering the actors of the French ecosystem.

The Pôle d'excellence cyber builds its action around three main axes:

- > The offer of cyber training (basic, in-service and higher education);
- > Industrial development;
- > Academic cyber research.

The Pôle d'excellence cyber thus addresses three majors challenges, to the benefit of the French cyber defense and cybersecurity communities:

- > Offering the appropriate skills for the development of the cyber industry;
- > Offering trusted solutions and services;
- > Offering a panel of research coherent with the needs of the State and the industry.

A COLLABORATIVE AND NETWORKING ORGANIZATION

The Pôle d'excellence cyber brings together civilian and military, public and private, academic and industry key players, drawing on their respective skills and areas of expertise.

All the members and partners of the Pôle d'excellence cyber meet regularly during **cross thematic working groups**, allowing a high level of consultation in the development of their actions.

The concrete actions of the Pôle d'excellence cyber are:

- > Setting up cyber trainings;
- > Gathering the actors of the sector and promoting its projects internationally (European Cyber Week);
- > Contributing to the research projects of its members (creation of industrial chairs on cyber defense, financing for theses, post-doctorate levels and scientific seminars).

BRETAGNE ^{BE}

THE LAND OF CYBERSECURITY

As a leading digital region for several years, Brittany has been a pioneer and a reference in the field of cybersecurity in France and Europe.

Brittany relies on a high-performance ecosystem with internationally recognised companies, research teams based in the best schools, the French Ministry of Armed Forces' cyber teams (Pôle d'excellence cyber, Ministry of Armed Forces and Ministry of Interior, Direction générale de l'armement, etc.), the presence of major contractors and highly innovative SMEs.

It is a region where you can meet start-ups, major groups, IT services companies, SMEs with an international presence, students and researchers and the best teams from the Ministry of Armed Forces and the Interior or the Directorate General of Armaments. This unique ecosystem exchanges, innovates, does business, develops and, as at the FIC, does not hesitate to join forces for greater efficiency.



3,500 STUDENTS TRAINED
PER YEAR TO CYBERSECURITY



+ THAN 200
RESEARCHERS



150 COMPANIES



50 PURE PLAYERS



8,000 JOBS

www.bdi.fr/annuairecyber

▶ THE CYBER OFFER IN BRITTANY: AFFORDABLE TAILORED SOLUTIONS

5 THEMED PATHWAYS TO DISCOVER

Identify and detect to better anticipate, protect to better prevent, deal with an incident, respond and remedy; whatever the security issues, exhibitors on the stand will show that the cyber ecosystem in Brittany offers tailored, affordable solutions.

Identify / Detect / Protect / Respond / Restore

Companies	Activities	Contact
Alcyconie	Alcyconie is a firm specialized in crisis and cyber crisis prevention and management and sensitive communication.	Stéphanie LEDOUX Founder & CEO contact@alcyconie.com ▶ www.alcyconie.com
Anozr Way	ANOZR WAY is a software publisher that offers companies to complete their security system, by protecting themselves from the risks of cyber-attacks targeting human vulnerabilities. Its OSINT (open source intelligence) technology allows attack scenarios (phishing, ransomware, identity theft, data leakage...) to be identified and anticipated.	Philippe LUC Chief Executive Officer (CEO) philippe@anozrway.com ▶ www.anozrway.com
Anteo Trust & Security, by Sodifrance	Sodifrance's Cybersecurity Division advises and supports its clients in compliance, with regard to regulatory obligations (RGS, GDPR, ISO etc.), security of services and applications, data protection.	Hervé TROALIC Division Director Cybersecurity - Groupe Sodifrance htroalic@sodifrance.fr ▶ www.sodifrance.fr
Assurable / Obdo	Assurable / Obdo develops patented SCaaS (Secure Container as a Service) technology and application software to provide companies with a natively highly secure data management environment.	Frankie ALSON CEO falson@obdo.co ▶ https://obdo.co
Bloo Conseil	An independent firm of experts in infrastructure and cybersecurity to support IT infrastructure transformation and security projects.	Aurélien MAGNIEZ President amagniez@bloo-conseil.fr ▶ www.bloo-conseil.fr
ByStamp	KEYMO by BYSTAMP brings the stamp pad into the mobile world. KEYMO is a multi-factor electronic stamp that allows authentication of a legal entity or individual on any type of mobile terminal, even without a network connection.	Yann LE BAIL CEO yann@bystamp.com ▶ www.bystamp.com
Cailabs	Securing optical fibres at the physical layer.	David ALLIOUX Project and Product Manager david@cailabs.com ▶ www.cailabs.com
Daspren	Daspren offers companies that wish to protect their data against unknown attacks, an innovative DaD (Data Aware Defense) solution that is complementary to an anti-virus that protects against known threats.	Belkacem TEIBI CEO belkacem@daspren.com ▶ www.daspren.com

