



First International Scientific Conference
"Digital Transformation, Cyber Security and Resilience"

DIGILIENCE 2019

**THE ROLE OF THE HUMAN FACTOR IN CYBER SECURITY:
RESULTS FROM AN EXPERT SURVEY IN BULGARIA**

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RESULTS FROM AN ONLINE SURVEY WITH CYBER SECURITY EXPERTS

CARRIED OUT IN THE FRAMEWORK OF THE PROJECT

***“CYBER SECURITY AND OPPORTUNITIES FOR APPLICATION
OF INNOVATIVE TECHNOLOGIES IN THE WORK OF PUBLIC
ADMINISTRATION IN BULGARIA”***

SAMPLE DESCRIPTION

92 completed surveys

15,7 % activity



95

Business
organizations



369

Public
administration



121

Academic
organizations

STRUCTURE OF THE QUESTIONNAIRE

Expertise

12%

Current state and development of human resources

Current state of the equipment and resources

29%



Policies

31%

Governance and policies

Interaction

18%

Interaction between the three main sectors: government, academia and industry.

Innovations

10%

Innovative technologies

STATE AND DEVELOPMENT OF HUMAN RESOURCES

Level of expertise of the staff responsible for cybersecurity

Corresponds to the needs

- High
- Low

30%

13%

17%



Positions held

- Management/Leadership
- Expert
- Research

Level of expertise of the respondents

- Corresponds to the needs
- High
- Low

42%

18%

15%

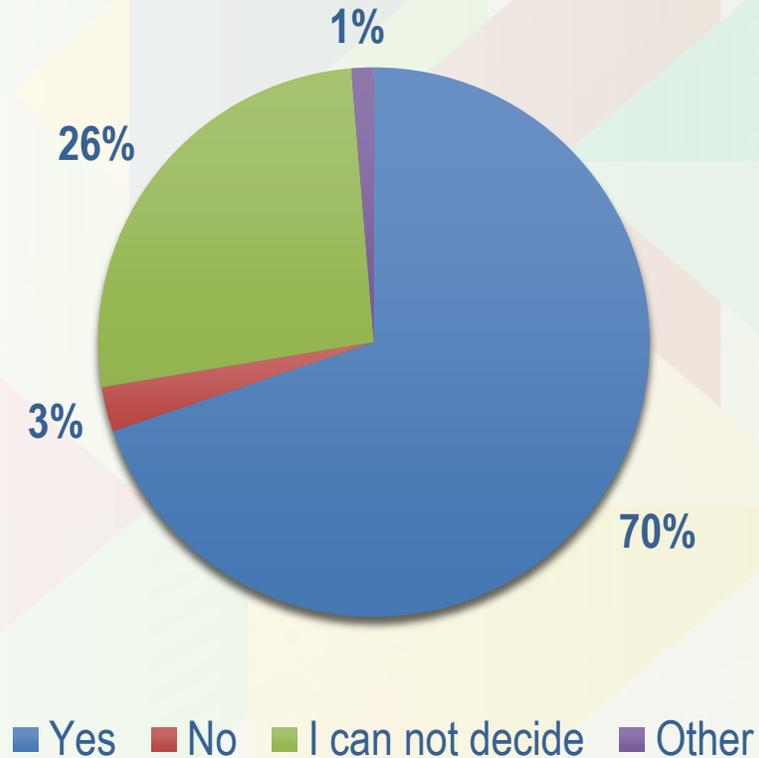
Need to pay special attention to the role of the human factor in cyber security



When was your organization's last cyber security training?



