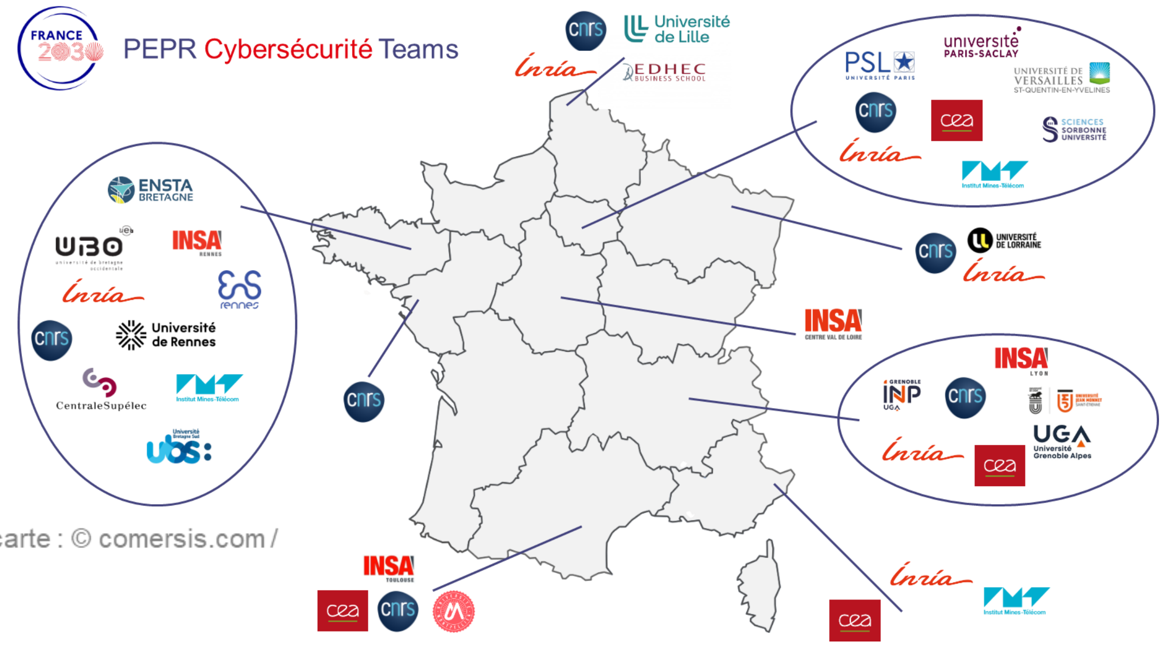
Hub Research & Innovation

Portes ouvertes PTCC
Programme de Transfert au Campus Cyber

Jeudi 05 Octobre 2021
Hub Recherche & Innovation

The academic community of French research in cybersecurity



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- + 1000 researchers among teams common to several organizations
  - Research organizations such as the CEA, CNRS and Inria
  - Universities and engineers schools.
- a unified scientific community working on all aspects of computer security, such as cryptology and encryption, verification, privacy issues, vulnerability and protection mechanisms, physical security, etc

