



**jtsec**  
BEYOND IT SECURITY

# Common Criteria Certificate Statistics for 2018

V1.0





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# WHO WHO WE ARE



**jtsec** is a company that offers consulting, auditing and security evaluation services following the most recognized market standards at a price that allows businesses of all sizes to access this service

**jtsec** is made up of a team of recognized professionals in the IT security sector with more than 30 years experience in this field. Most of our professionals have worked as evaluators and auditors in the most recognized certifications and standards of the sector (ISO27001, ENS, RGPD, SOC 2, Common Criteria, FIPS 140-2, etc.) and are able to join forces to provide a service of the highest quality.

# VALUES WHY WE EXIST

## TECHNICAL EXCELLENCE

We have come to raise the baton of technical excellence. With the highest qualification we can certify the security of your products and systems. We are 100% committed to a lifelong learning process.



## COMMITMENT TO OUR CUSTOMERS

We are determined to solve your problems, not to create new problems. Your project will be successful - there is no other option. We take the standard of excellence in dealing with clients to a new level.



## TIME TO MARKET

By doing our job on time, we can give a competitive advantage to our customers. If time is a constraint you can count on us. We put all our resources at your disposal to be not only the best but also the first.



# Introduction

## *Why this report?*

Historically, the Common Criteria Portal web ( <https://www.commoncriteriaportal.org> ) has contained the list of evaluated products. Each Certification Body is responsible for sending each new certified product to the web, along with its Certification Report and Security Target.

All this information is provided in the web, which even provides a Statistics section. This section however provides no graphical representation of the numbers and there is room for improvement regarding, for example, the evaluation laboratory, evaluation trends regarding the type of products certified (a categorization is provided, but it does not reflect state-of-art in security products) and other things, so we thought that an “all-in-one” report would be great for the Common Criteria community!

During the past 17<sup>th</sup> Common Criteria Conference that took place in Amsterdam in 2018, our team presented a tool that could bring a breath of fresh air to this scenario.

## *How it is created?*

CC Scraper is a python script that analyses automatically the information from the CC portal using OCR capabilities, pdf reading and other features providing a comprehensive statistics report of the CC certifications.

The current version still depends on Common Criteria portal contents, and therefore a mismatch between each CB certified products and the statistics shown in this report may appear if the Certification Bodies do not timely send new updates to the web or the webmaster does not update the product list.

CC Scraper outputs a CSV file from where this report is semi-automatically created.

## *Contribute!*

Feel free to share the results shown in this report, and do not hesitate to tell us any error that you find, we will correct it as soon as possible.

If you want to know a specific statistic or you think that it could be interesting for the community, please share it with us and we will include it in next versions of this report.

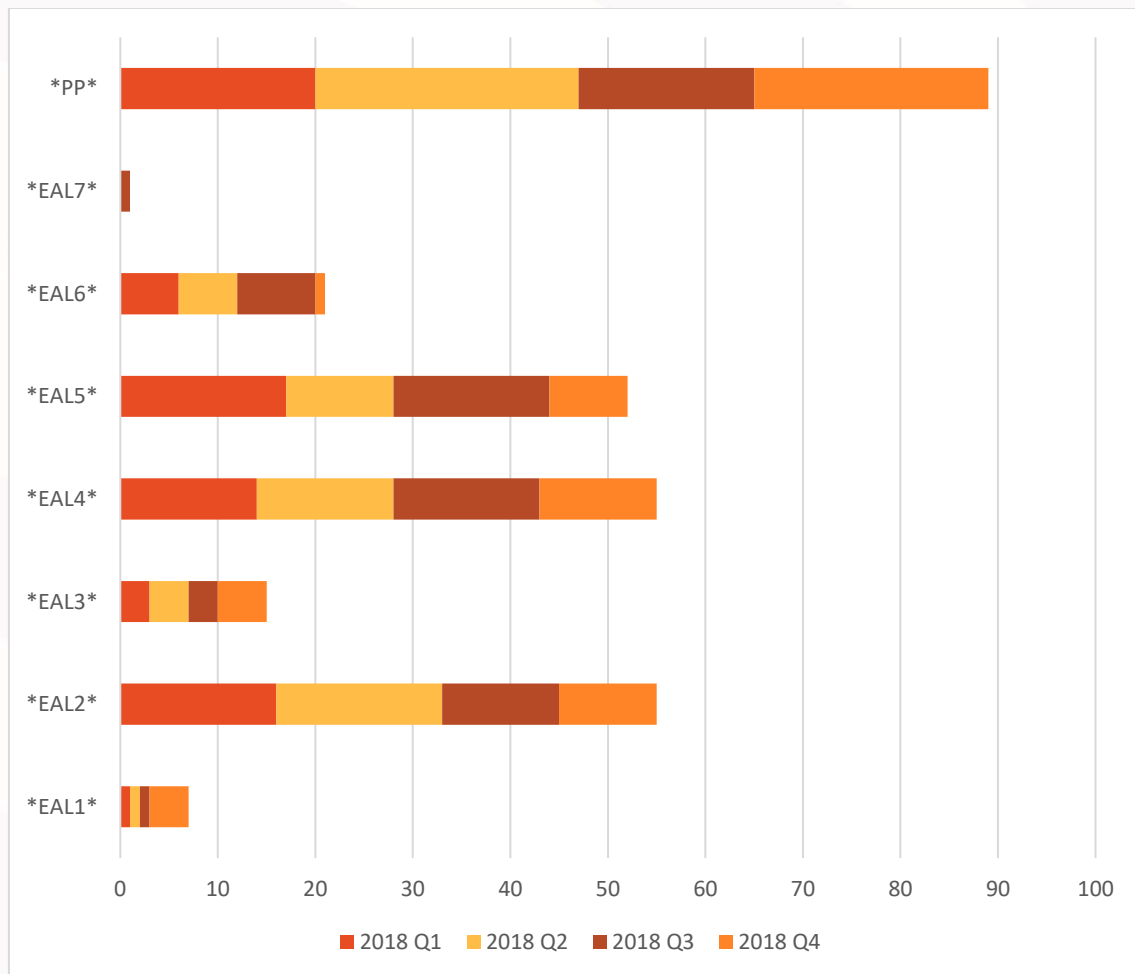
# CC Statistics for 2018

These are the detected trends for 2018:

In 2018, 295 products have been certified with a clear relevance of Protection Profile based assurance level. 64 products were evaluated on the fourth quarter of 2018 in contraposition to 90 on the same term of the previous year.