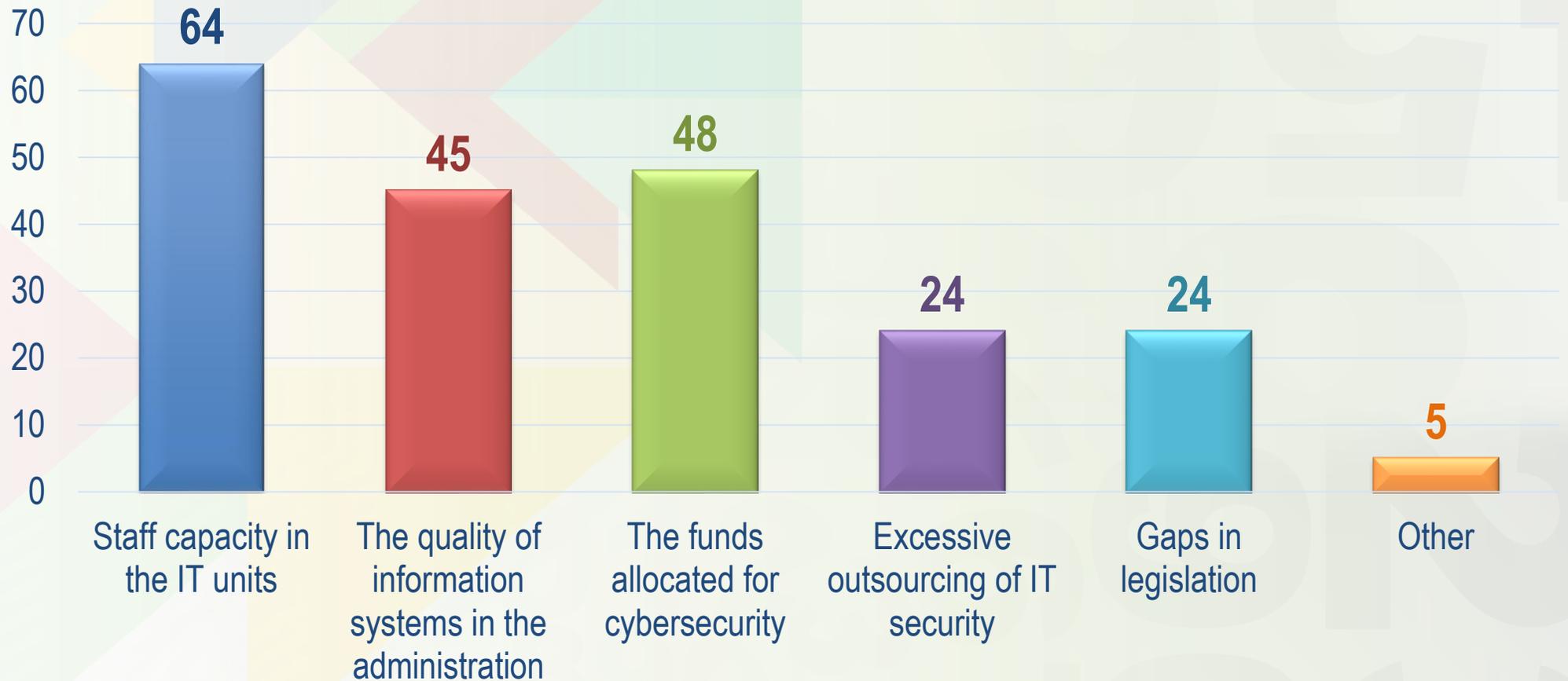
Do you think that change and development in the recruitment, education, training of personnel, retention and extracting lessons learned in the field of cyber security practices in Bulgaria are needed?