Companies	Activities	Contact
Dawizz	Dawizz specializes in data governance. Publisher of MyDataCatalogue software, an intelligent solution based on recognition algorithms on structured or unstructured data.	Stéphane LE LIONNAIS Co-founder stephane.lelionnais@dawizz.fr ▶ www.dawizz.fr
Easilyence	Easilyence 4.0 is the 1st digital solution in Europe dedicated to cyber crisis managers. A collaborative crisis management system essential to support your SOAR (Strengths - Opportunities - Aspirations - Results) or your SIEM (Security information and event management).	Thierry de RAVEL Founding Director thierry.deravel@easilyence.com ▶ www.easilyence.com
Groupe SII	The Groupe SII works on the technological challenges of the digital transformation of key accounts, SMEs and Start-Ups with its 8 000 employees in more than 60 establishments around the world.	Eric HILLY Practice Manager ehilly@sii.fr ▶ www.groupe-sii.com
Hogo	Innovative, off-the-shelf security solutions to quickly and efficiently secure any information system.	Quentin RUILLERE CTO hello@hogo.eu ▶ https://hogo.eu
Lorcyber	Lorcyber, a specialist in «security management», offers SMEs and local authorities the opportunity to develop their cybersecurity jointly. Lorcyber optimizes information system security, while reducing costs through industrialization.	Pierre LORCY President pierre.lorcy@lorcyber.eu ▶ www.lorcyber.eu
Malizen	Malizen's mission is to combine the latest advances in data visualization and analysis to enable cybersecurity experts to deploy their expertise more powerfully, faster and in a more natural way.	Christopher HUMPHRIES CEO & Co-founder christopher@malizen.com ▶ www.malizen.com
Rubycat	Security of sensitive access to the information system by providing a pragmatic and simple response to the lack of visibility on the actions carried out by privileged accounts.	Cathy LESAGE CEO/Manager cathy.lesage@rubycat.eu ▶ www.rubycat.eu
Secure-IC	Best in class protection IP cores, security evaluation solutions & consulting full set of analysis platforms.	Lee ANDERSON Marketing & Communications lee.anderson@secure-ic.com ▶ www.secure-ic.com
SIB	Data protection and integrity. Hosting of personal health data. Secure storage and sharing space. Cyber support (Audit, PenTest, etc.). GDPR support (Mutualized DPO, SOS DPO, etc.). Training.	Nicolas JOLIVET Manager Cybersecurity Division nicolas.jolivet@sib.fr ▶ www.sib.fr
Synactiv	Offensive security, intrusion testing, security auditing and reverse engineering in the most complex technical environments.	Renaud FEIL CEO & Co-founder renaud.feil@synactiv.com ▶ www.synactiv.com
Veyan	Securing information assets. Political and organizational approach based on customization, proportionality, continuous improvement.	Pierre BOGENSCHÜTZ Associate Director pierre.bogenschutz@veyan.fr ▶ www.veyan.fr
WaToo	WaToo combats the leaking and misappropriation of data and documents by authorized users: staff, partners, subcontractors or customers. Our solutions hide invisible tracers in the data itself that uniquely identify the recipient.	Javier FRANCO CONTRERAS President/CEO javier.francocontreras@watootech.com ▶ www.watootech.com

▶ TRAINING - RESEARCH: ACQUIRE NEW SKILLS

BEST EXPERTS, BEST TALENT

More than 200 researchers in the cyber field

Brittany is home to the best researchers in the field, used to working together, ensuring that the entire security chain is covered.

Physics, mathematics, networks, computer science via the humanities and social sciences; cybersecurity research is multidisciplinary. Leadership in research is materialized by the existence of 4 industrial chairs specialized in cyber defence, naval systems, critical infrastructure systems and threat analysis.

A partnership agreement between DGA-MI Brittany Region and research institutions* was signed to conduct research work supported by doctoral and post-doctoral grants.

* Inria, CNRS, les Universities of Rennes, Bretagne Occidentale and Bretagne Sud, ENS Rennes, Centrale Supélec, Insa and IMTA.

