Economic Security 2022

Achim Berg, President of Bitkom e.V.

Berlin, 31 August 2022

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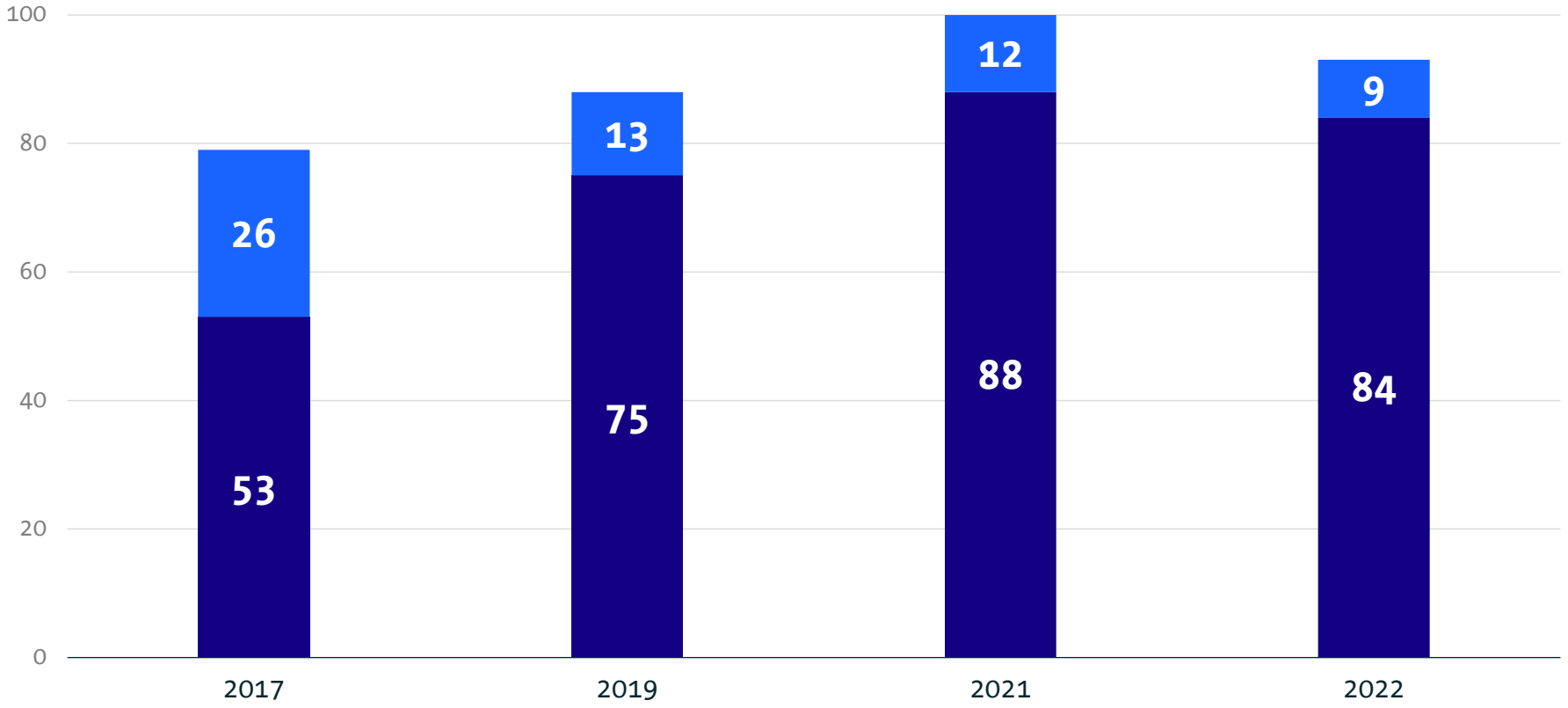
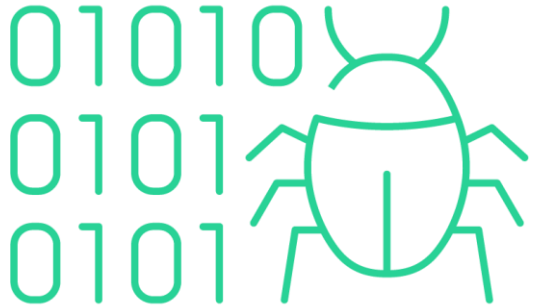
German trade and industry as a whole under attack

Has your company been the target of theft, industrial espionage or sabotage within the past twelve months (2017 and 2019: within the past two years)?





Basis: All the companies taking part in the survey (n=1.066) | Source: Bitkom Research 2022

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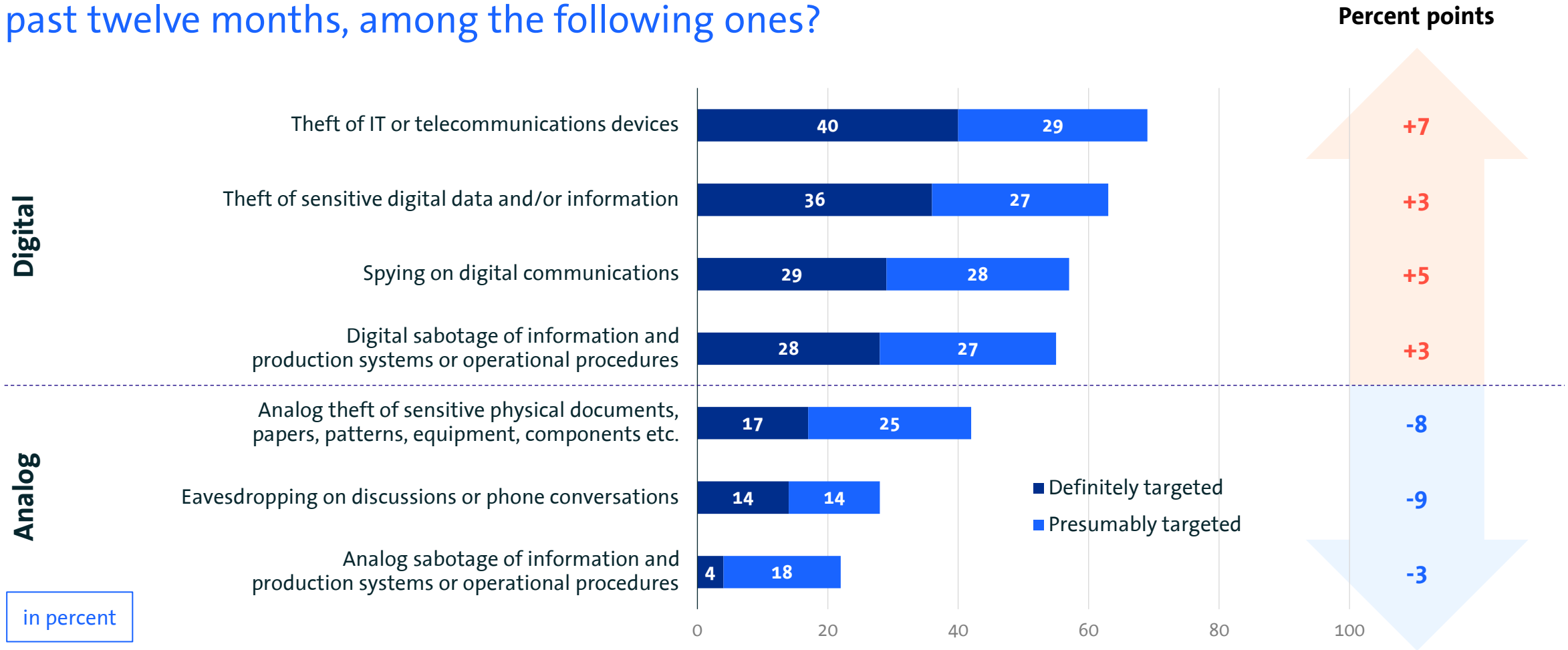
Attacks shifting into the digital sphere