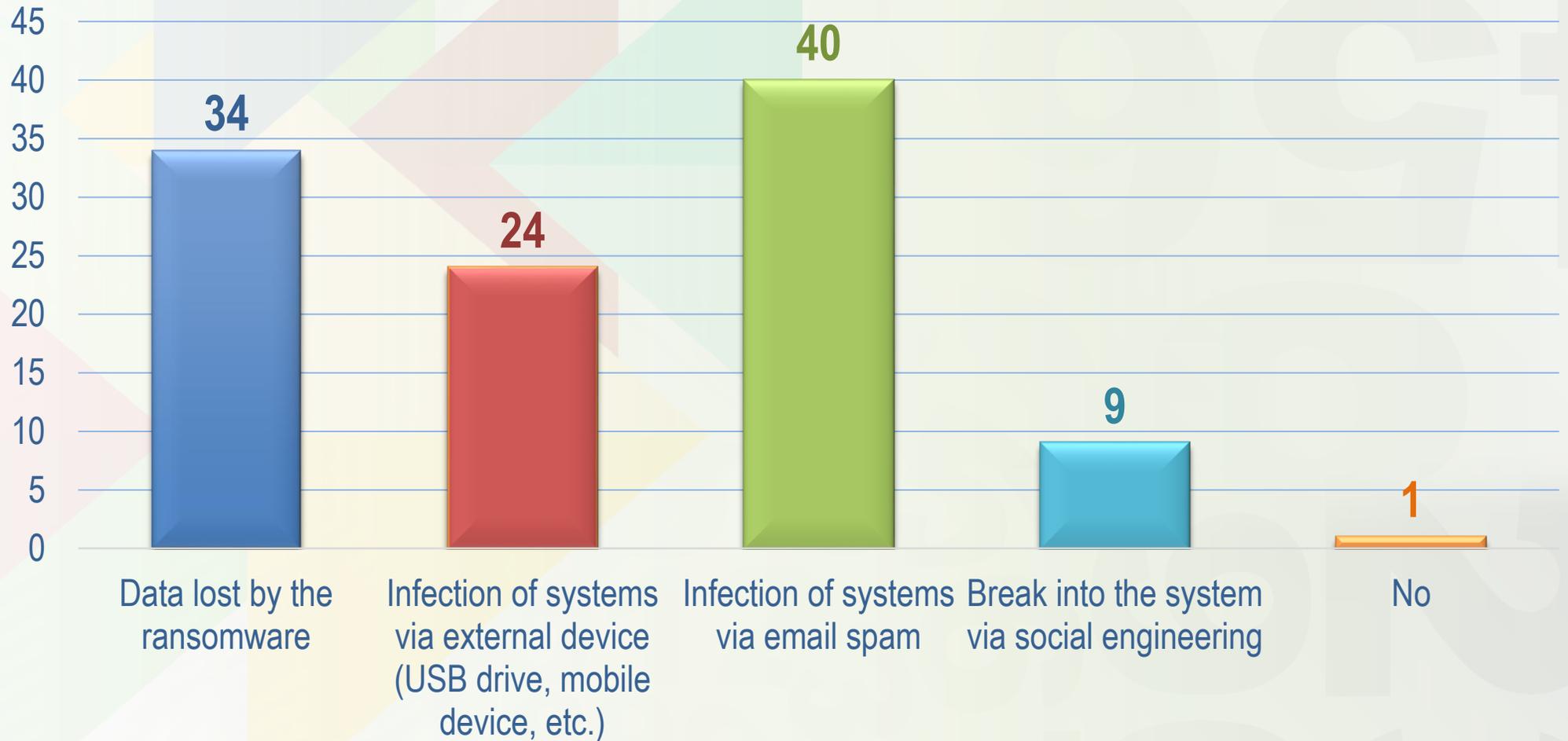
Suggestions:

- Need for certification programs;
- Comply with the requirements and capabilities of the administration, not only purely theoretical;
- Practical orientation;
- Adequate funding;

