RÉPUBLIQUE
FRANÇAISE
Liberté
Égalité
Fraternité

2022 was yet another active year for ANSSI and its teams.

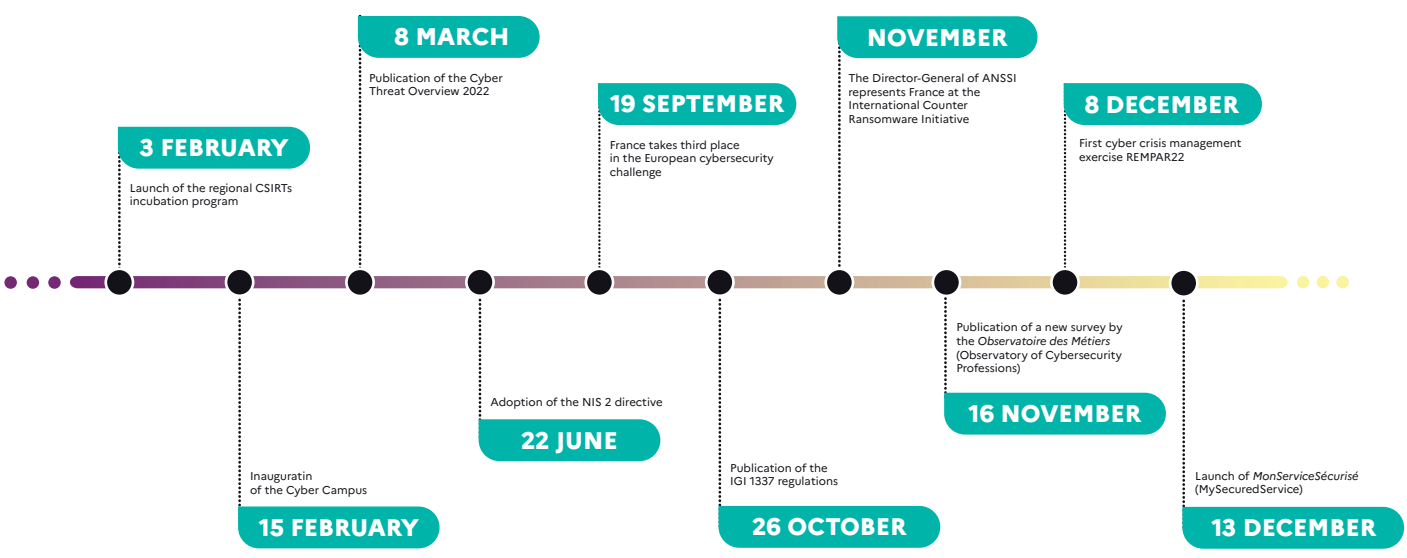
A year marked by the Russian-Ukrainian conflict and its effects in cyberspace. A year also marked by an ambitious cyber sequence within the framework of the French Presidency of the Council of the European Union (PFUE) which led to the adoption of the NIS 2 directive. Finally, a year marked by the deepening of France's strategic doctrine on cybersecurity.

To ensure a top-notch cyber resilience, the National Strategic Review reaffirmed this summer the strengths of the French cyber defense model and proposed its deepening through a greater cooperation between private and public actors, increased public awareness and renovation of the victim assistance system. Such is the ambition of the agency for these next years, an ambition that takes on its full meaning in the light of national and international events which ANSSI is confronted with on a daily basis.

Espionage, computer sabotage and ransomware are threats to which, every day, in France, businesses and public institutions are subjected. To protect the Nation from cyberattacks and strengthen the level of cybersecurity, the agency must therefore multiply its action. A mission which requires us collectively and which can be declined in several actions detailed in this 2022 annual review, from the launch of the incubation program of regional CSIRTs in February to that of *MonServiceSécurisé* (MySecuredService) in December. A full mission, varied, which requires agility, competence and openness.

Finally, to finish on a more personal note: having taken my duties as Director-General in January 2023, I wanted to salute the work accomplished by the ANSSI teams again this year. I've known, from the beginning, that I could count on their commitment to meet the many challenges ahead of us.

Vincent Strubel
Director-General of ANSSI



1 DEFENDING AND ASSISTING

ANSSI's mission is to defend the Nation's critical information systems and to structure at the national level the assistance to victims of cyberattacks. If a drop in ransomware activity was first noticed in the middle of 2022, a multiplication of ransomware attacks has been observed since the summer, particularly against local authorities and health facilities. The agency teams have been mobilized to limit the often-substantial impacts. Computer espionage has also persisted and constitutes the threat category which most involved ANSSI over the past year.

