

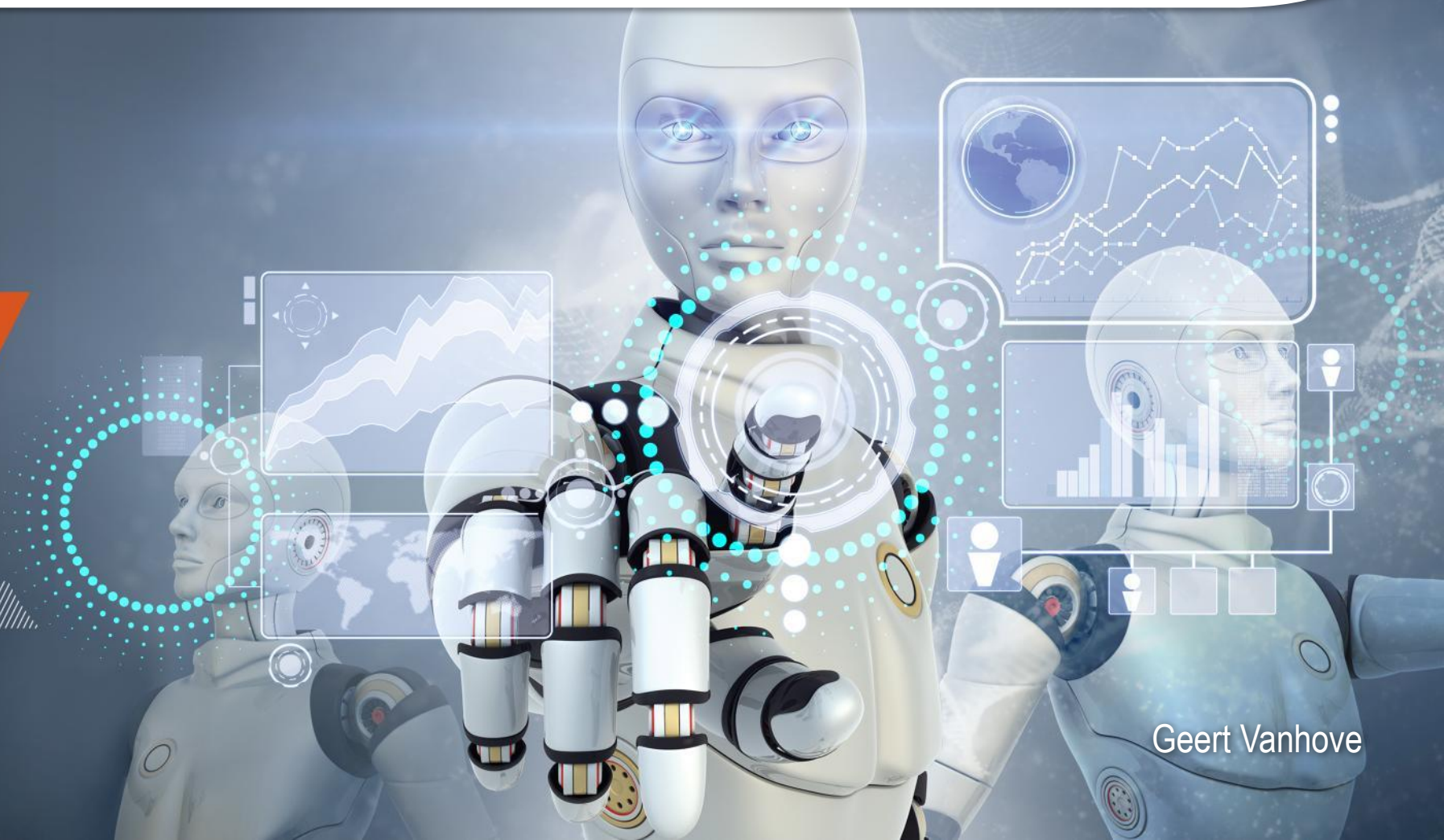
WORLD QUALITY REPORT

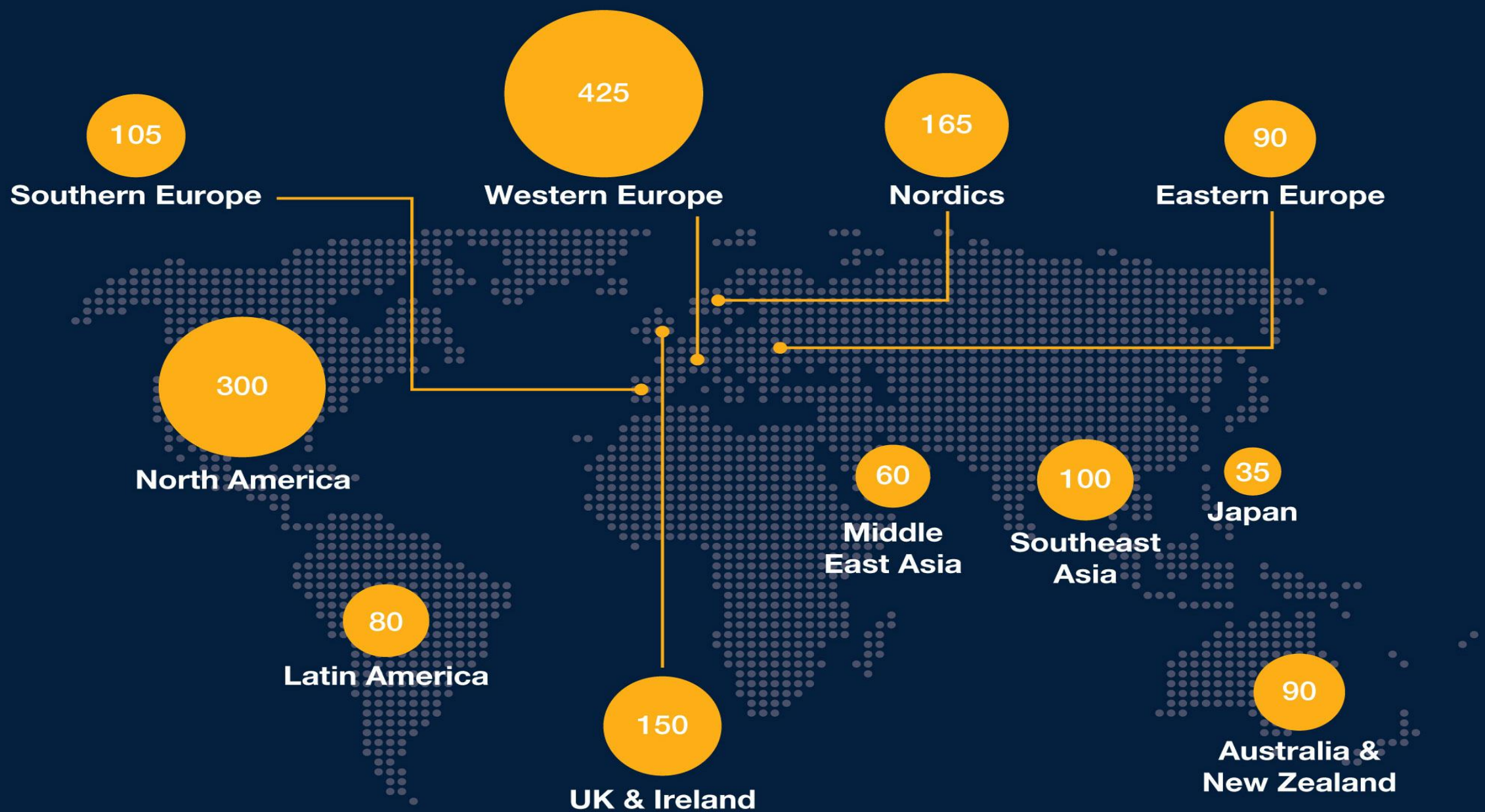
2016-17

EIGHTH EDITION

16 February 2017

Geert Vanhove







Automotive



**Healthcare and
Life Sciences**



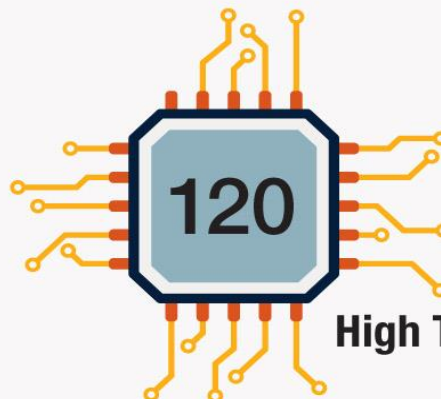
Financial Services



**Telecommunications,
Media & Entertainment**



**Consumer Products,
Retail and Distribution**



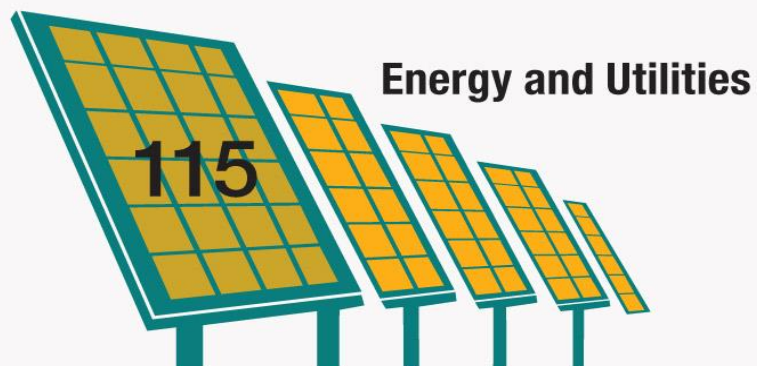
