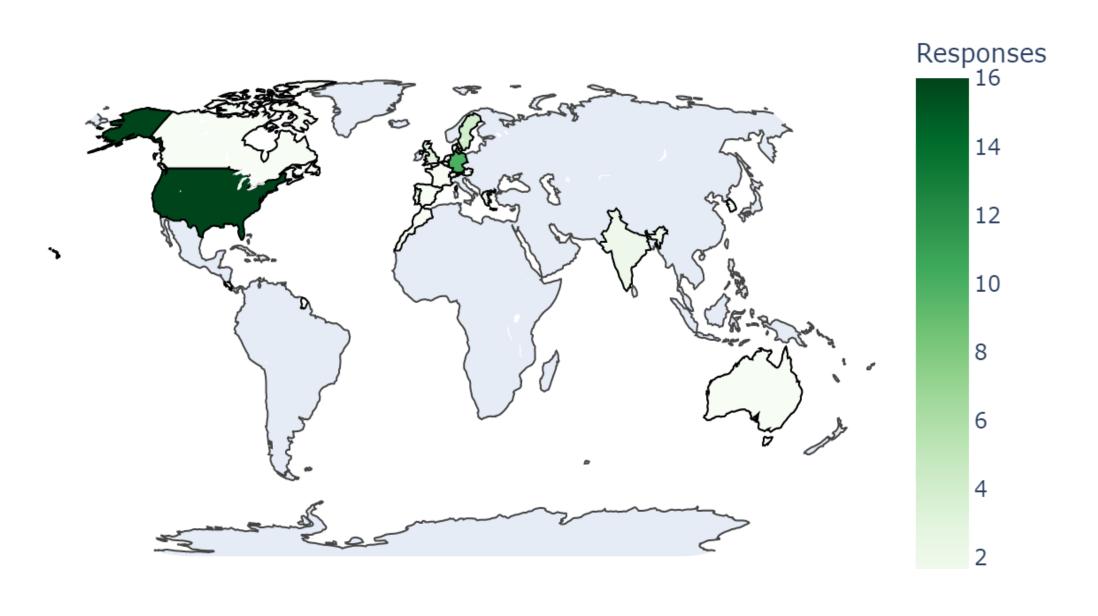
IABMAS Working Group Survey

Introduction

- **IABMAS Working Group on Digital Twins:** IABMAS Bridge TCs (Load Testing, BHM, and Bridge Management) identified Digital Twins as an important common topic of study for enhancing bridge safety and management. **Conducted** a survey to identify topics for a planned future workshop.
- Survey objective: map needs of **bridge owners** for bridge management and perception regarding digital twins

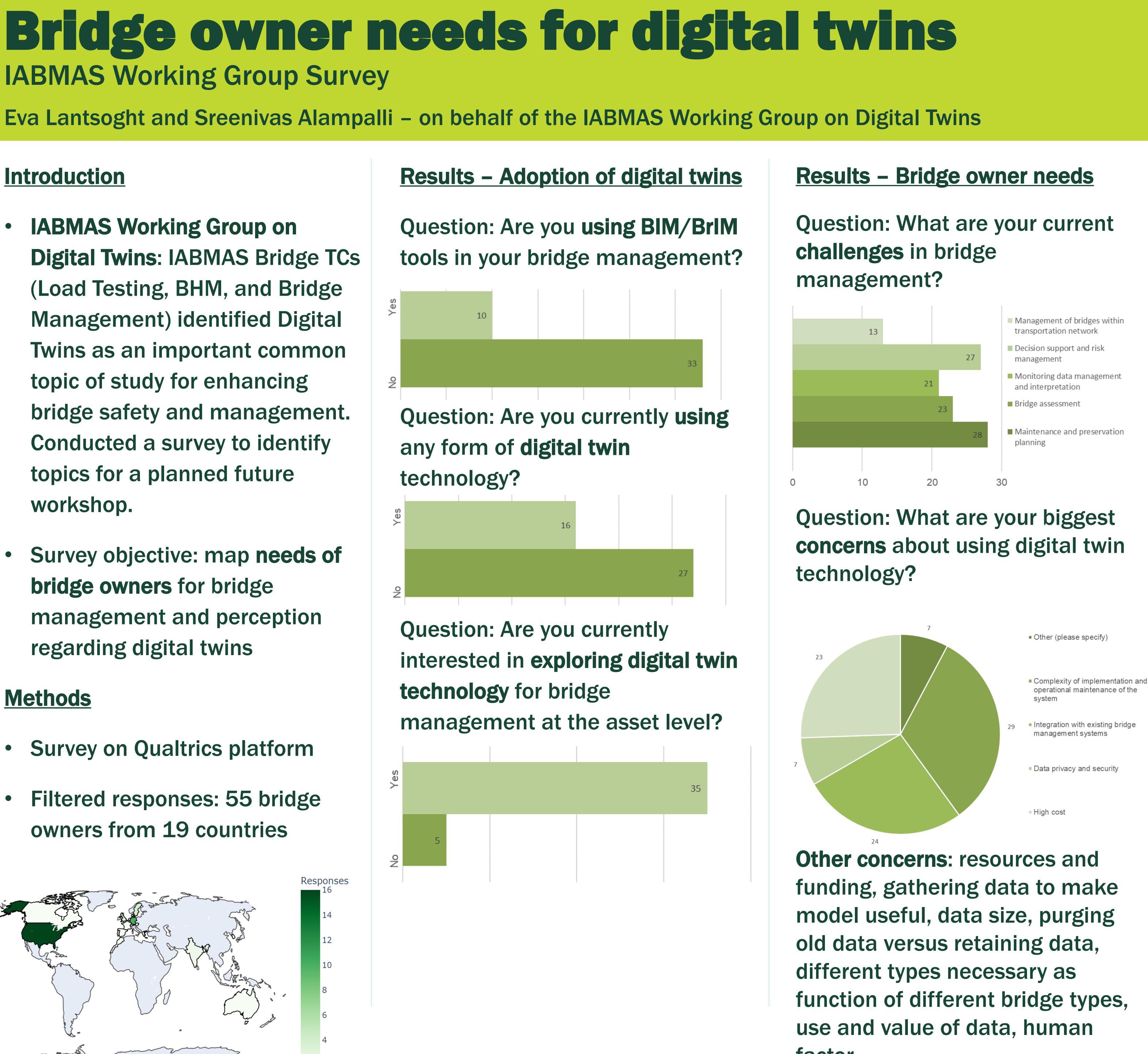
Methods

- Survey on Qualtrics platform
- Filtered responses: 55 bridge owners from 19 countries













factor

Discussion

Conclusions

- 2026

IABMAS Working Group on Digital Twins

Many different definitions and understanding of digital twins for bridge Management

Limited adoption, mostly for new bridges, large interest from bridge owners

Digital twins considered as potential solution for bridge management challenges, but owners have concerns

Less interest for **network-level** approach

Need for uniform definitions for digital twins in bridge management, and identifying inputs and outputs

• Owners interested in case studies

IABMAS Working Group on digital twins to develop white paper and workshop at IABMAS

(https://iabmas2026.org/)