3,500 students trained or educated in cybersecurity every year

All training operators in Brittany (universities, IUT, grandes écoles, CNAM, etc.) work on training a sufficient number of future specialists in cyber defence and cybersecurity.

4 Grandes Ecoles in the Ministry of Armed Forces (Saint-Cyr Coëtquidan, École Navale, ETRS, ENSTA Bretagne), Institut Mine Télécom, Centrale Supélec, ENSIBS, ISEN, ENSSAT... as well as the network of IUTs and the CNAM, provide cyber training at all levels, enabling companies to find the skills they need. The standard in companies can be raised further with continuing education and training offers.

CyberSchool, the only university school for cybersecurity research in France

At the start of the 2020 academic year, CyberSchool will offer students an interdisciplinary programme in the fundamental and emerging areas of cybersecurity. High level, innovative and international training, backed by cutting-edge research, which aims to double the number of cybersecurity graduates.

A new master's degree unique in Europe in Cybersecurity of maritime and port

The course (Master degree), which is taught by 4 leading schools - IMT Atlantique, ENSTA Bretagne, the Naval School and the Ecole Nationale Supérieure Maritime (ENSM) - is designed to deal with all the digital risks that can affect port, ships and offshore platforms. It opens in September 2020.

Academic actors present at the FIC 2020:

Structure	CIF Highlights	Contact
Cyber Security Centre of the University of Southern Brittany ENSIBS	The UBS Cyber Security Centre organises cyber defence for Critical Operators, detects software vulnerabilities and secures connected objects.	Jack NOEL Cyber Coordinator UBS Security Centre jack.noel@univ-ubs.fr
INRIA/LHS	Inria is the French national research institute for digital science and technology. World-class research and technological innovation are in its DNA, and its ambition is to develop and support scientific and entrepreneurial projects that create value for France in the European dynamic.	Jean-Louis LANET Scientific Advisor jean-louis.lanet@inria.fr
IMT Atlantique	Training and the search for excellence in the security of complex systems for the industry of the future and critical infrastructures.	Jean LE TRAON Director of the Rennes campus contact@imt-atlantique.fr
Pôle sup de la Salle	Computer Security - Sandwich training courses - Post-graduate courses	Patricia LE BOUSSARD Sector Advisor IT Security p.leboussard@groupe-saintjean.fr
Université Rennes 1	European leader in research and training in the cybersecurity chain (Cryptology - Privacy - Software - Hardware - Network)	Karine CHATEL Project Manager Cybersecurity karine.chatel@univ-rennes1.fr

▶ EUROPE

BRITTANY, EUROPE'S CYBER VALLEY

With its leading position, Brittany is a key player in building «Cyber Europe». Regional actors are actively involved and are providing solutions within the framework of European projects to foster a competitive European breeding ground with their partners. European projects are helping to build a Europe of cyber security.

› The European Interreg project «CYBER»

Supported by Bretagne Développement Innovation and the Regional Council of Brittany, CYBER relies on the exchange of good practices between the 7 partner regions to boost the competitiveness of cybersecurity SMEs by improving regional policies.

<https://www.interreurope.eu/cyber>

› Pilot Action «European cyber valleys»

Under the coordination of Brittany, 8 European regions are working to create synergies between regions specialising in cybersecurity, to facilitate the development of the EU cyber value chain, by mapping the skills available in European territories, to stimulate the marketing for existing products and services in Europe, through the implementation of a European acceleration programme, and encourage businesses to invest in cybersecurity, through the deployment of a pan-European cyber range.

<http://s3platform.jrc.ec.europa.eu/cybersecurity>

› The «SPARTA» project:

SPARTA is a network of cybersecurity expertise, supported by the European Research and Innovation Programme (Horizon 2020), with the aim of developing and implementing high level collaborative research and innovation actions.

The SPARTA consortium, led by CEA, assembles a set of 44 actors from 14 EU member states.