High Tech



**Public Sector/
Government**



Manufacturing



Energy and Utilities



Transportation

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The 2016-2017 World Quality Report examines the state of quality and testing across multiple industries and 33 countries for 8th time in a row

- Digital Transformation
- IoT and Security
- Agile and DevOps
- Industrialization and TCoE
- Test Environments and Test Data Management
- QA & Test Budgets

Regional & sector insights

Benelux

Steven van Schil

Vice President, Testing Practice Executive,
Sogeti Belgium and Luxembourg

Marco van den Brink

Managing Director Testing and Quality
Sogeti, Netherlands

Olivier Vandekerkhove

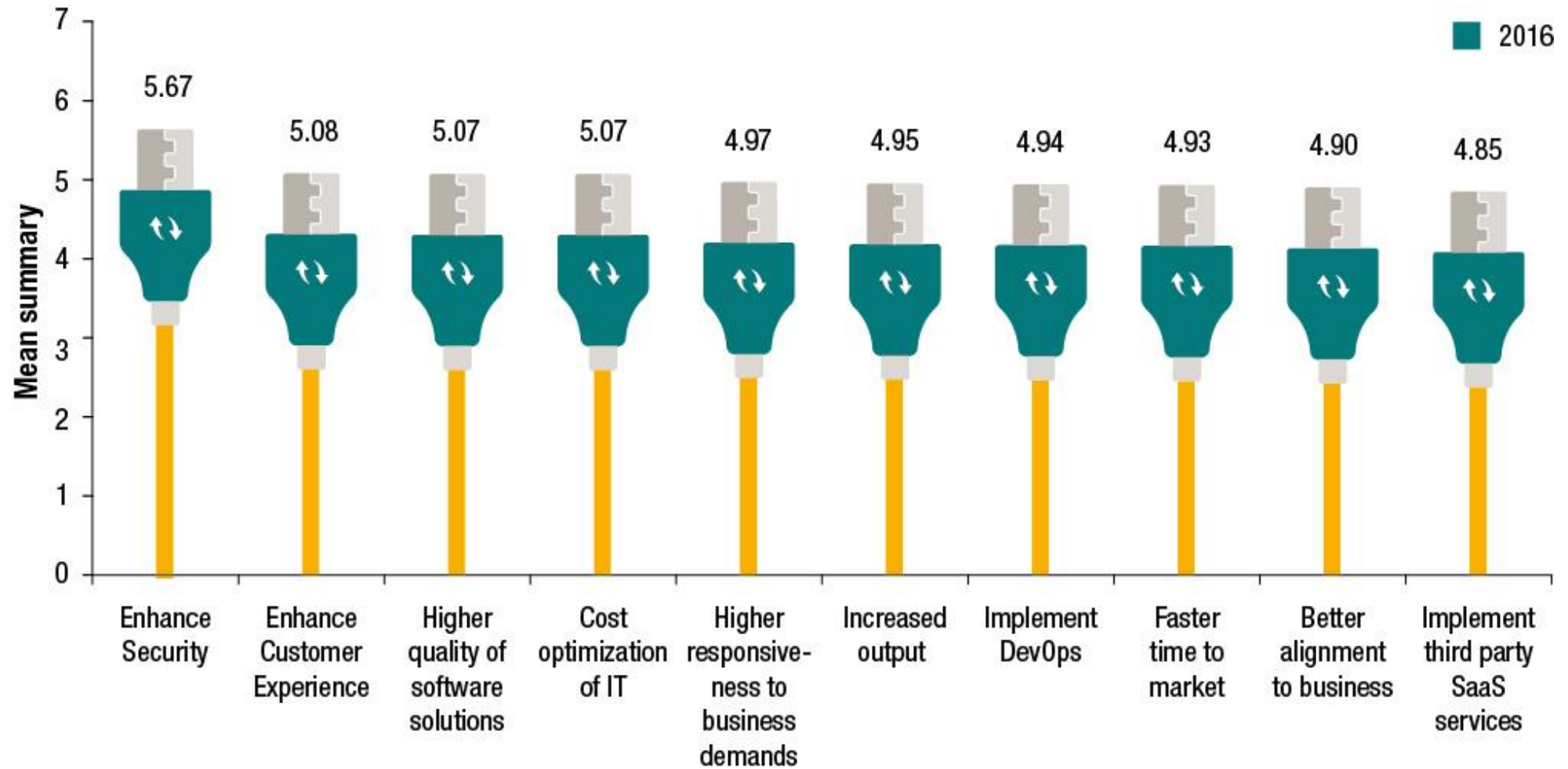
Testing & Quality Management Skillcenter
Manager, Capgemini, Belgium