What was the kind of attack carried out against your company in the past twelve months, among the following ones?



Basis: All the companies taking part in the survey (n=1.066) | Source: Bitkom Research 2022

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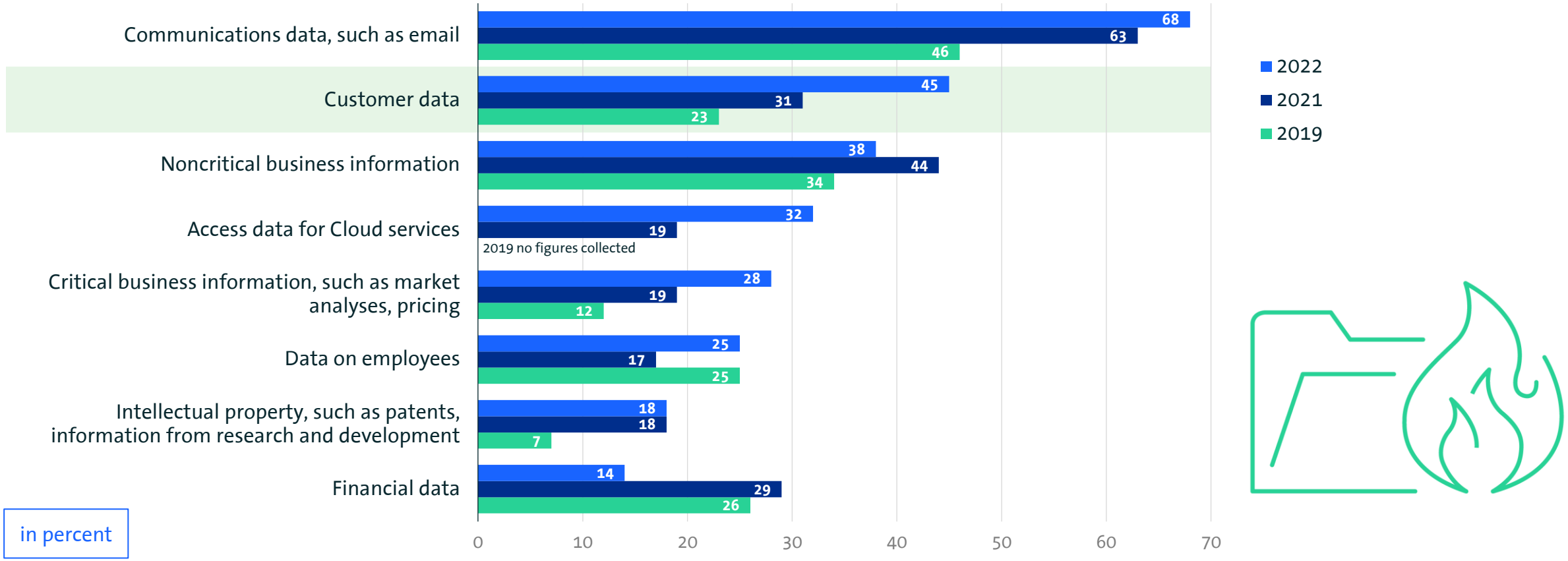
Data theft: More and more frequently it is third parties who are concerned

What was the kind of digital data stolen in your company, among the following ones?



Basis: All the companies taking part in the survey which have been targets of the theft of sensitive digital data in the past 12 months (2019: past 2 years) (2022: n=383; 2021: n=330; 2019: n=229) | Multiple choices were possible | Source: Bitkom Research 2022

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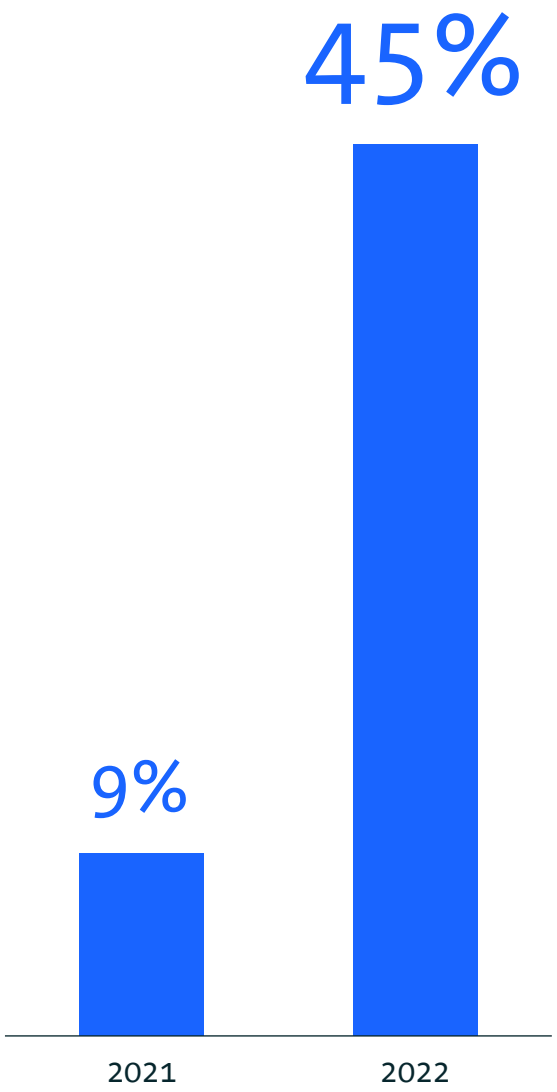
Cyber attacks threaten existence of many companies

Do you agree with the statement or not?