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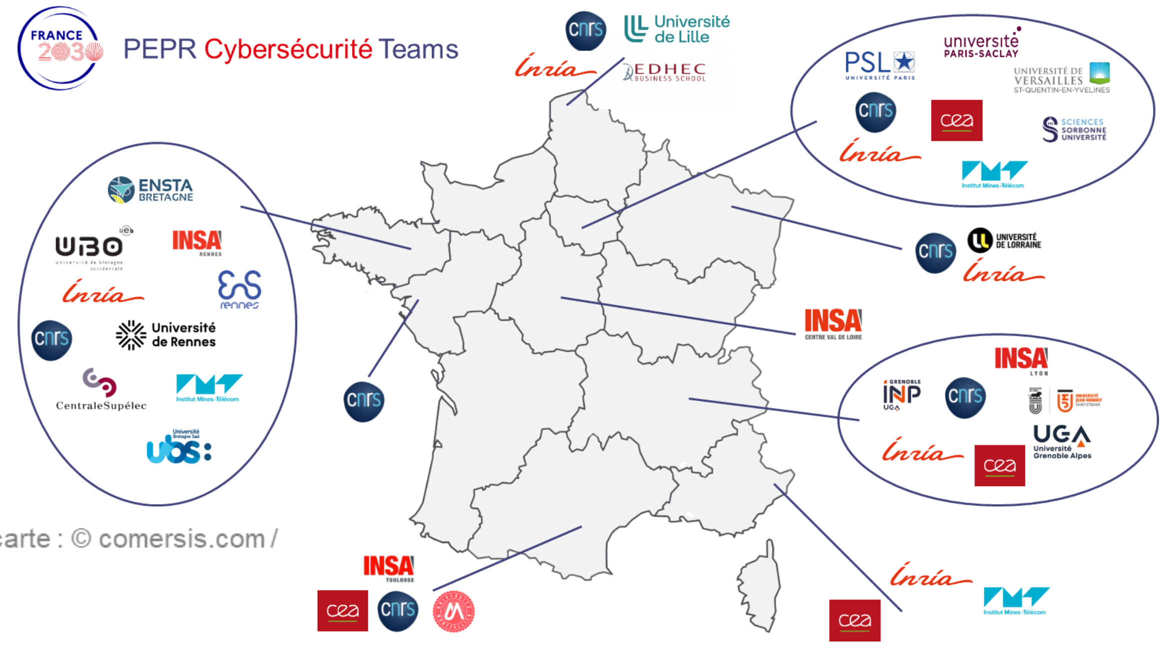

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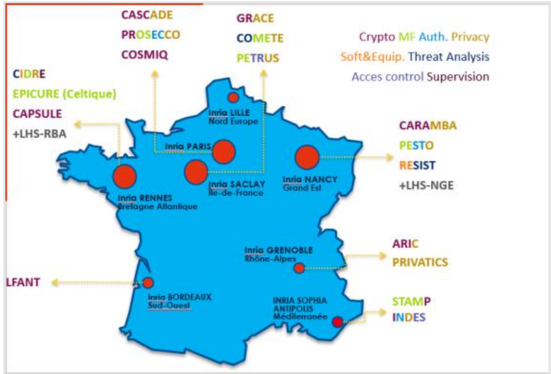
PROGRAMME DE transfert AU campus cyber