IMPORTANT TRENDS

- Organizations across the region are increasingly interested in setting up joint Centers of Excellence, where they can outsource the technical aspects of testing while maintaining direct control over the business and management aspects.
- 58% of survey respondents from Benelux, as opposed to 39% worldwide, use DevOps for more than half of their projects.
- 27% of all test cases in Benelux, as opposed to 29% worldwide, are automated.

Top 10 most important aspects of your IT strategy



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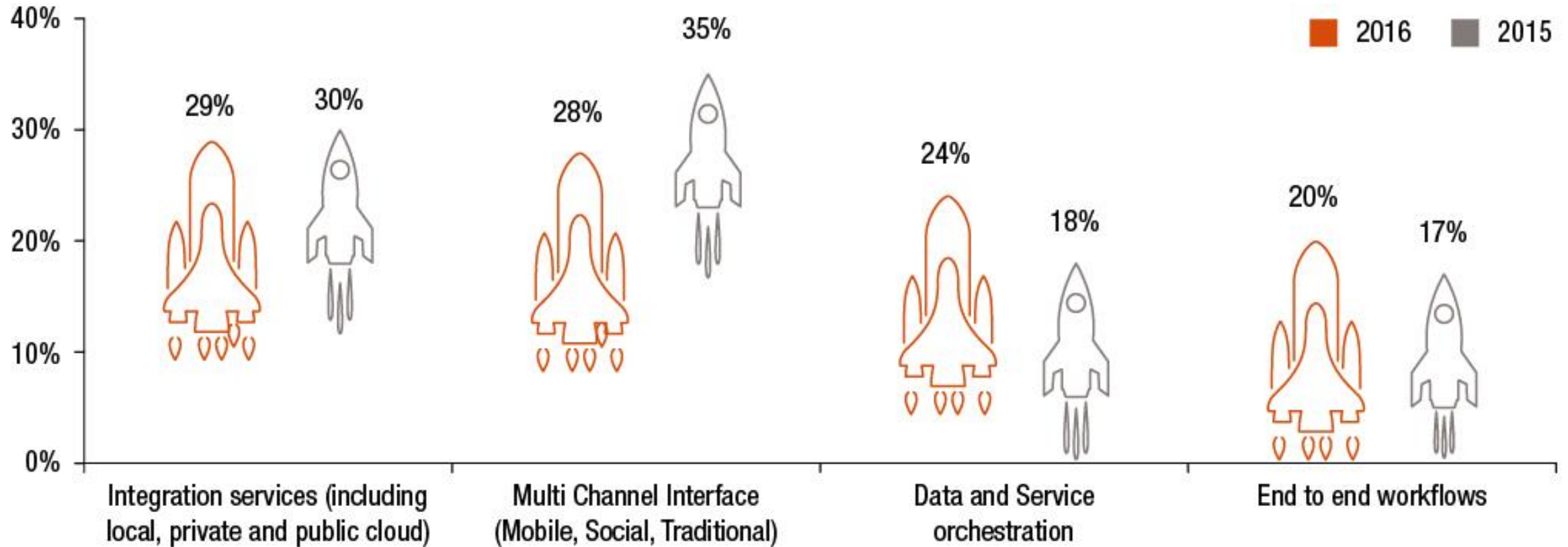
Digital transformation

Increasing pressure on quality assurance testing to deliver customer value and competitiveness