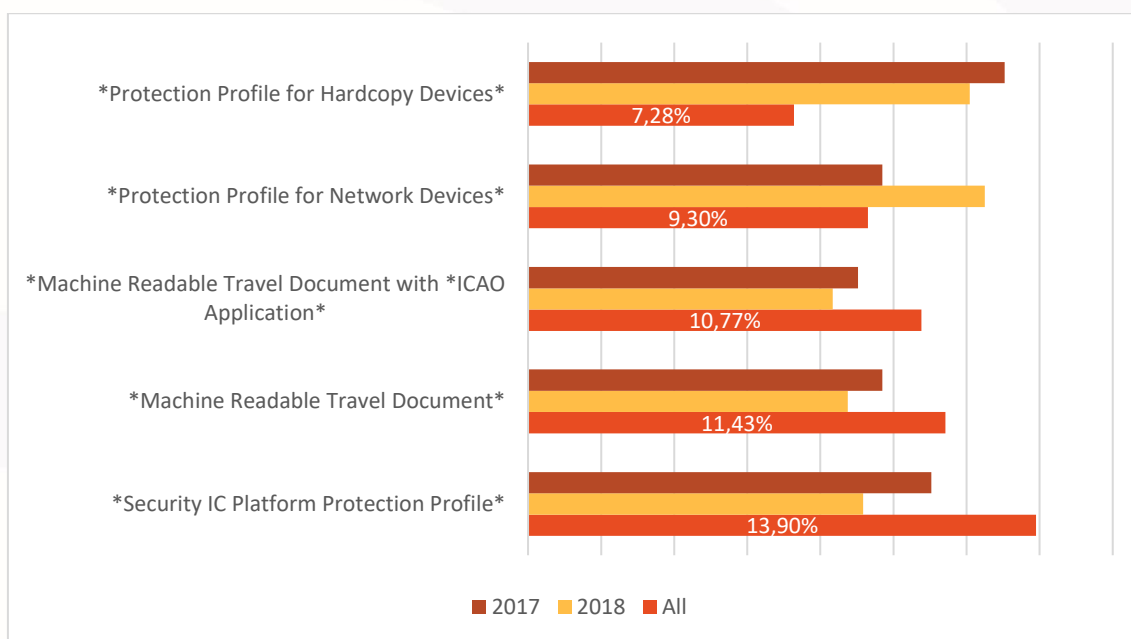
On the other hand, the trend to use Protection Profiles on evaluations has been even larger in 2018. While in 2017, 79 products were evaluated using Protection Profiles and 91 with an EAL 2, which was the most frequent EAL, in 2018 these figures were of 88 and 55 respectively.

The trend for highest and lowest EALs is very similar to the one observed in the previous year. Only one evaluation has been performed with an EAL7 and seven using a level one. In the past year no evaluations were carried out using EAL7 and 9 used EAL1.

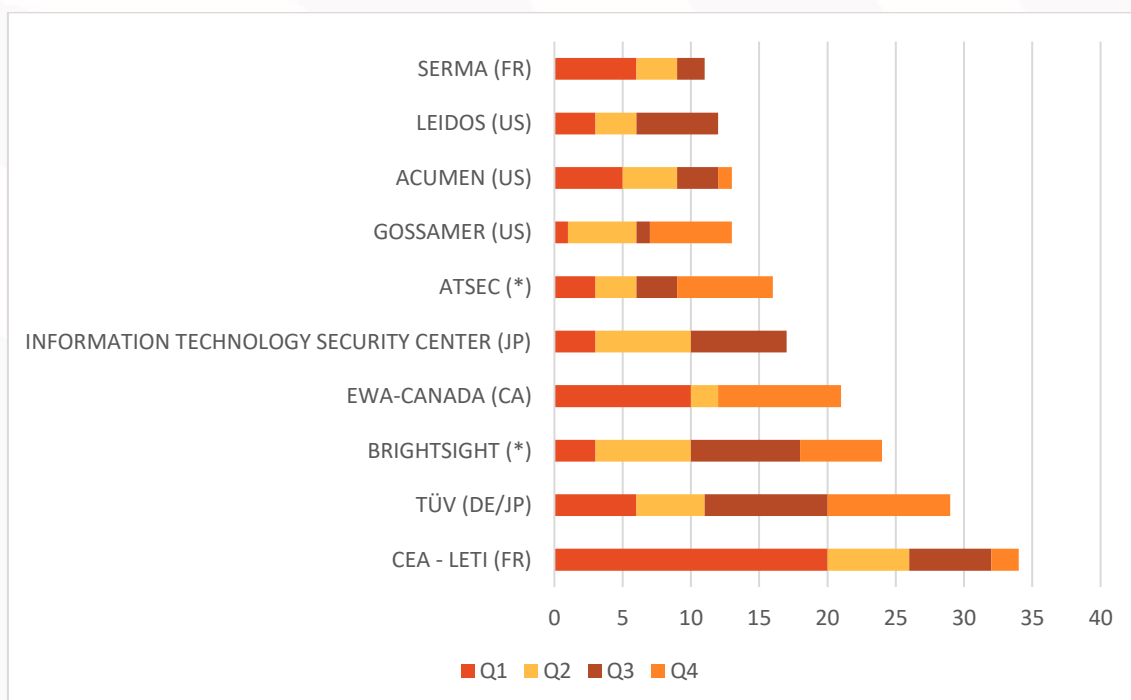


In regards of used Protection Profiles, the Protection Profile for Network Devices was the most used in 2018 while the Protection Profile for Hardcopy devices has remained almost as relevant as it was in 2017.