Cyber attacks **threaten our** corporate **existence**.



Basis: All the companies taking part in the survey (n=1.066) | Source: Bitkom Research 2022

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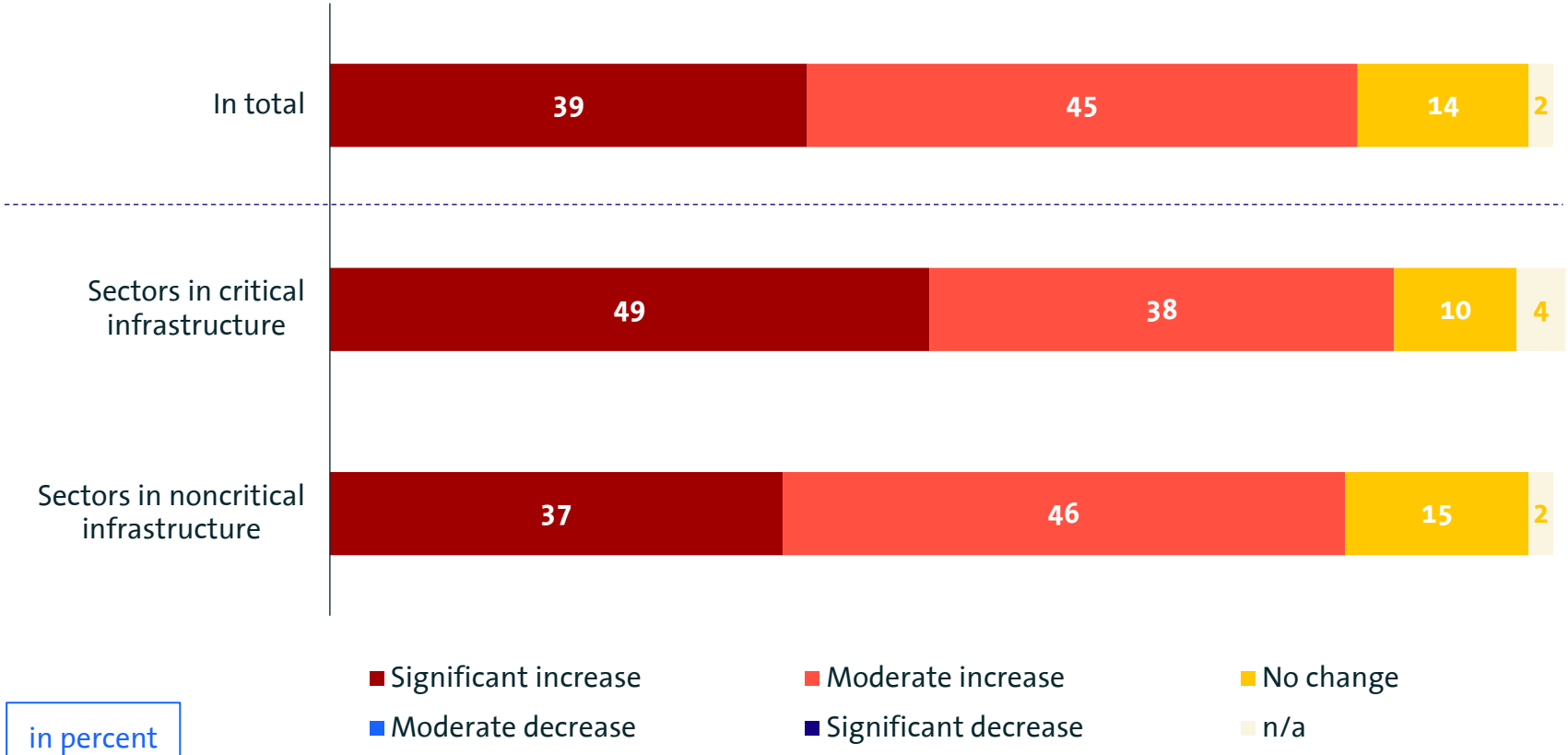
Critical infrastructures increasingly targeted by cyber attacks

How have the numbers of cyber attacks staged against your company developed in the past twelve months?



in percent

Basis: All the companies taking part in the survey (n=1.066) | Source: Bitkom Research 2022

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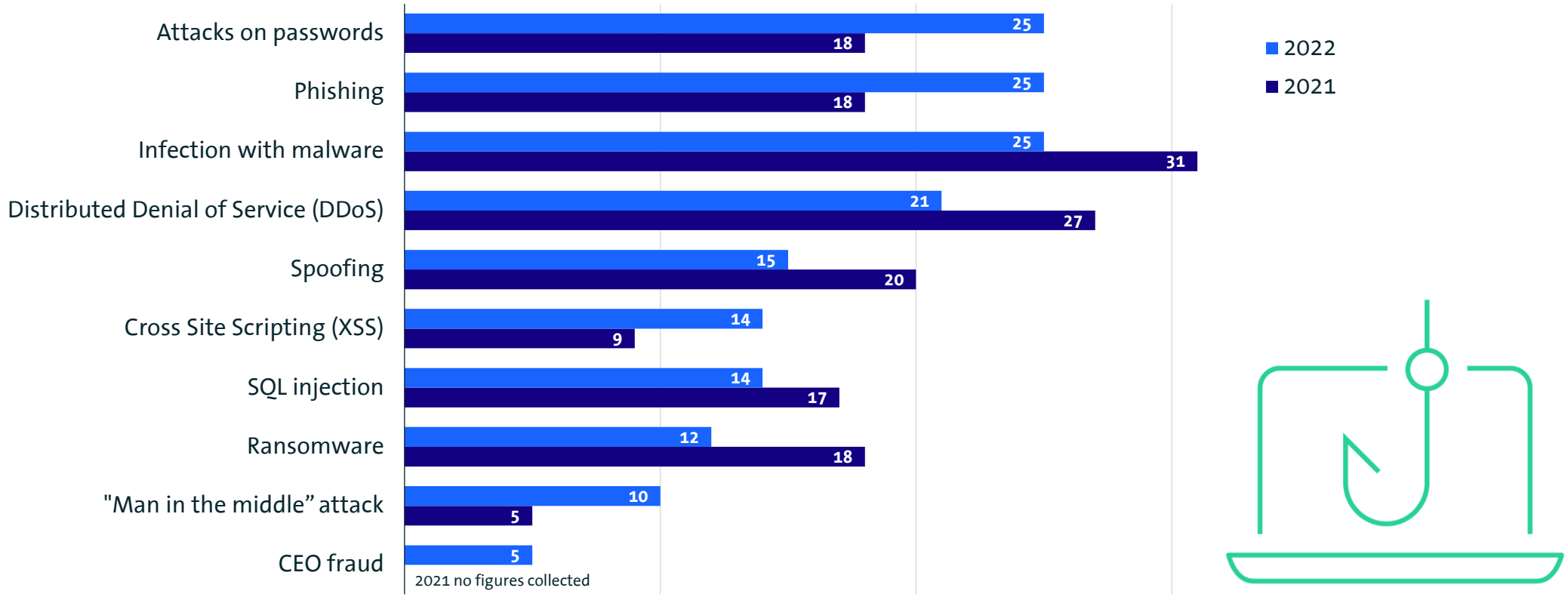
More damage due to phishing & theft of passwords