Main recommendation

Intelligent QA and test platforms

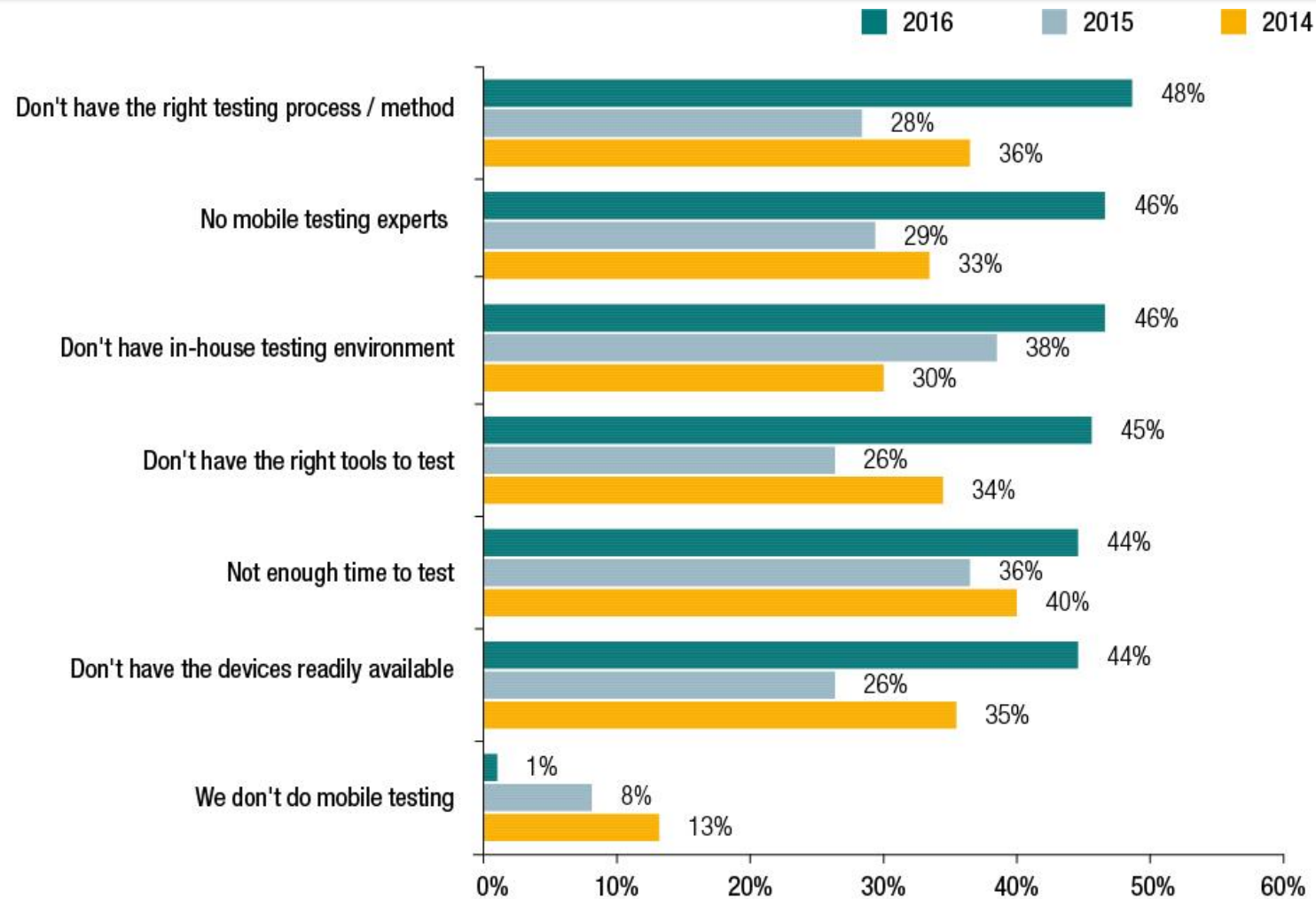
Most challenging aspects of testing digital implementation



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Challenges in testing mobile and Multi-channel (Mobile, Wearables, Social, and Traditional) applications