Another noticeable value appears in relation to the Security IC Platform Protection Profile. While it has been historically relevant, used at almost a 15% of the evaluations using PPs, it has dropped below a 10% in 2018.



The lab that evaluated more products during this past year is LETI with 34 certified products, thanks to the great number of products evaluated during the first quarter:



In the manufacturers ladder, there is a stalemate between NXP and Infineon with 21 certified products in 2018 by each of them. On the third place, there is Samsung who certified 13 of their products, closely followed by Gemalto with 12 evaluated products.

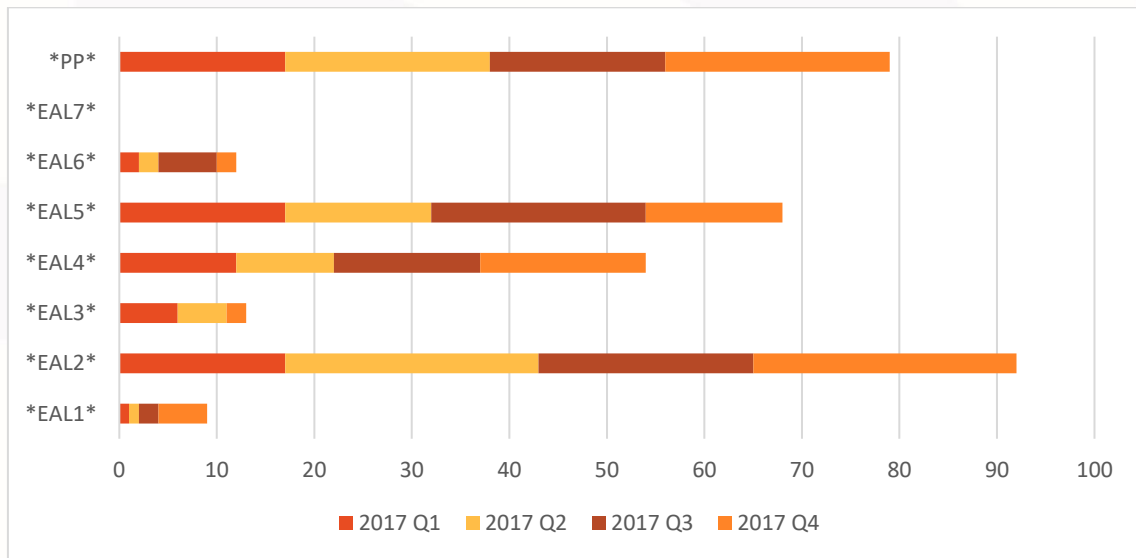




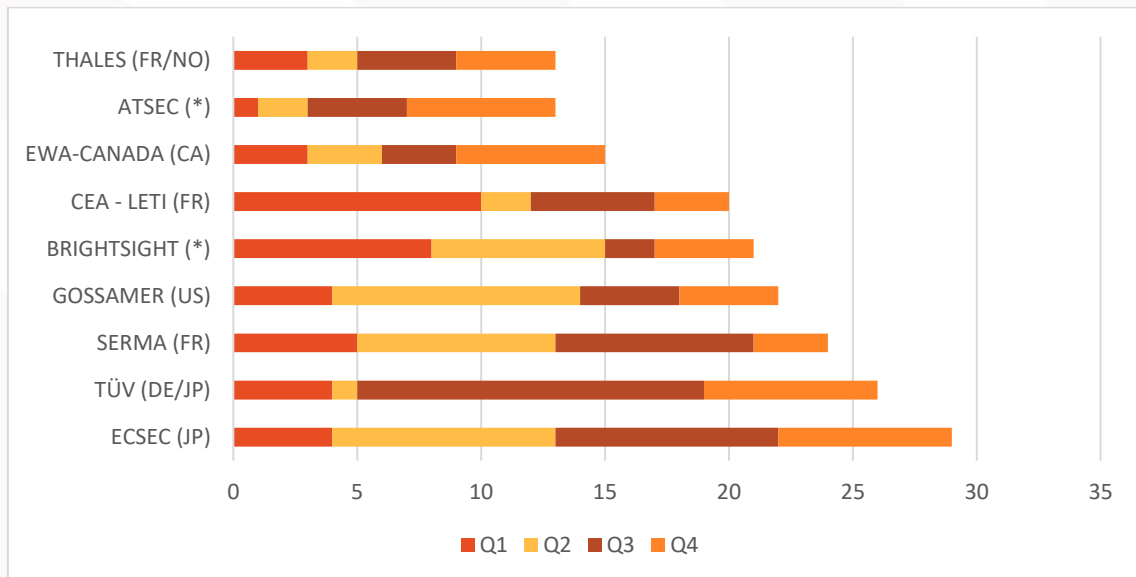
# Previous highlights - 2017

These were the detected trends for 2017.

327 products were certified during 2017. EAL2 was the most used assurance level and no EAL7 evaluation was done in the whole year. Only 9 EAL1 evaluations were conducted, and the most productive quarter was the fourth one, with 90 products evaluated.