What was the kind of cyber attack that has inflicted damage on your company in the past twelve months, among the following ones?



in percent

Basis: All the companies taking part in the survey (n=1.066) | Multiple choices were possible | Source: Bitkom Research 2022

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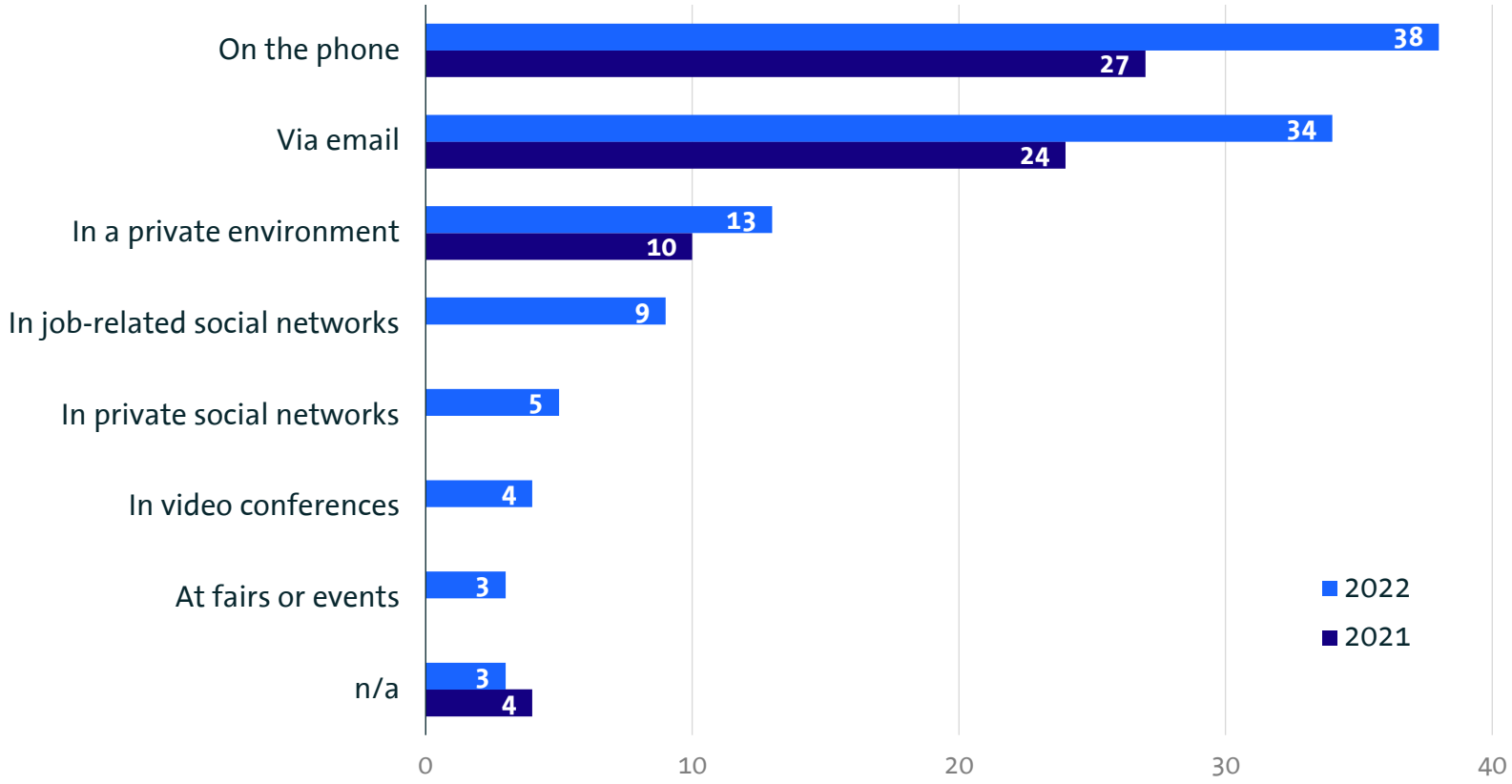
Social Engineering: Every second company among the targets

As for attempts to influence your employees through social engineering made in the past twelve months: In which of the following situations did they take place?



48%

There have been **attempts** of social engineering (2021: 41%)

in percent

Basis: All the companies taking part in the survey (n=1.066) | Multiple choices were possible | Source: Bitkom Research 2022

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Annual damage of 203 billion euros

What have been the circumstances causing damage to your company due to theft, industrial espionage or sabotage in the past twelve months?