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IoT

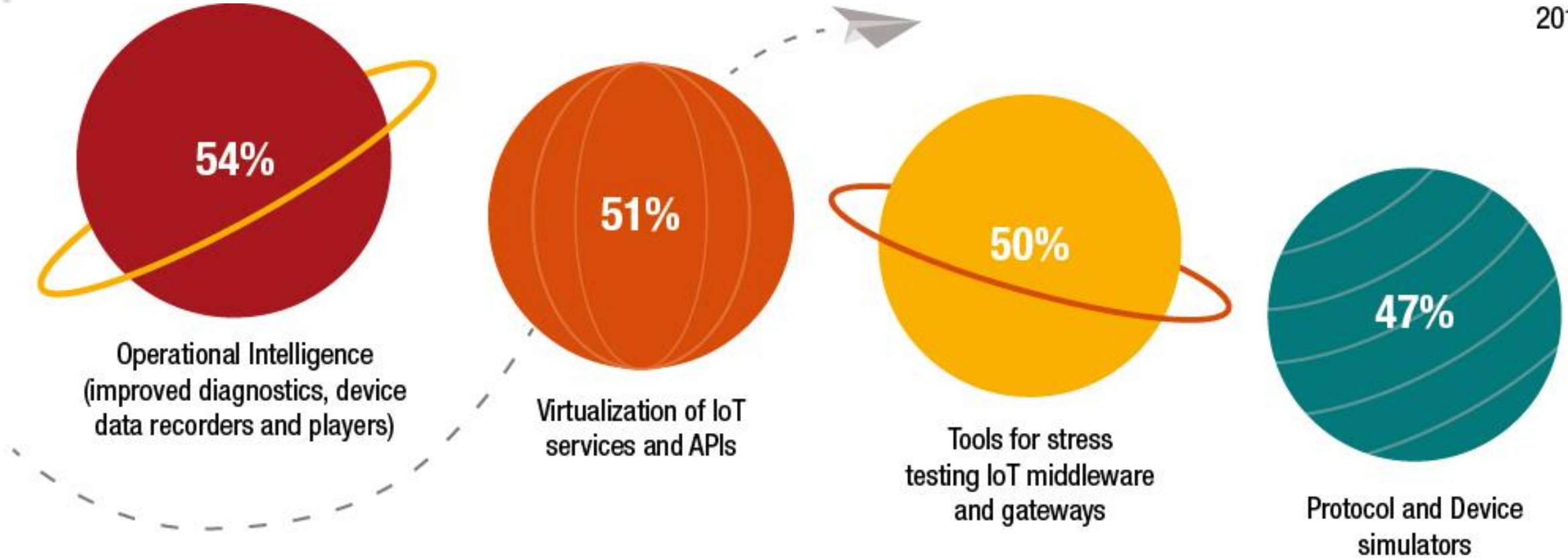
Potential increase on impact of failure, with 68% of organizations not having a specific strategy for testing IoT