FRANCE 2030



227 Research Teams / 53 Teams with specialization in Cyber

EQUIPES DE RECHERCHE INRIA

		CASH	DATASHAPE	ERMINE	I4S	MAKUTU	MOCQUA	PASTA	RITS	STATIFY	VERIDIS
		CASTOR	DATASPHERE	EVA	IDEFIX	MAMBA	MODAL	PESTO	RMOD	STEEP	WHISPER
		CEDAR	DEDUCTEAM	EX-SITU	ILDA	MANAO	MOEX	PETRUS	ROBOTLEARN	STORM	WIDE
		CELESTE	DEFROST	FACTAS	INBIO	MARACAS	MOKAPLAN	PI.R2	ROMA	SUMO	WILLOW
AIO	BIOCORE	CHROMA	DELYS	FAIRPLAY	INDES	MATHERIALS	MONC	PIXEL	SCOOL	SYCOMORES	WIMMICS
AIRSEA	BIOVISION	CIDRE	DIANA	FLOWERS	INOCS	MATHEXP	MORPHEME	PLATON	SEMAGRAMME	TADAAM	XPOP
ALMANACH	BONUS	COAST	DISCO	FOCUS	KAIROS	MATHNEURO	MORPHEO	PLEIADE	SERENA	TANGRAM	ZENITH
ALPINES	BOREAL	COATI	DIVERSE	FUN	KERDATA	MATHRISK	MOSAIC	POEMS	SERPICO	TARAN	
ANGE	CAGE	COFFEE	DRACULA	GALLINETTE	KOPERNIC	MAVERICK	MULTISPEECH	POLARIS	SIERRA	TAU	
ANIMA	CAGIRE	COMETE	DYLISS	GAMBLE	LACODAM	MCTAO	MUSCA	POTIOC	SIMBIOTX	TEA	
ANTIQUE	CALISTO	COML	DYOGENE	GAMMA	LARSEN	MEMPHIS	MYRIADS	PREMEDICAL	SIMSMART	THOTH	
ARAMIS	CAMBIUM	COMMEDIA	EASE	GENSCALE	LEMON	MEXICO	NEO	PRIVATICS	SIROCCO	TITANE	
ARIC	CAMIN	COMPO	ECUADOR	GEOSTAT	LFANT	MFX	ODYSSEY	PROSECCO	SISTM	TOCCATA	
AROMATH	CAMUS	CONVECS	EDGE	GRACE	LIFEWARE	MICROCOSME	OPIS	QUACS	SODA	TONUS	
ASCII	CAPSID	CORSE	ELAN	GRAPHDECO	LINKMEDIA	MIMESIS	ORPAILLEUR	QUANTIC	SPADES	TRIBE	
ASTRAL	CAPSULE	COSMIQ	EMERAUDE	HEKA	LINKS	MIMETIC	OURAGAN	RAINBOW	SPHINX	TRIPOP	
ATHENA	CARAMBA	CTRL-A	EMPENN	HEPHAISTOS	LOKI	MIMOVE	PACAP	RANDOPT	SPIRALS	TROPICAL	
ATLANTIS	CARDAMOM	DANCE	EPICURE	HIEPACS	M3DISIM	MIND	PARADYSE	RAPSODI	STACK	TYREX	
AUCTUS	CARMEN	DANTE	EPIONE	HYBRID	MAASAI	MINGUS	PARKAS	REO	STAMP	VALDA	
AVALON	CASCADE	DATAMOVE	ERABLE	HYCOMES	MAGNET	MNEMOSYNE	PARTOUT	RESIST	STARS	VALSE	

Deployment as part of the National Cybersecurity Strategy

PROGRAMME DE TRANSFERT AU CAMPUS CYBER

FRANCE 2030

Cybersecurity projets

65 M€

72 Months

IPoP - Privacy
SecureCompute - Computing security
SVP - Security protocols verification
DefMal - Defense against malicious programs
SuperviZ - Security supervision and orchestration
ARSENE - Security architectures for embedded digital systems
Secureval - SW security evaluation enhancement
REV - Research and techniques for vulnerability exploitation
Cryptanalyse - Cryptographic primitives cryptanalysis
Multimedia Security - Multimedia data protection

A new paradigm for deploying cooperative research projects

Copilotage

cea cnrs Inria

Cyber Campus Network

Cyber Campus
+
Local Campus

Transfert Program @ Cyber Campus

40 M€

60 Months

Operated on behalf of the Academic Research Community

Opérateur Inria

cea cnrs IMT Udice cdefi France Universités

Transfer program at the Cyber Campus

PROGRAMME DE TRANSFERT AU CAMPUS CYBER

FRANCE 2030

Opérateur Inria

From the National Strategy for Cybersecurity: 40M€ - 60 months
Challenges for a collective dynamic and strengthening a culture of sharing :

- Paradigm shift : thinking about transfer through economic impact and not through the vision of research funding ;
- Project accelerator and not a funding window.

4 AXES

Partnership research projects

5 projects / 7,6M€

Produce research results that can be used in an industrial context and a laboratory demonstrator.
Developed by academics with the involvement of industrialists.

Technology transfer projects

15 à 20 projects / 12,8M€

Initiate a transfer process by ensuring the realization of technological objects transferred to companies.
Carried out as part of a consortium by partners, public and private, including at least one member of Campus Cyber.