As a cyber incident response center (CERT-FR), the agency supports the strengthening of the defense of the State's information system. In this capacity, in 2022 it helped build 10 departmental CSIRTs. With the interdepartmental digital directorate (DINUM), the agency also developed automated cyber defense functions on the State's interdepartmental network, while continuing to deploy information systems security supervision resources within different departments.

The implementation of the French Recovery Plan continued and accelerated in 2022, having assisted 950 beneficiaries, including 715 local authorities. This plan particularly aims to help entities initiate a cybersecurity course, to support the development of regional cyber incident response centers and to promote the sharing of tools. From this perspective, efforts have been made to strengthen the response capacities of the private sector, in particular with the creation of 12 regional CSIRTs incubated by the agency and with the assistance of 5 sectoral CSIRTs. Since January 2022 and until June 2023, ANSSI has ensured through the CERT-FR the presidency of the CSIRT Network, the EU's network of national-scoped CSIRTs.

2 173 reports

831 incidents

680 grants for the recovery plan

2 KNOWING AND SHARING

ANSSI is working on the development of standard requirements to certify the security of offers. The agency published in 2022 its new framework for secure administration and maintenance providers (PAMS) and the 3.2 version of the SecNumCloud framework, explaining the criteria for protection against extra-European laws. The agency was also mobilized on the negotiation of the revision of the eIDAS regulation and on the technical support of *France Identité Numérique* (France Digital Identity, a French initiative to prove one's identity online).

The agency relies on the research community to build partnerships such as the agreement signed with the CEA in June to strengthen collaboration in cybersecurity and enable the development of innovative tools, particularly on vulnerability research. The agency supports INRIA at the Cyber Campus for the transfer of innovative technologies to industry.

In 2022, ANSSI strengthened its policy of sharing and using TLP/PAP operational information. Until then, the agency was using the only marking defined by the Traffic Light Protocol (TLP), which was itself derived from the incident response community. Integration of the Permissible Action Protocol (PAP) complements the TLP on the data use side by adopting a similar scale.

ANSSI is also fully committed to improving European cyber capabilities. To do this, ANSSI has been designated national coordination center (NCC-FR) and will be in charge of supporting the European cyber competence center in its search for cyber excellence. In addition, the meeting in the first semester of 2022 of the CyCLONe network (Cyber Crisis Liaison Organizations Network), which brings together at the operational level the agencies in charge of cyber crisis management from the 27 EU Member-States, allowed to share strategies for national responses in the event of a cyber crisis and to coordinate the construction of a consolidated analysis of the crisis.

246 security visas issued, of which **155** qualifications and **91** certifications

8 open source publications

10 technical guides published

3 REINFORCING AND SUPOPRTING

ANSSI is mobilized throughout the entire national territory, in particular with the support of all territorial actors (professional associations or local authorities, innovation centers, incubators, etc.). On the eve of the opening of its establishment in Rennes scheduled for the first semester of 2023, the agency has its offices on 3 Parisian sites, including the Cyber Campus since June 2022.

ANSSI continues to develop automated services intended for its beneficiaries as ADS (Active Directory audit) and SILENE (assessment of exhibition space on the Internet). The implementation in the fall of 2022 of *MonServiceSécurisé* (MySecuredService), a State start-up incubated by the ANSSI innovation laboratory and member of the Beta Gouv network of State incubators, is also part of this process to develop services designed for beneficiaries by offering a new solution to strengthen the cybersecurity of all digital public services (websites, mobile applications and APIs).

Support for beneficiaries has also been strengthened through the development of sectoral strategies which set objectives by sector and for the agency. In this context, ANSSI led the strengthening of the State's preparation, including a review of its digital security governance.

In November, the European Parliament voted on the directive NIS 2. The text, which was a real success for the French authorities since it was voted under the French Presidency of the EU Council, advocates a massive strengthening of the cybersecurity of the economic structure and administrations within the EU. It results in a considerably wider scope of application, with a number of regulated entities which should increase tenfold, and the inclusion of new sectors. Its implementation will enable thousands of entities to better protect themselves and will be an opportunity to widely mobilize the national economic fabric and the public sector.

40 job creations

149 new recruits

22,8 millions euros (2022 budget excluding payroll)

4 TRAINING AND RAISING AWARENESS

ANSSI encourages the sharing of knowledge in cybersecurity and the development of the cyber sector and training courses. While the cyber job market is booming, the agency presented in November 2022 a new survey by the *Observatoire des Métiers* (Observatory of Cybersecurity Professions) on the representations and attractiveness of cybersecurity professions among young people in study.

2022 was marked by the resumption of face-to-face training courses at the information systems security training center (CFSSI) with its new location at the Cyber Campus. 27 new courses have been added to the SecNum*edu* label, thus guaranteeing the relevance of the training courses and the participation in the reinforcement and development of teaching in the field of digital security.