<https://sparta.eu>

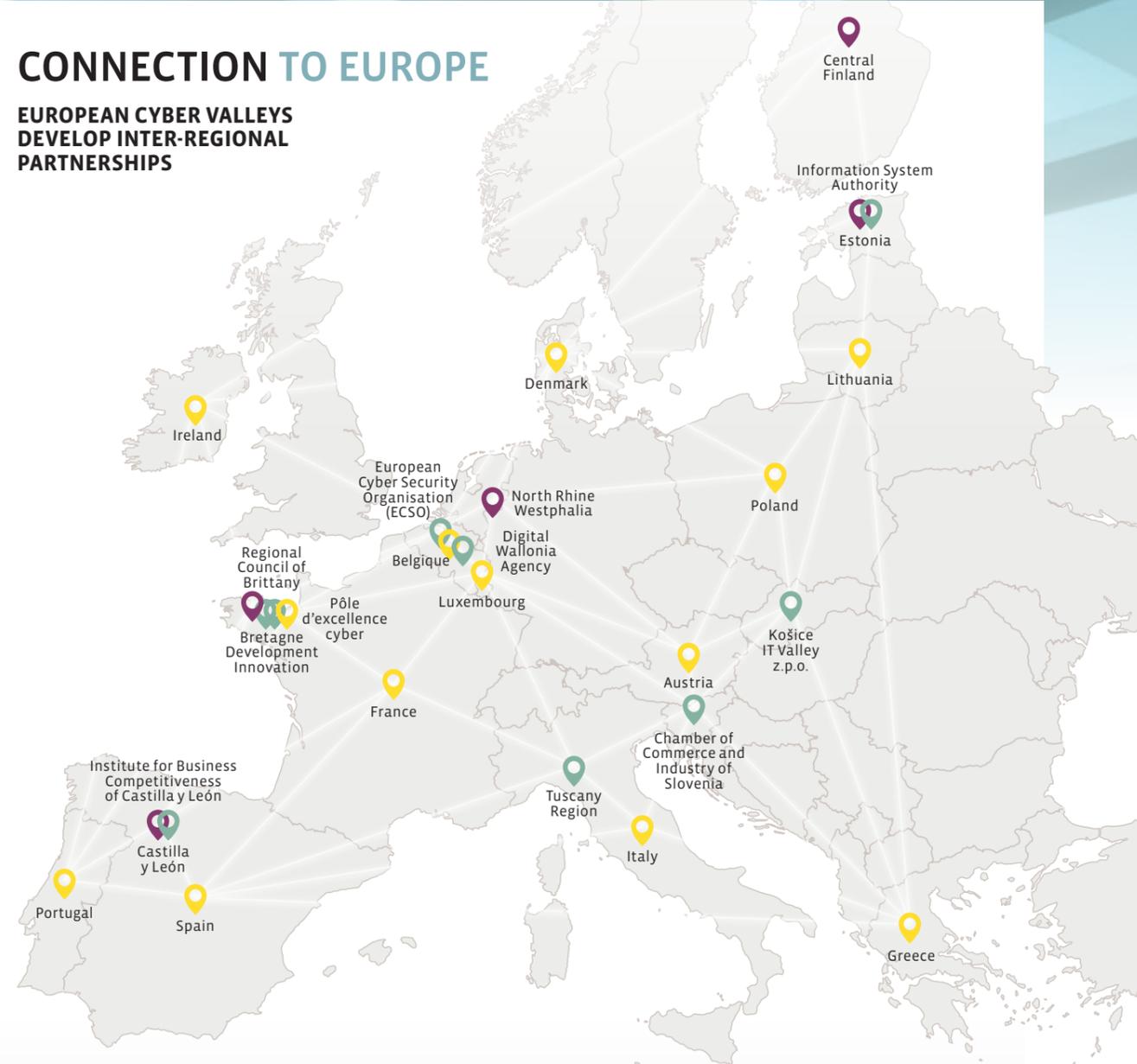
› EEN - Enterprise Europe Network (International cooperation)

An innovation project may require skills outside the company and sometimes internationally. EEN assists companies in defining their needs, identifying the right partner and putting them in touch with the right interlocutor by mobilising its network of 600 contacts in more than 60 countries around the world.

www.een-france.fr

CONNECTION TO EUROPE

EUROPEAN CYBER VALLEYS
DEVELOP INTER-REGIONAL
PARTNERSHIPS



Interreg Europe

An interregional cooperation project to enhance public policies for the competitiveness of cybersecurity companies
www.interreurope.eu/cyber

SPARTA

Pilot Cybersecurity Competence Network developing and leveraging cross-discipline and cross-sector capabilities to enhance European strategic autonomy.
www.sparta.eu

EUROPEAN CYBER VALLEYS : PILOT ACTION

Resilience, Deterrence and Defence: Building a strong cybersecurity for the European Union
[https://s3platform.jrc.ec.europa.eu/cybersecurity](http://s3platform.jrc.ec.europa.eu/cybersecurity)



The directory of skills of 500 European Organisations
400 companies,
100 research/training centres

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