Damage due to...	Amount of loss in billion euros (2022)	Amount of loss in billion euros (2021)	Amount of loss in billion euros (2019)	Amount of loss in billion euros (2017)
Failure, theft or impairment of information and production systems or operational procedures	41.5	61.9	13.5	5.3
Blackmailing using stolen or encrypted data	10.7	24.3	5.3	0.7
Measures under data protection law (e.g. informing of customers)	18.3	17.1	4.4	3.2
Violations of patent law (also before the application)	18.8	30.5	14.3	7.7
Revenue losses through losing competitive advantages	41.5	29	11.1	8.6
Revenue losses through imitated products (plagiarism)	21.1	22.7	11.1	3.5
Tarnished image in the eyes of customers or suppliers / Negative press coverage	23.6	12.3	9.3	7.7
Costs for investigations and compensating measures	10.1	13.3	18.3	10.6
Costs for legal disputes	16.2	12.4	15.6	5.5
Increase in staff fluctuation / Poaching	-	-	-	2.2
Other losses	0.9	0	<0.1	<0.1
Total annual damage	**202.7**	**223.5**	**102.9**	**54.8**

Basis: All the companies taking part in the survey which have been targets of theft, data theft, industrial espionage or sabotage in the past 12 months (2019 and 2017: past 2 years) (2022: n=899; 2021: n=935; 2019: n=801; 2017: n=571) | Multiple choices were possible | Source: Bitkom Research 2022

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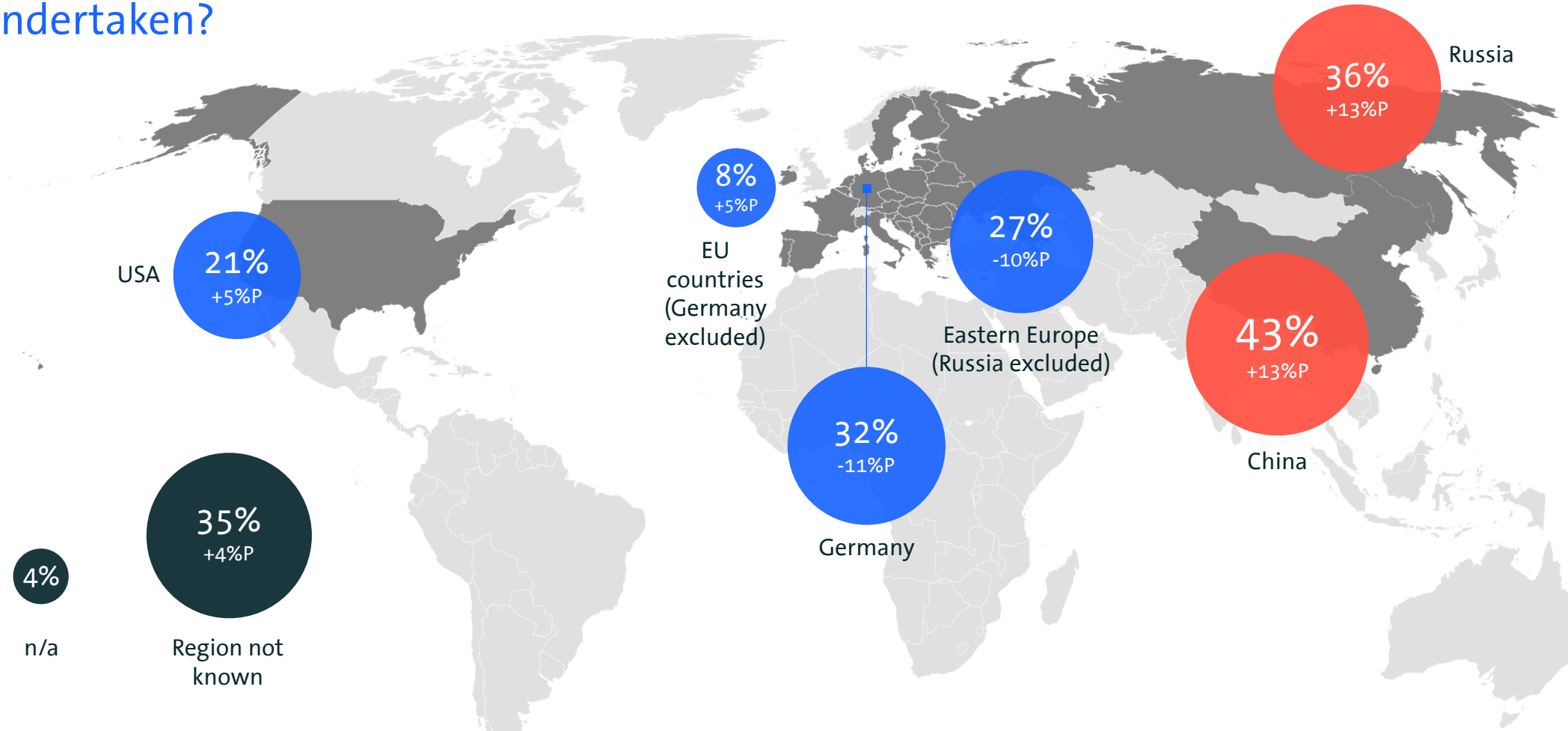
Attacks against Germany: The East has come to the fore

Have you been able to ascertain from where and/or from what region these activities were undertaken?



Percentage points (%P) compared with 2021

Basis: All the companies taking part in the survey which have been targets of theft, industrial espionage or sabotage in the past 12 months (2022: n=899; 2021: n=935) | Multiple choices were possible | Source: Bitkom Research 2022

