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SAFETY CULTURE

SUPERVISION

SAFETY MANAGEMENT SYSTEM

SURVEY

HUMAN AND ORGANIZATIONAL FACTORS

SAFETY CULTURE (SC) AND HUMAN ORGANIZATIONAL FACTORS (HOF) IN THE ITALIAN RAILWAY NETWORK

A SURVEY AS A TOOL FOR MONITORING AND IMPLEMENTING THE AUDITING PROCESS

SUPERVISION AND AUDIT / WHY A QUESTIONNAIRE?

BECAUSE IT'S AN EFFECTIVE TOOL FOR:

OBTAINING

- A general picture of the state of integration of HOF and SC in SMS;
- Information about the strengths or weaknesses of operators with quantitative and qualitative data.

IDENTIFYING STRUCTURED CRITERIA FOR

- Planning further activities, such as targeted supervision campaigns;
- Conducting on-site audit on HOF and SC.

METHODS:

Questionnaire (29 questions pre-filled single/multiple-choice answers) based on SMS requirements → providing a baseline assessment before the on-site audit

Semi-structured interview (18 questions) administered to the organization's staff (leaderships, mid-managements and operative staff) during the on-site audit

63 railway organizations involved

RESULTS:

Survey's results show a good level of implementation of HOF and SC.

The results also show the awareness that further commitment is necessary, in particular:

- 1) the introduction of suitable tools for the analysis and assessment of risks related to HOF;
- 2) the widespread diffusion within organizations of a positive SC;
- 3) the involvement of partners and external parties for the achievement of shared awareness of HOF;
- 4) the availability of adequate skills within organizations.



IRSC 2022

INTERNATIONAL RAILWAY SAFETY COUNCIL

SEVILLA, OCTOBER 16-21, 2022



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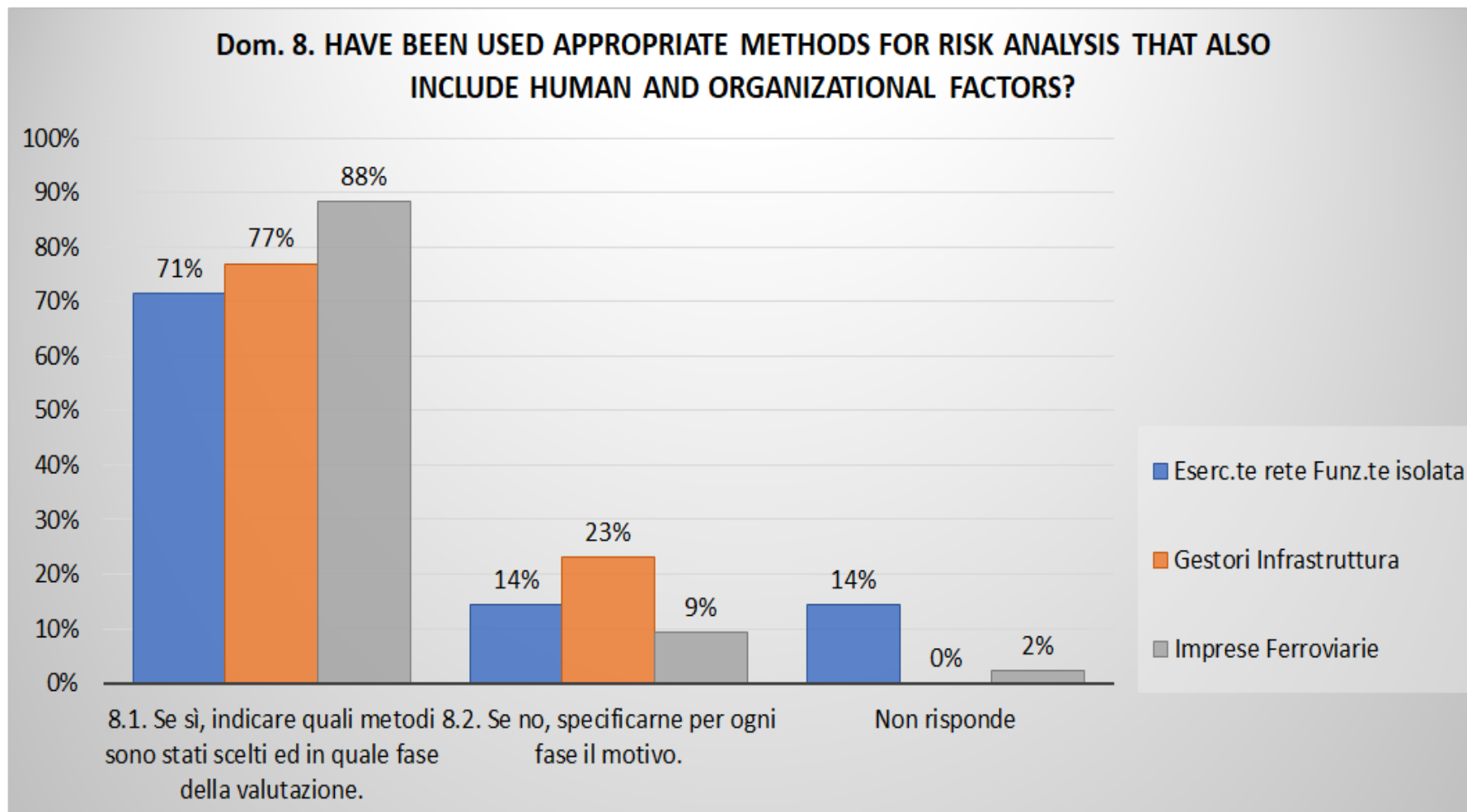
SAFETY CULTURE