Main recommendation

IoT test strategy

Opportunities for solutions for IoT testing

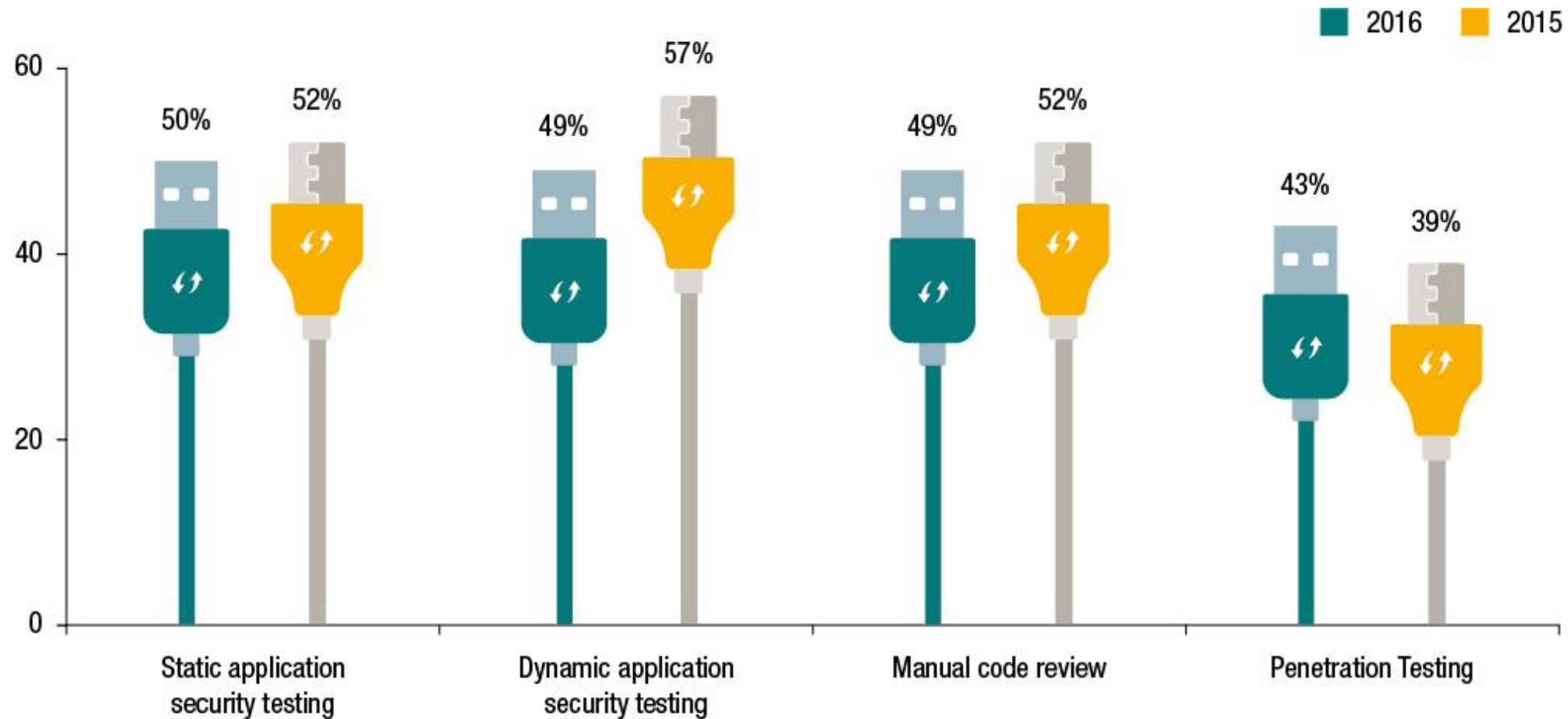
2016



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Commonly performed security testing activities



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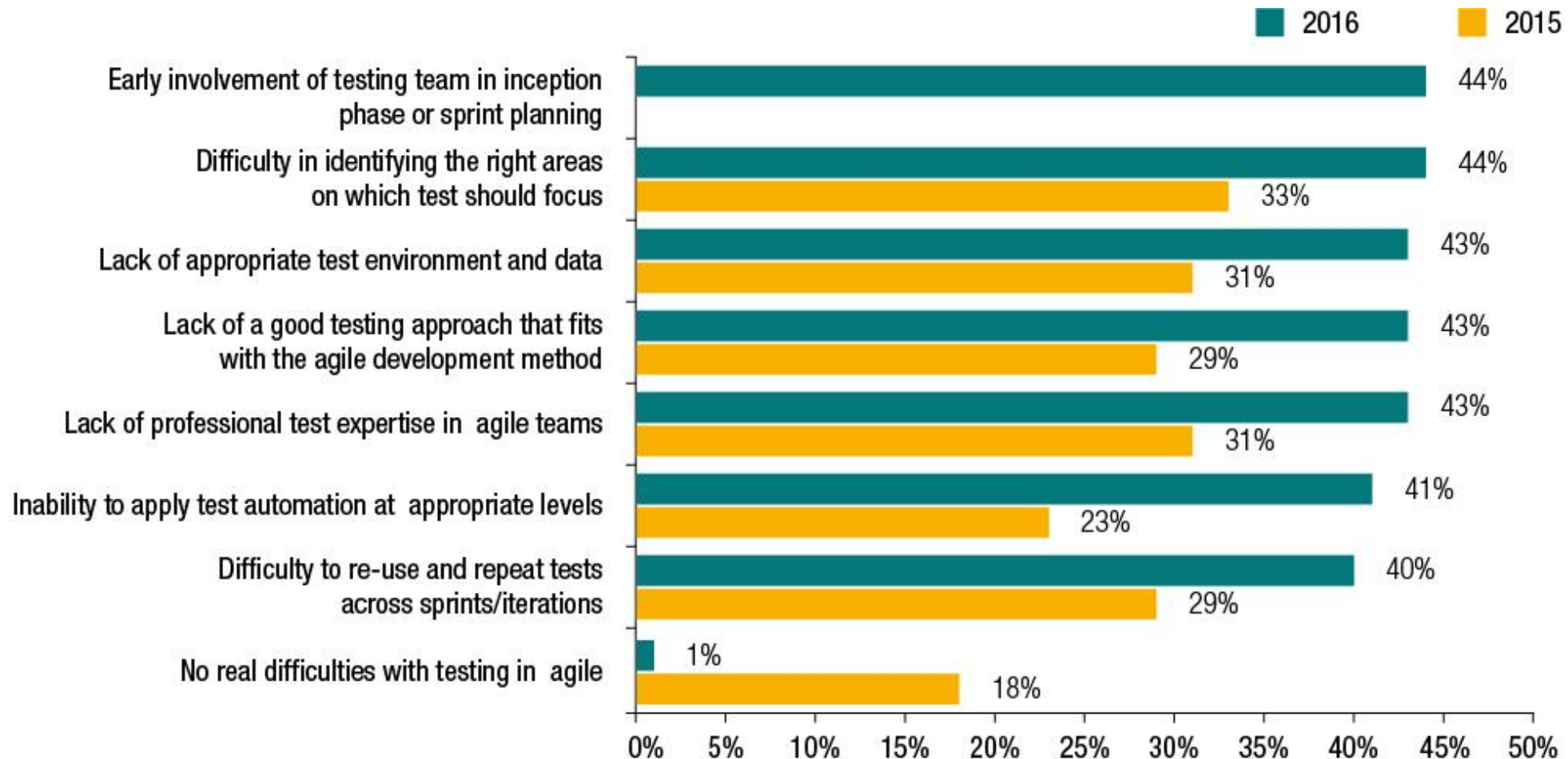
Agile and DevOps