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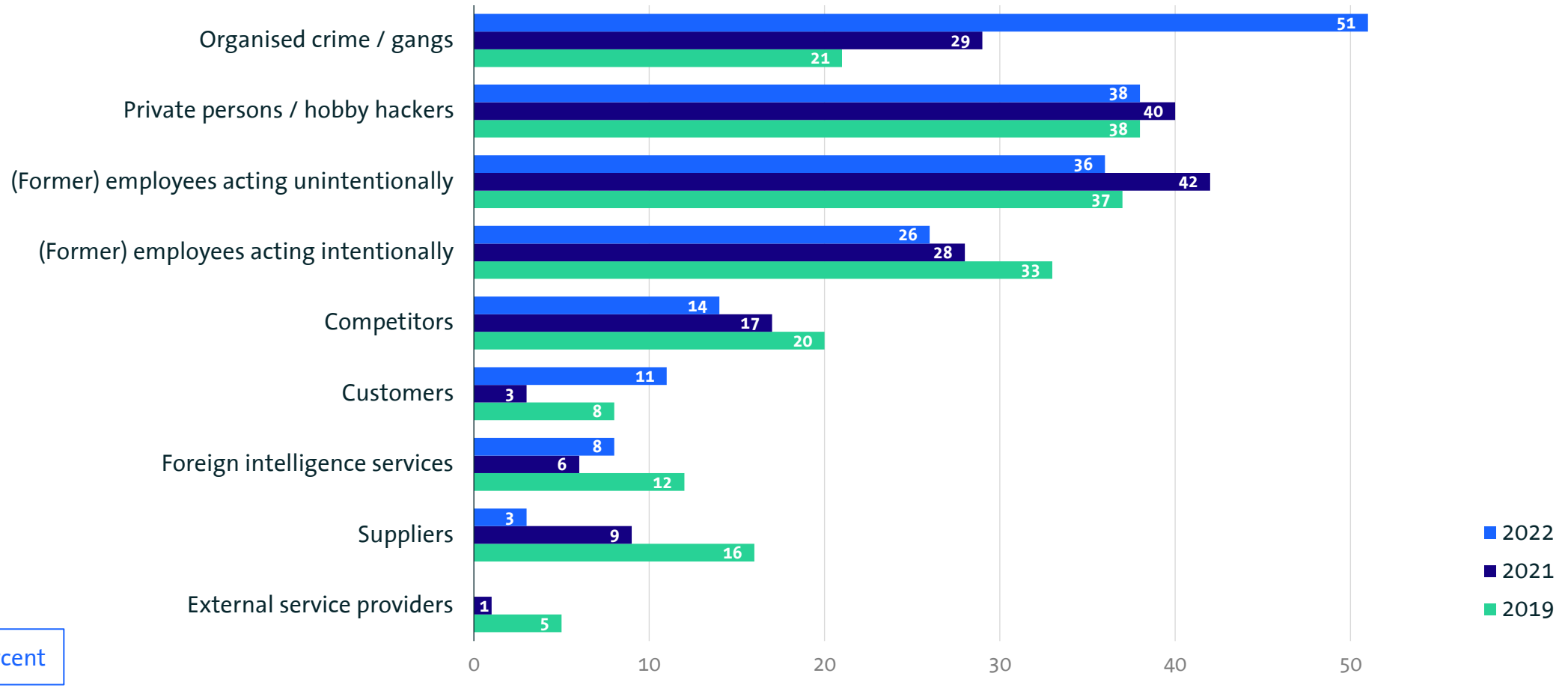
Attacks against trade and industry becoming more professional

Who were the perpetrators undertaking pertinent activities in the past twelve months?



in percent

11 Basis: All the companies taking part in the survey which have been targets of theft, data theft, industrial espionage or sabotage in the past 12 months (2019: past 2 years) (2022: n=899; 2021: n=935; 2019: n=801) | Multiple choices were possible | Source: Bitkom Research 2022

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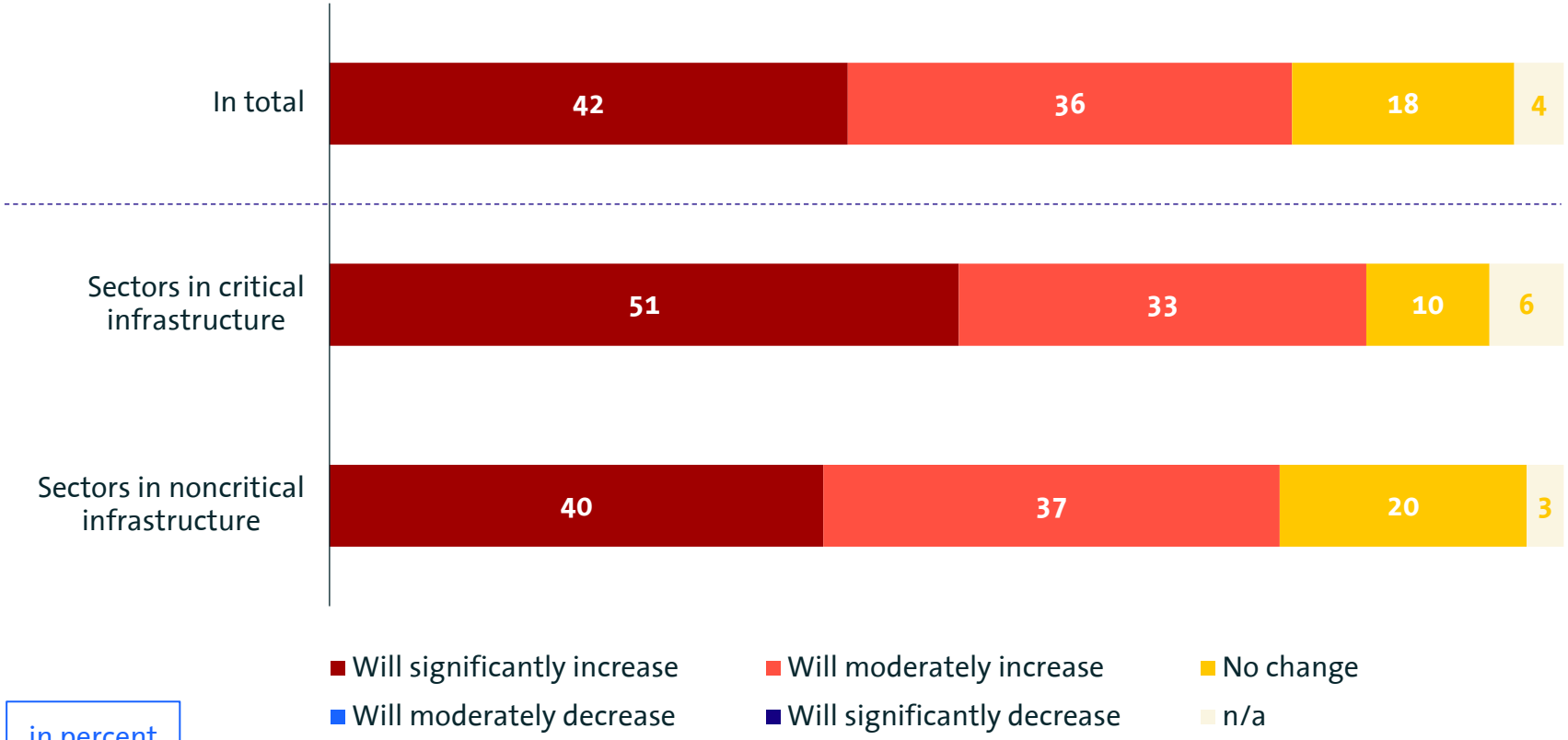
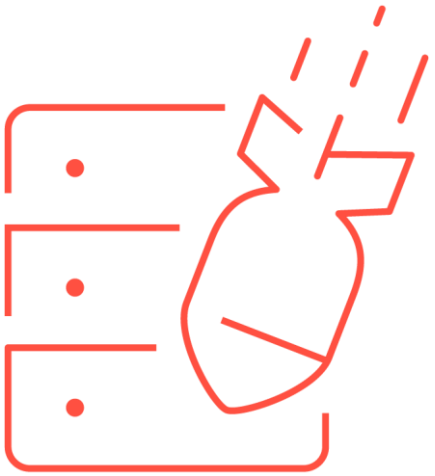
Trade and industry expect cyber attacks to increase