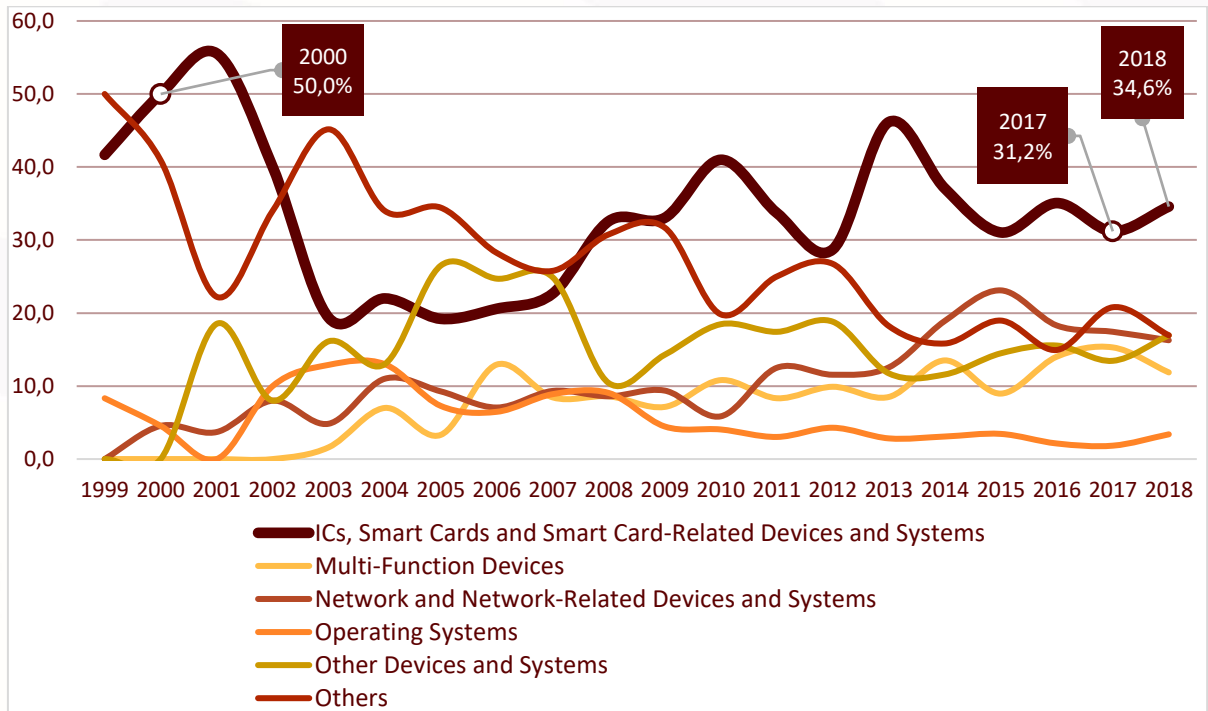
The most productive lab during 2017 was ECSEC, with 29 products evaluated. 7 labs certified only one product in the whole year and the German scheme was the most used.



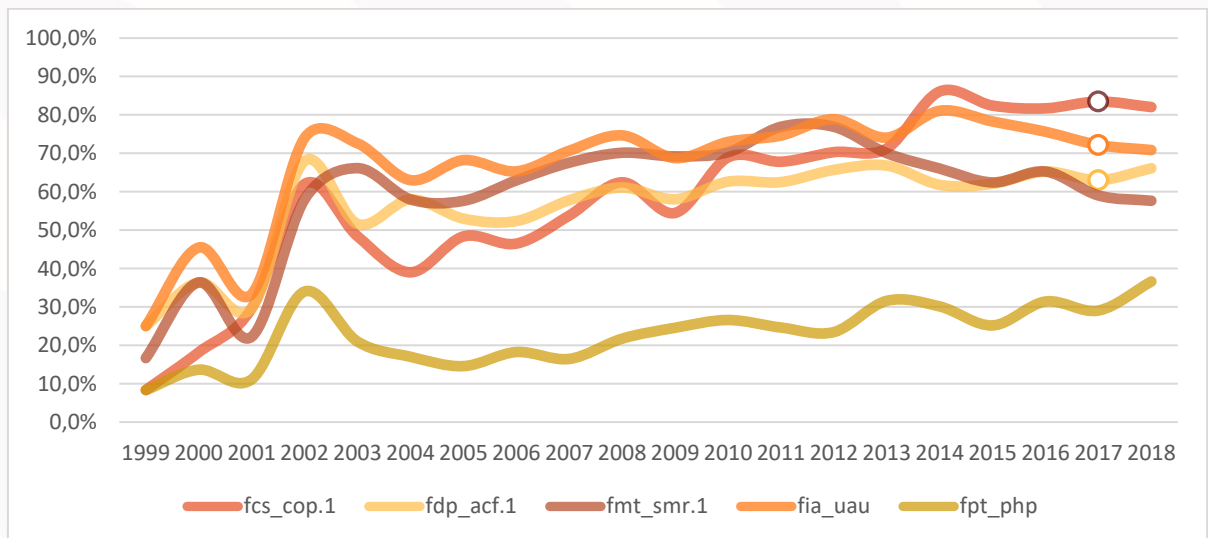
# Historical trends

This section contains historical trends from the very beginning of Common Criteria certification. Archived products (products where the certificate status is no longer valid) are included for the sake of completeness.