Designed by the ANSSI public innovation laboratory and 110bis, the Department for Education's innovation laboratory, CyberEnJeux is a kit intended for teachers wishing to educate middle school to high school students about cybersecurity by assisting them in the design of serious games on this theme. The kit's first experiment was launched in the fall of 2021, with the participation of more than 300 students up until January 2022, allowing the creation of several dozen games.

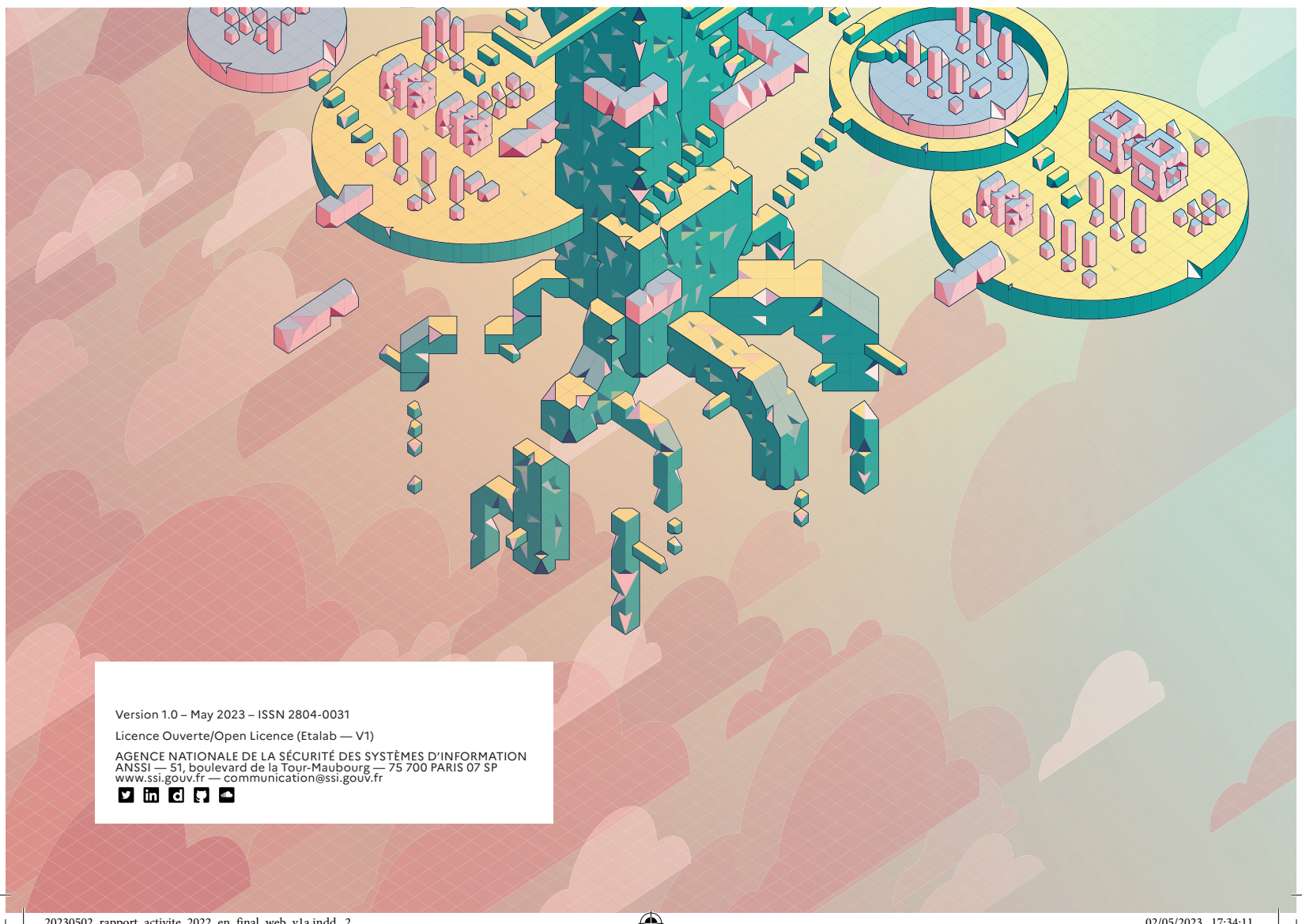
The first REMPAR22 cyber crisis management exercise, massively distributed, embodied a change of position for the agency in its ability to multiply its action. Organised in December with the Cyber Campus and the *Club de la Continuité d'Activité* (Business Continuity Club), it brought together nearly a hundred public and private organizations. The exercise was the first of its kind in France, involving nearly 70% of participants from outside the cyber community, the format having been adapted for organizations that are not yet cyber mature.

20 training courses

62 training sessions

306 101 users registered in the MOOC

1 157 people trained



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