How do you expect the number of cyber attacks against your company to develop in the next 12 months in comparison with the last 12 months?



in percent



Basis: All the companies taking part in the survey (n=1.066) | Source: Bitkom Research 2022

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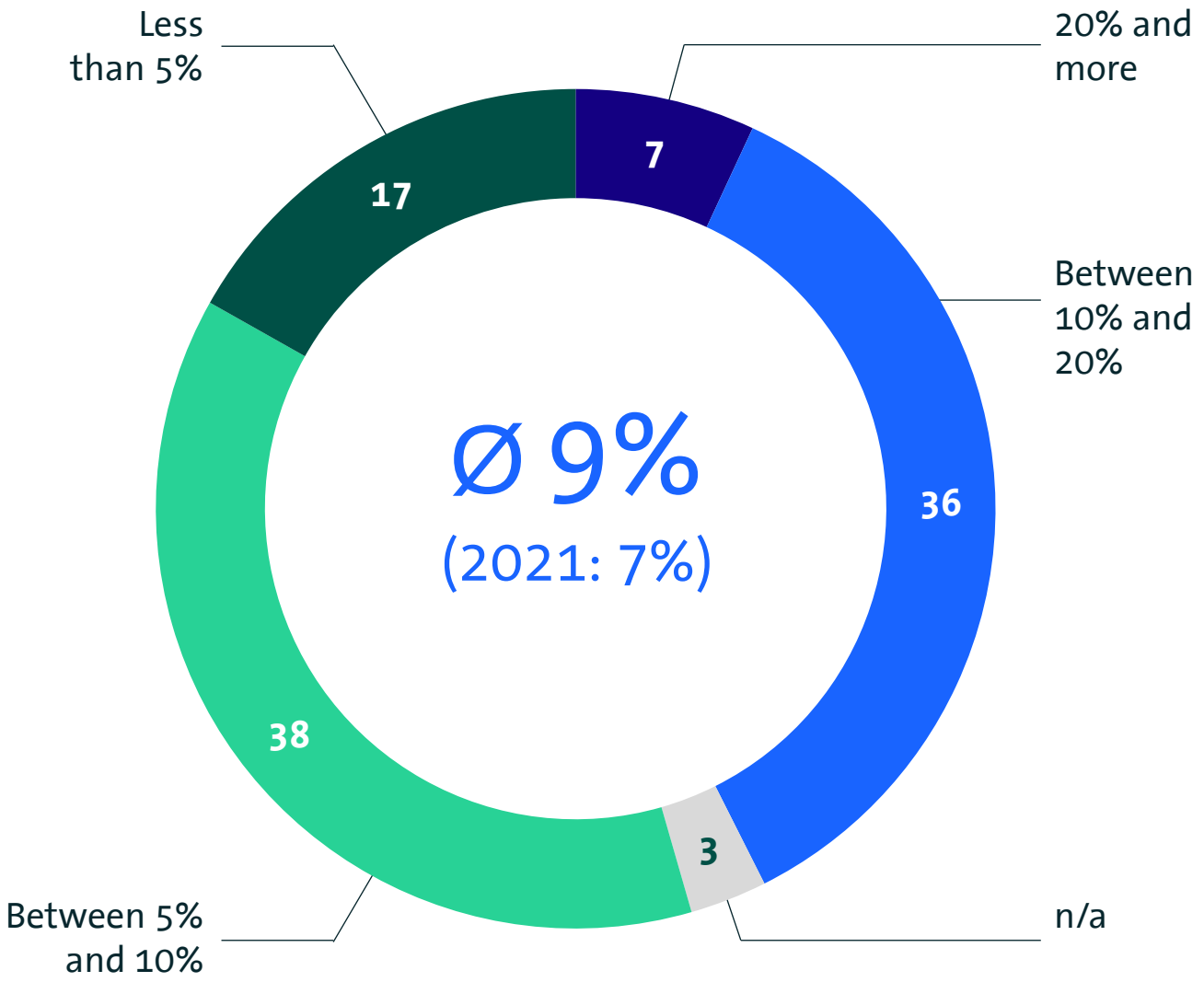
Cyber security: Percentage of investment for protection purposes increases – but too slowly

According to your assessment: What is the percentage of the proportion of the IT security budget in relation to the total IT budget in your company?

in percent



Basis: All the companies taking part in the survey (n=1,066) | Source: Bitkom Research 2022