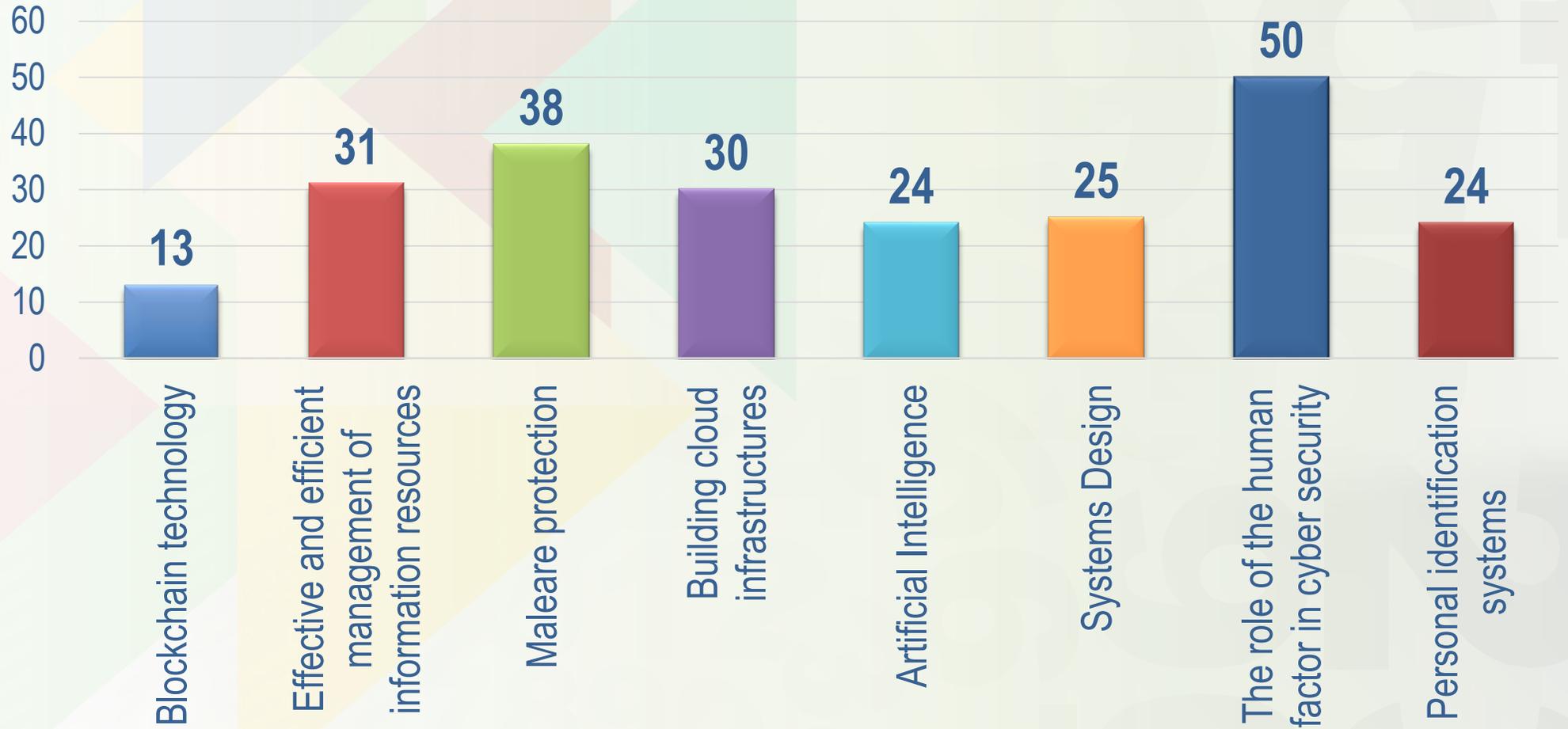
THE THREE MOST IMPORTANT ISSUES CURRENTLY IN THE FIELD OF CYBER SECURITY IN BULGARIA