Support for technological entrepreneurship resulting from research

Continuous training for the industrial fabric

Scientific entertainment

Matinale recherche

State-of-the-art & gaps

2 H

Presentation of research tools
Presentation of research projects

Conference

What's Next Prospective ?

1 day

Conferences : Keynotes / round table
Scientific project presentation

Ateliers - Workshop

Who's doing what ?

½ day

Industry – Research meeting
Workshop - Fablab, Training, Entrepreneurship, …

Reception of delegation

National & International Outreach

Exchanges – Collaboration
FR / EU / International

Hub Research & Innovation

Grégor Jouet
Fab Lab expert

Additive manufacturing

PCB manufacturing

Electronics

Radio

Cyber Range

Lab Cyber

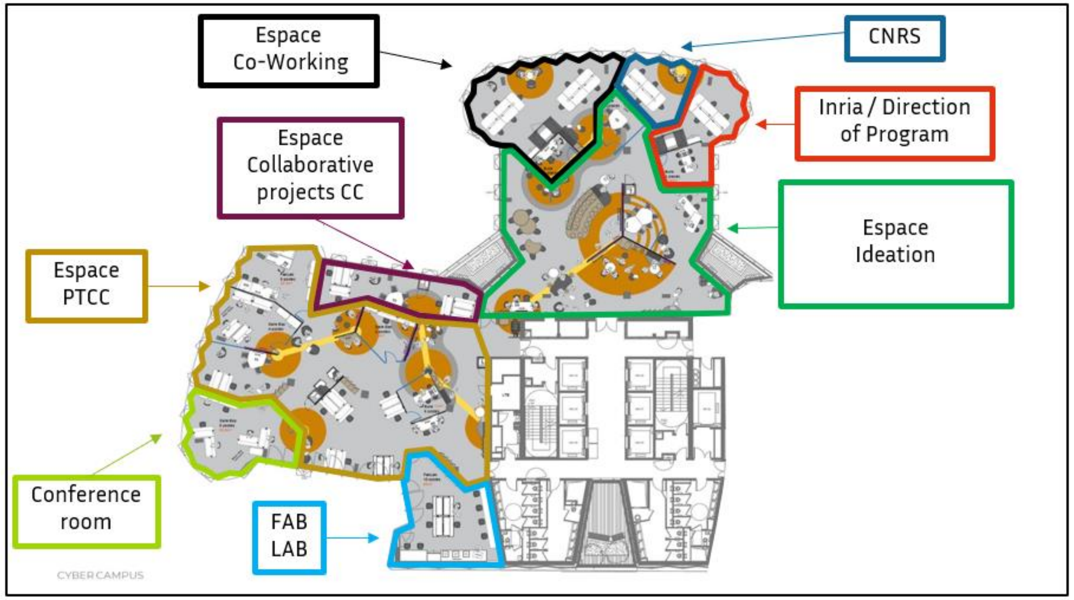
Additive manufacturing: Manufacture of high-precision three-dimensional prototypes for your products ;

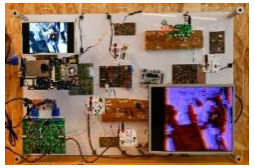
PCB manufacturing: Manufacturing your printed circuits using a milling machine, oven, soldering and hot air station, microscope specially dedicated to PCBs for the creation and prototyping of electronic circuits ;

Electronics: Inspection, reverse-engineering, qualification of electronic products using the tools made available (oscilloscope, logic analyzer, function generator, etc.);

Radio: Analysis of RF products, use of software radio station (SDR) for the study of radio protocols (identification of flaws or exploits, development of attacks, etc.);

Cyber Range: Advanced simulation solution allowing to easily model IT/OT systems composed of tens or hundreds of machines, and to play realistic scenarios including real cyber-attacks, expert training.





Thanks