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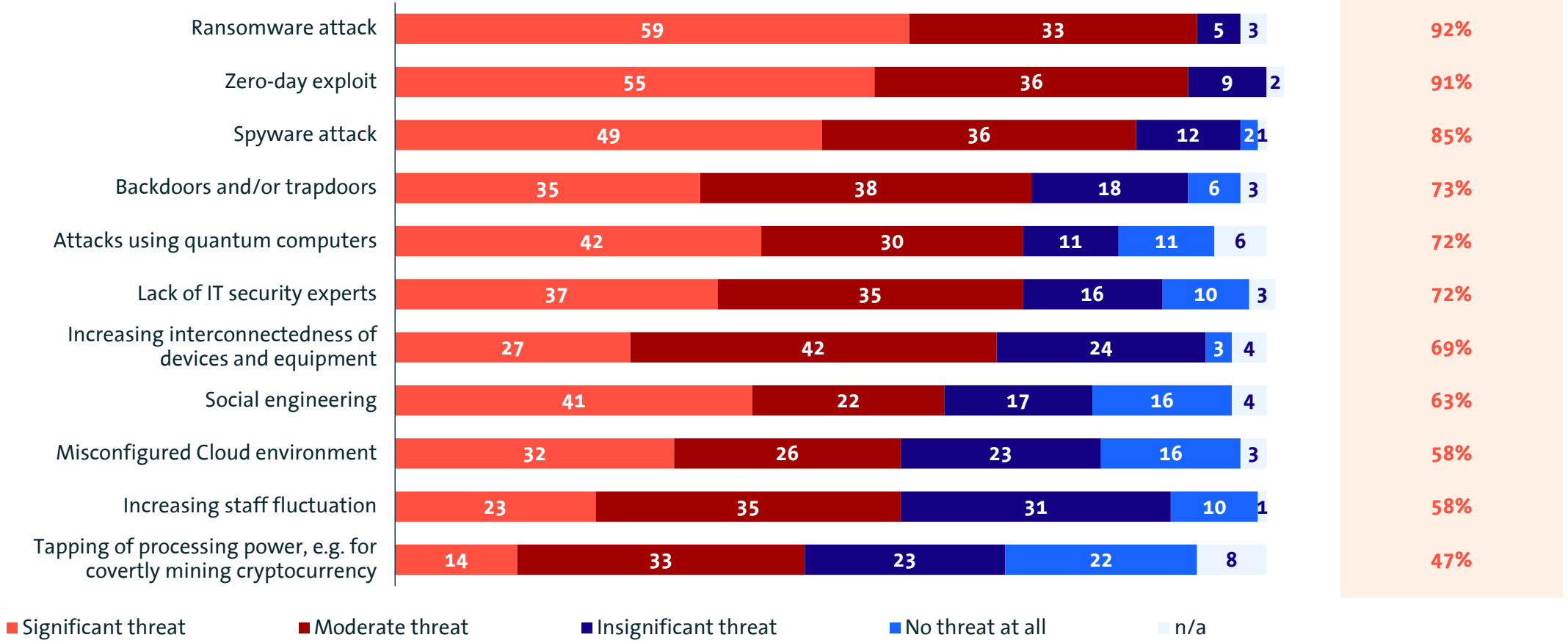
Companies fear ransomware & zero-day exploits

How much do you consider the following scenarios a future threat to your company's IT security?



Basis: All the companies taking part in the survey (n=1.066) | Source: Bitkom Research 2022

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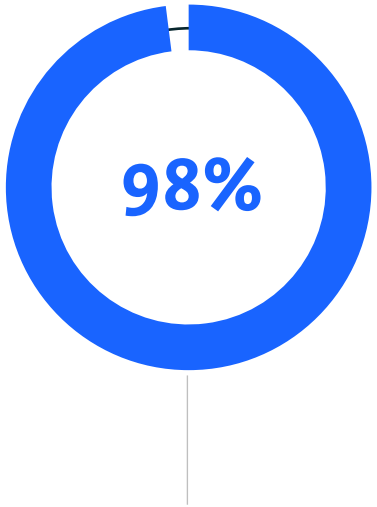
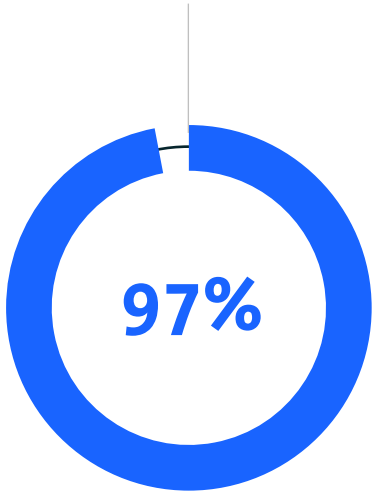
More initiative from political circles demanded

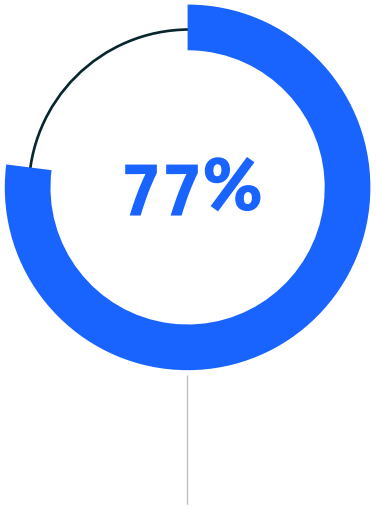
Do you agree with the following general statements on current political debates in the field of economic security?



Policy makers should actively promote **EU-wide cooperation in the field of cyber security**.

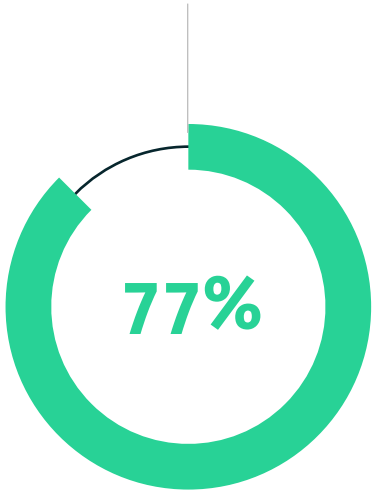
Policy makers should take **stronger action against cyber attacks from abroad**.





Policy makers should **expand investigatory powers** for the investigation of cyber attacks.

The **bureaucratic expense** for reporting incidents is too large.



Basis: All the companies taking part in the survey (n=1.066) | Percent points for “Totally agree” and “Rather agree” | Source: Bitkom Research 2022

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Survey design

On behalf of	Bitkom e.V.
Methodology	Computer-Assisted Telephone Interview (CATI)
Statistical population	Companies based in Germany having at least 10 staff members and an annual turnover of 1 million euros or more
Selection procedure	Variable sampling
Audience	Executives in charge of economic security. These include managers as well as executives from the fields of corporate security, IT security, risk management, law, finances, controlling, internal revision or compliance.
Nominal sample size	n=1.066
Period of interviewing	Between 10 January and 13 March 2022
Weighting	Variable sampling has ensured that companies from various sectors and size categories have been represented in numbers sufficient for statistical analyses. The statements of the interviewees have been weighted during analysis in a way that the results show a picture, considering sectors and size categories, representative for all companies based in Germany having at least ten staff members.
Statistical fault tolerance	+/- 3 percent

Source: Bitkom Research 2022

Contact

Bitkom e. V.

Albrechtstraße 10
10117 Berlin
T 030 27576-0

@Bitkom
bitkom@bitkom.org

bitkom.org

Simran Mann
Security Policy
Bitkom e.V.
s.mann@bitkom.org
T 030 27576-214

Andreas Streim
Press Spokesman
Bitkom e.V.
a.streim@bitkom.org
T 030 27576-112

Felix Lange
Research Consultant
Bitkom Research
f.lange@bitkom-research.de
T 030 27576-546

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