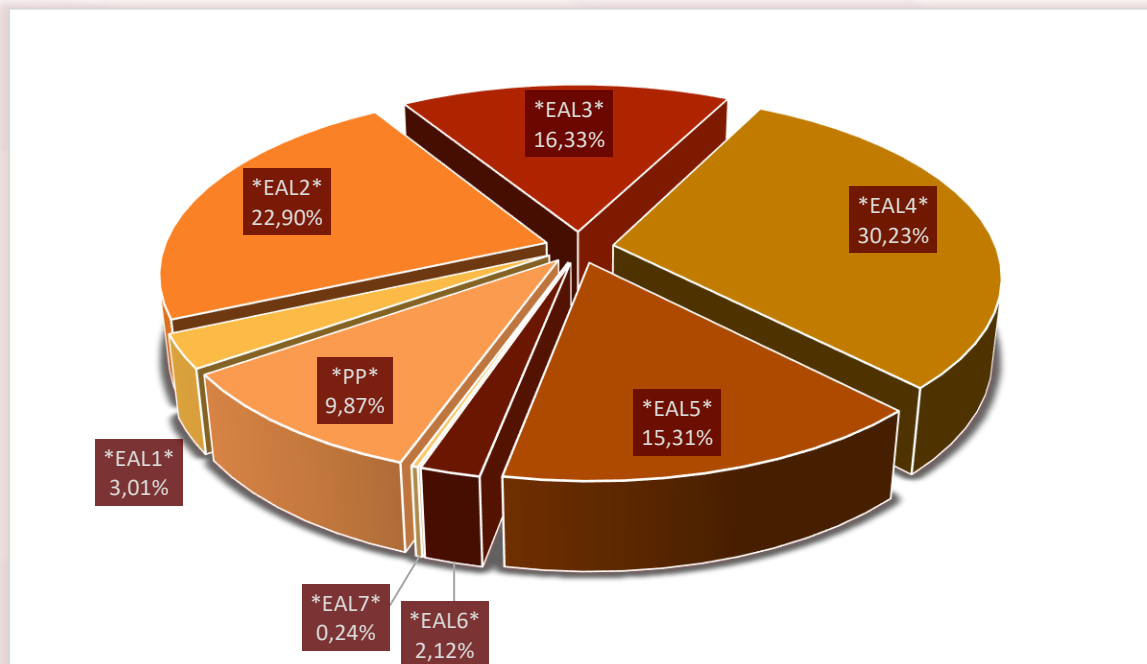
Categories by year (relative to the number of certified products):



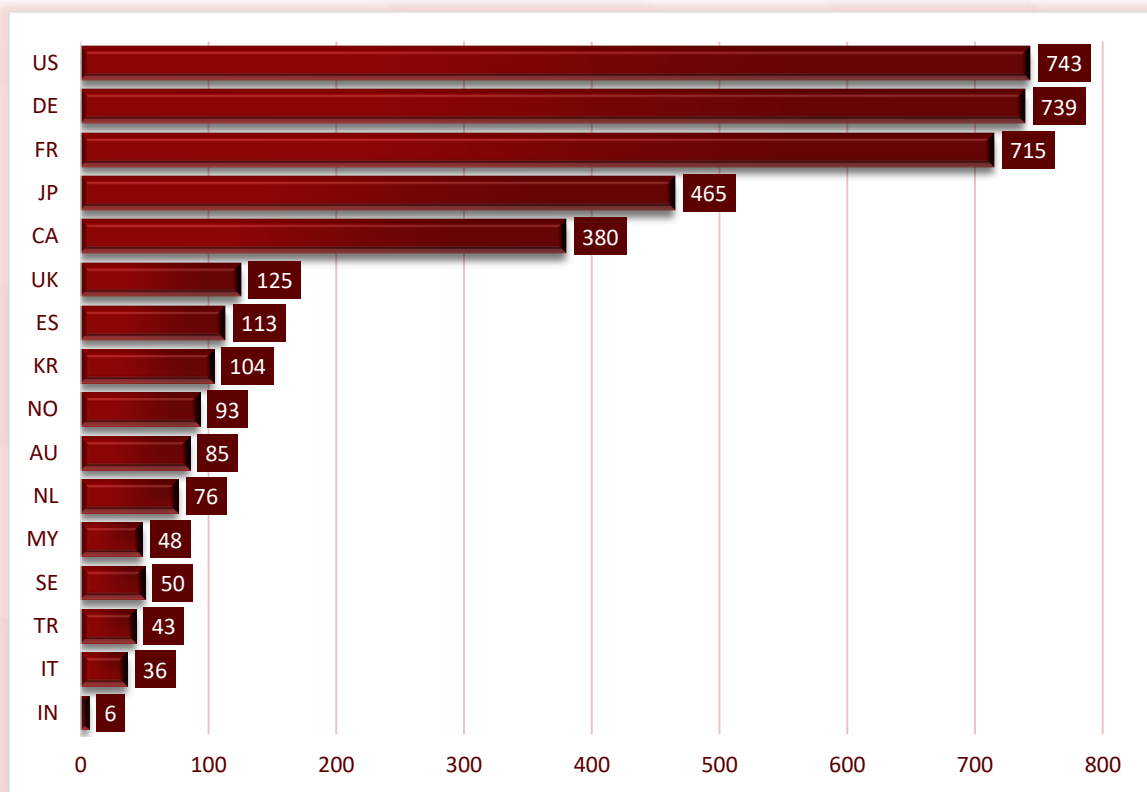
Most used SFRs:



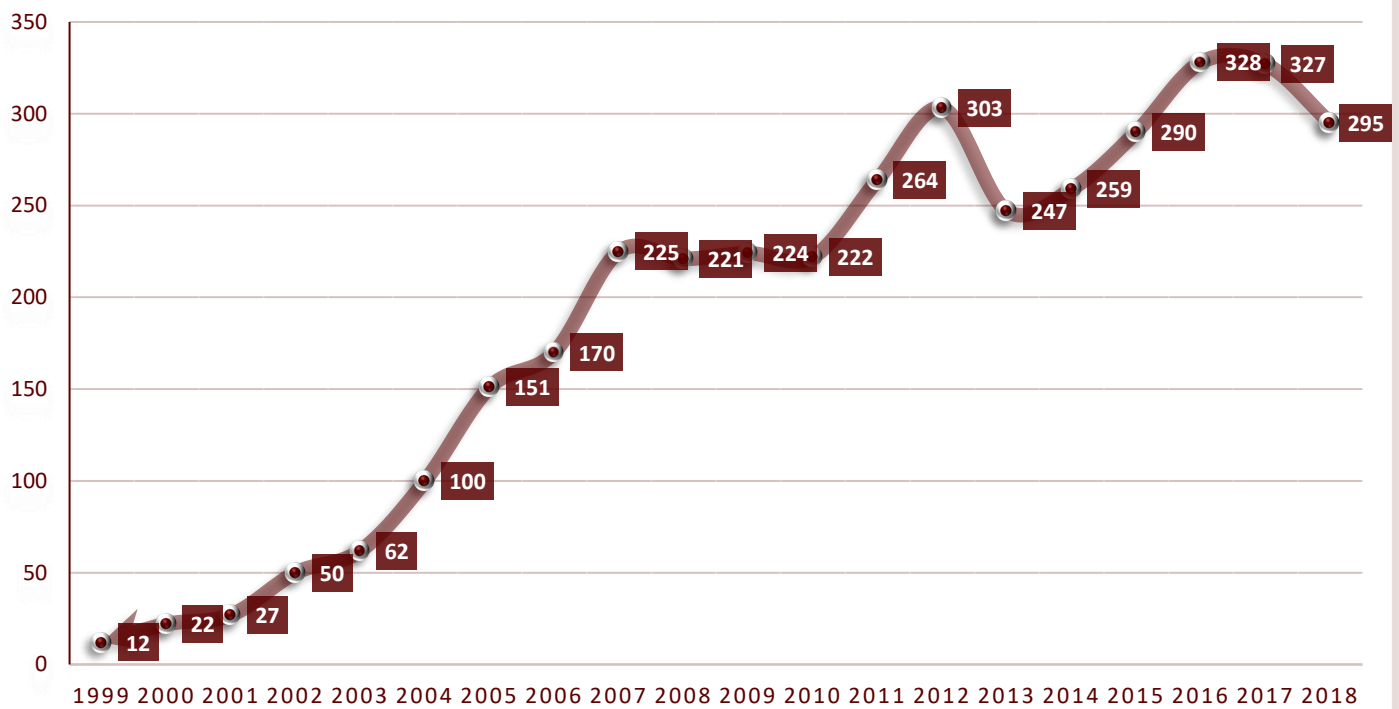
Most used assurance levels:



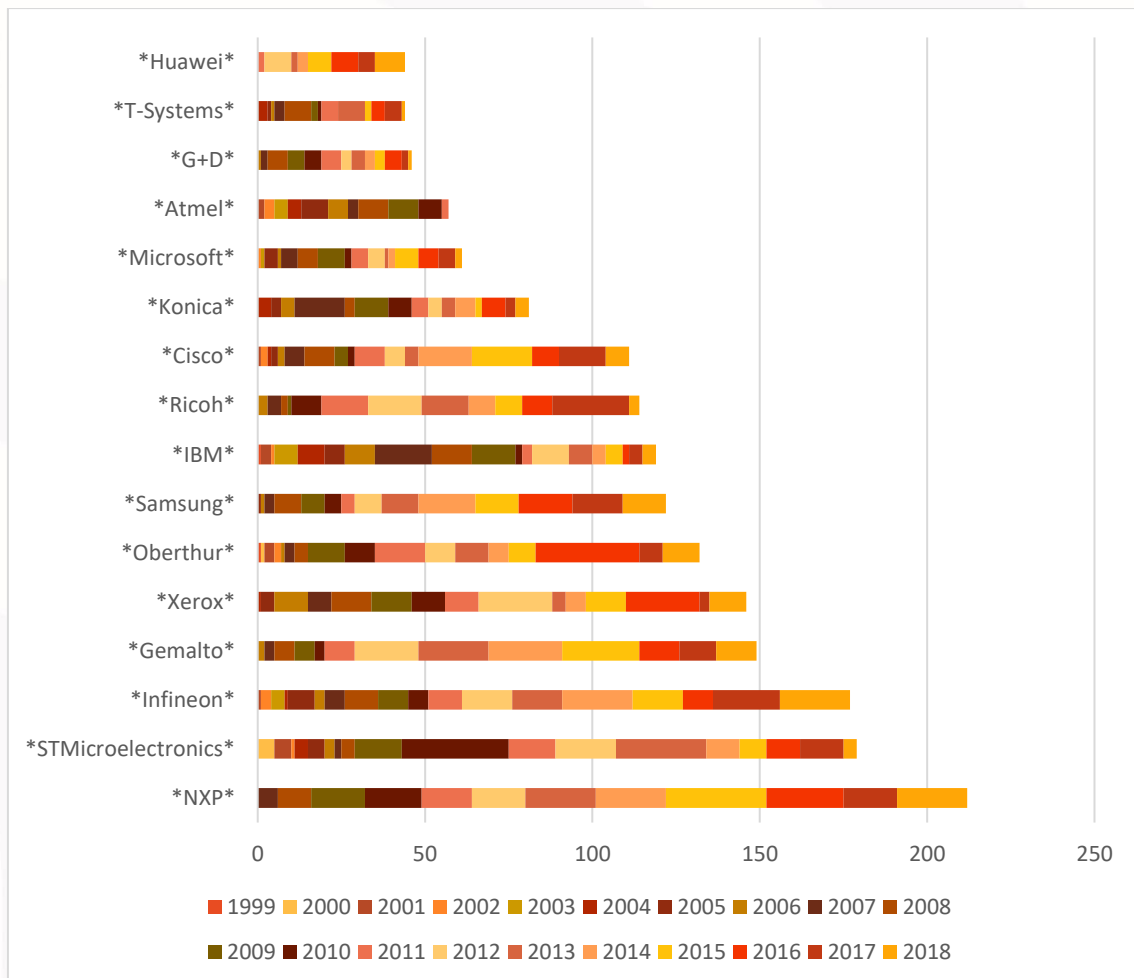
Total number of certified products by scheme:



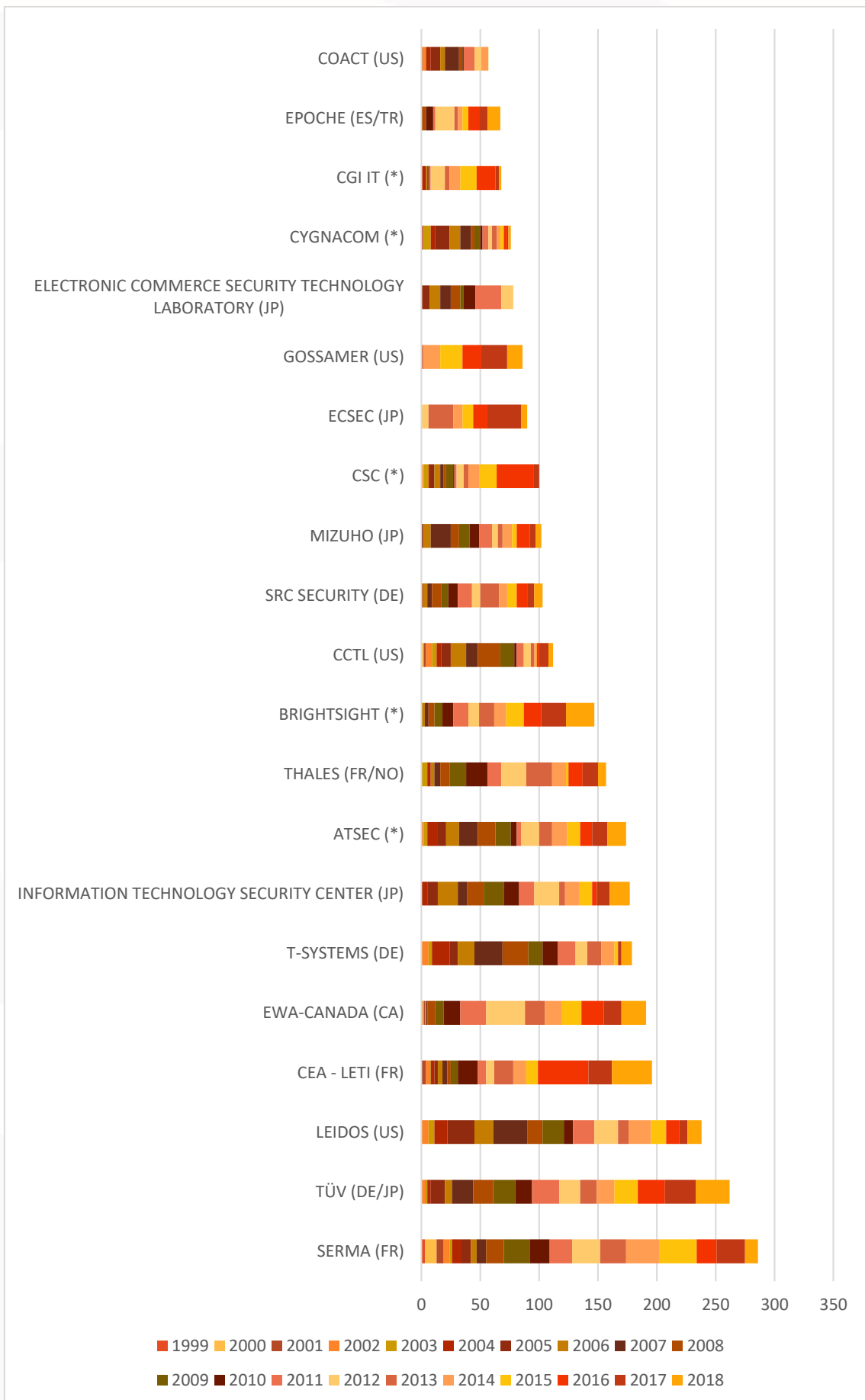
Total number of certified products by year



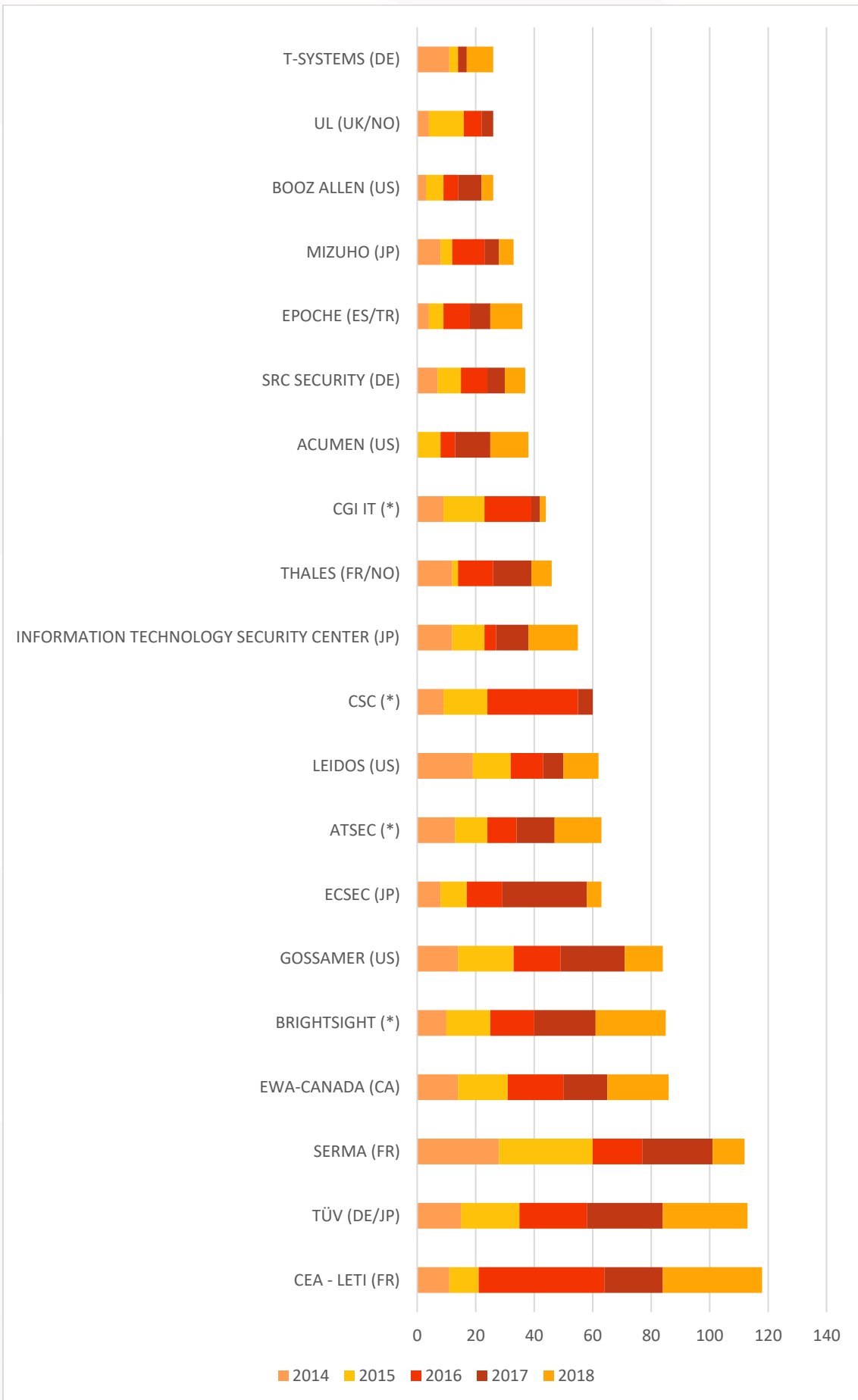
Top manufacturers:

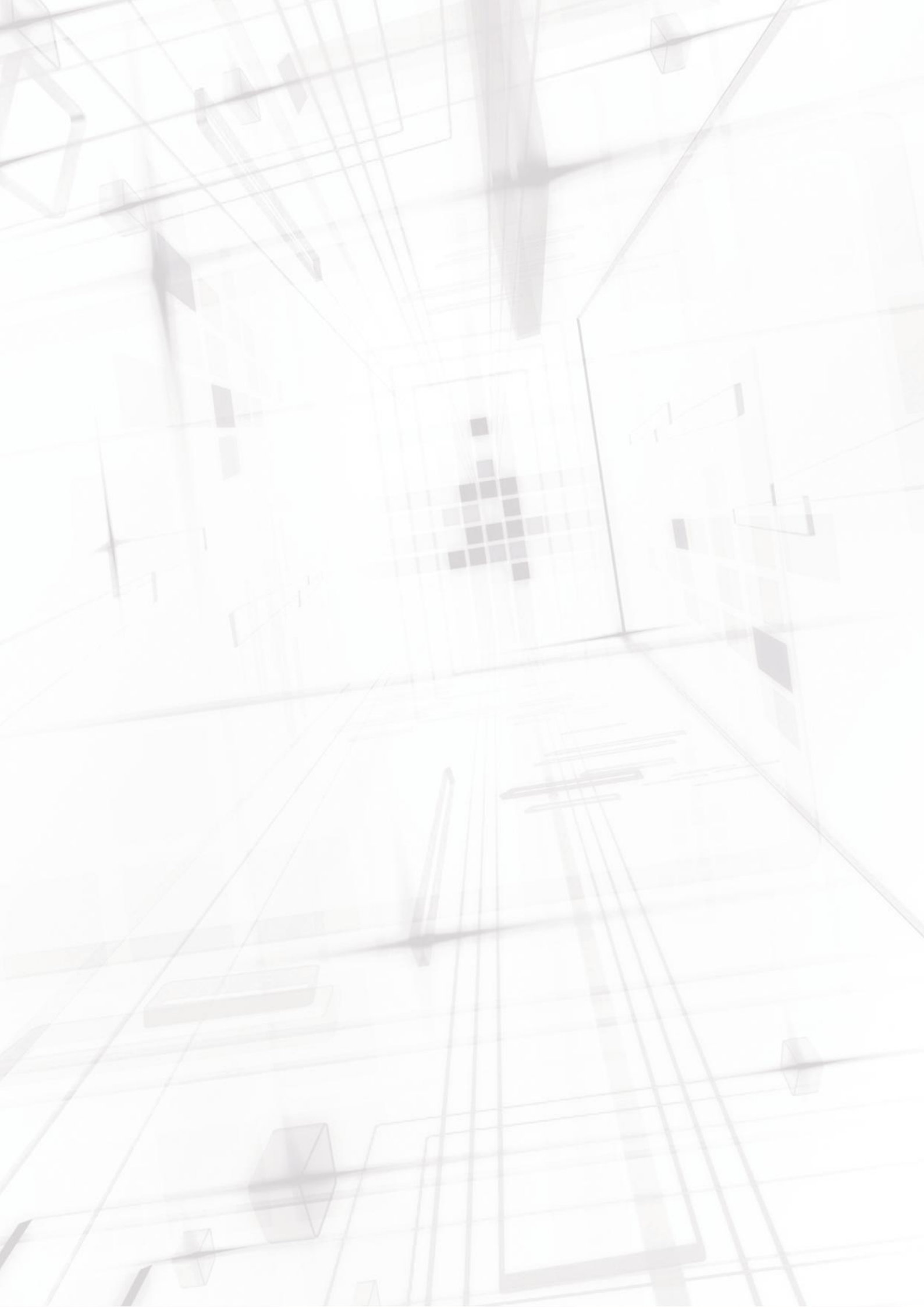


Products by lab and year:



Products by lab and year in the last five years:





# HQ

Headquarters

Atarfe, c/ Abeto s/n  
Edificio CEG (oficina 2B)  
Granada, Spain  
(+34) 858-981-999  
hello [at] jtsec.es

# CR

Career

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career [at] jtsec.es