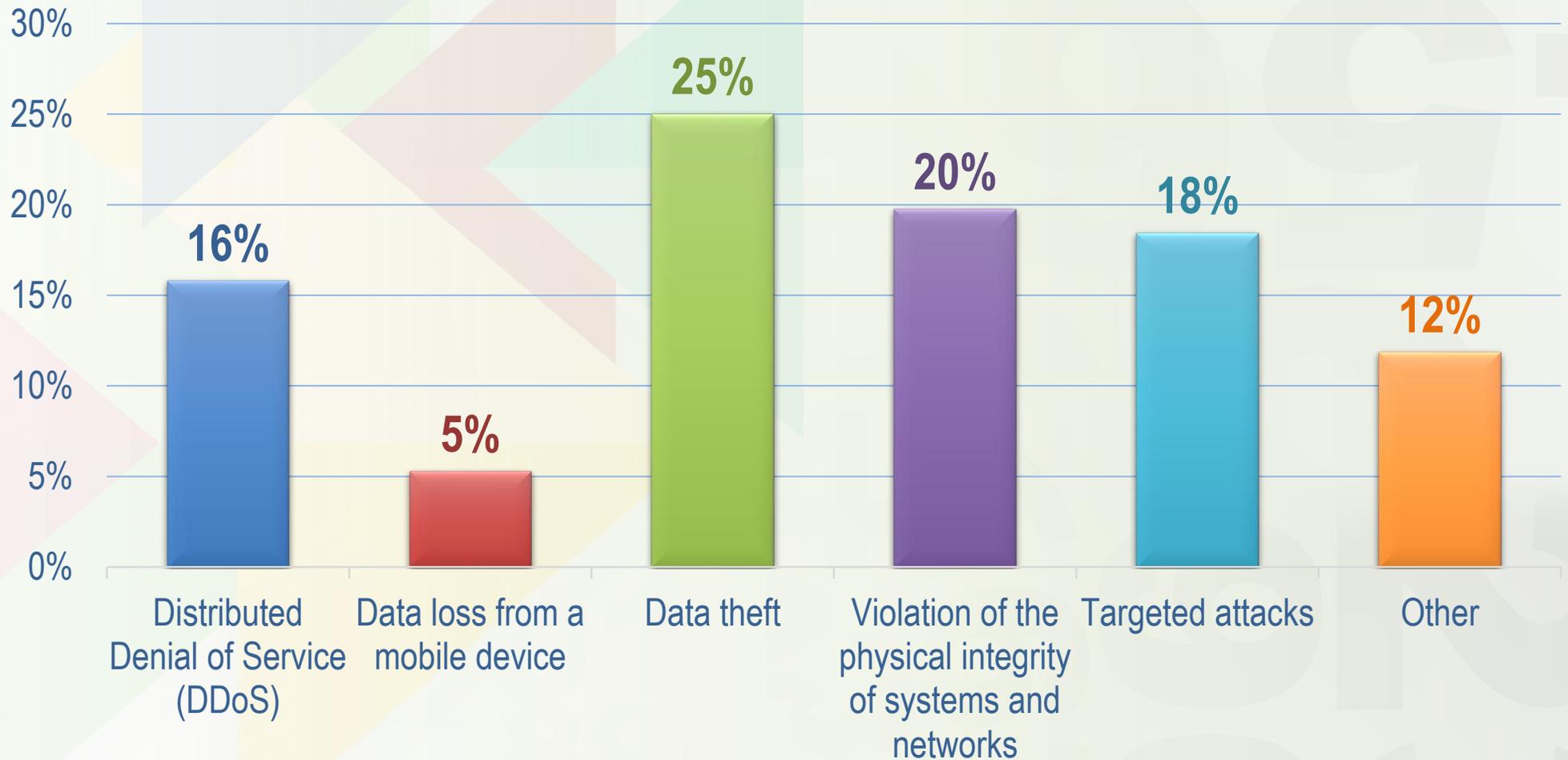
HAS YOUR ORGANIZATION ENCOUNTERED ANY OF THE FOLLOWING ISSUES?



THE MOST IMPORTANT AREAS THAT REQUIRE RESEARCH IN CYBER SECURITY



THE MOST UNPLEASANT TYPES OF ATTACKS ARE:



THANK YOU FOR YOUR ATTENTION!

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