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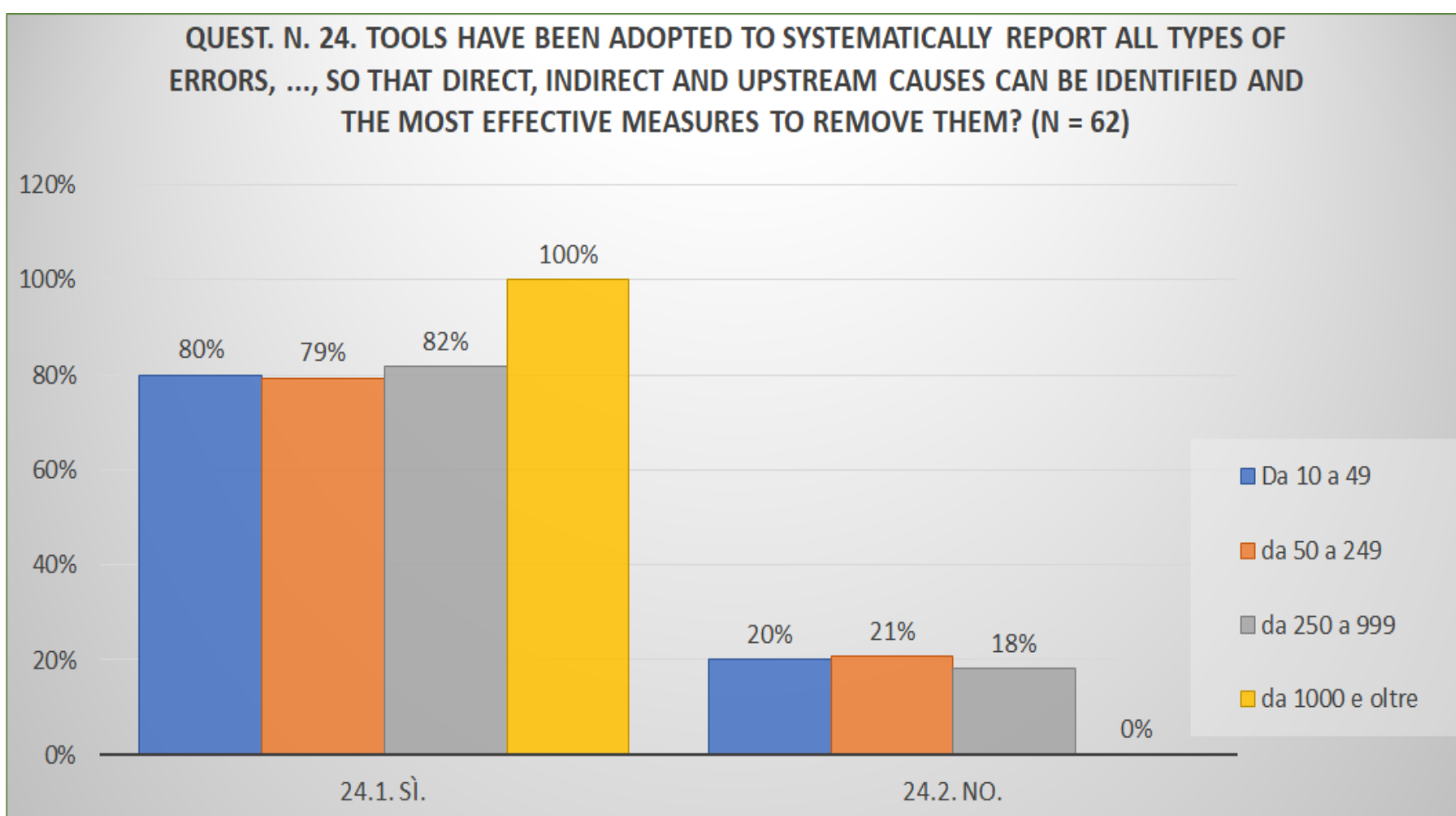
SAFETY MANAGEMENT SYSTEM

SURVEY

HUMAN AND ORGANIZATIONAL FACTORS



88% of railway companies which have adopted SMS for several years declare they use appropriate risk analysis methods for HOF and organizational factors



82% of railway operators comply with the accident analysis regulation requirements (100% of companies with more than 1000 employees)



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