Achieve speed with right level of quality

Main recommendation

QA enablement for DevOps

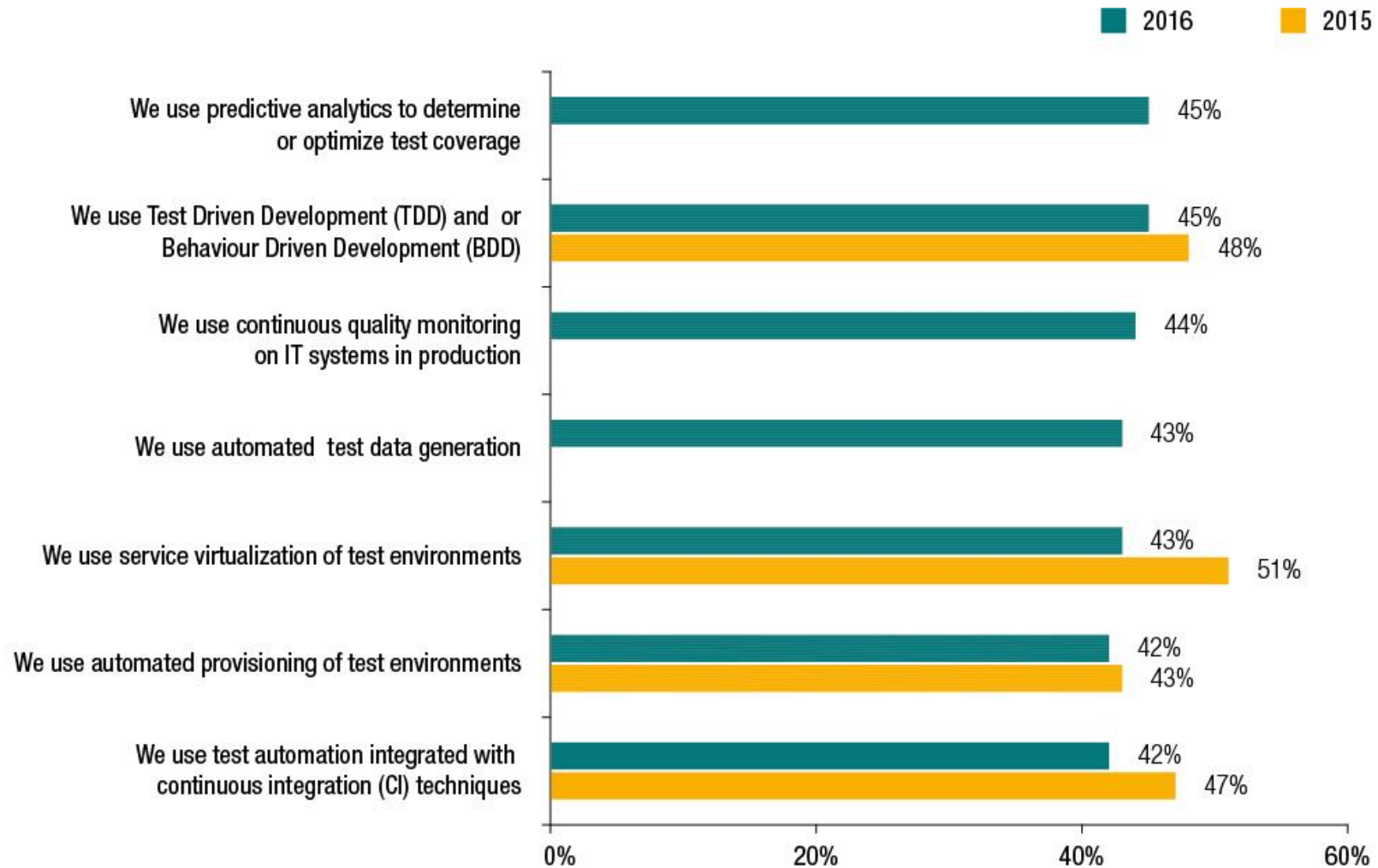
Challenges faced in applying testing to agile development



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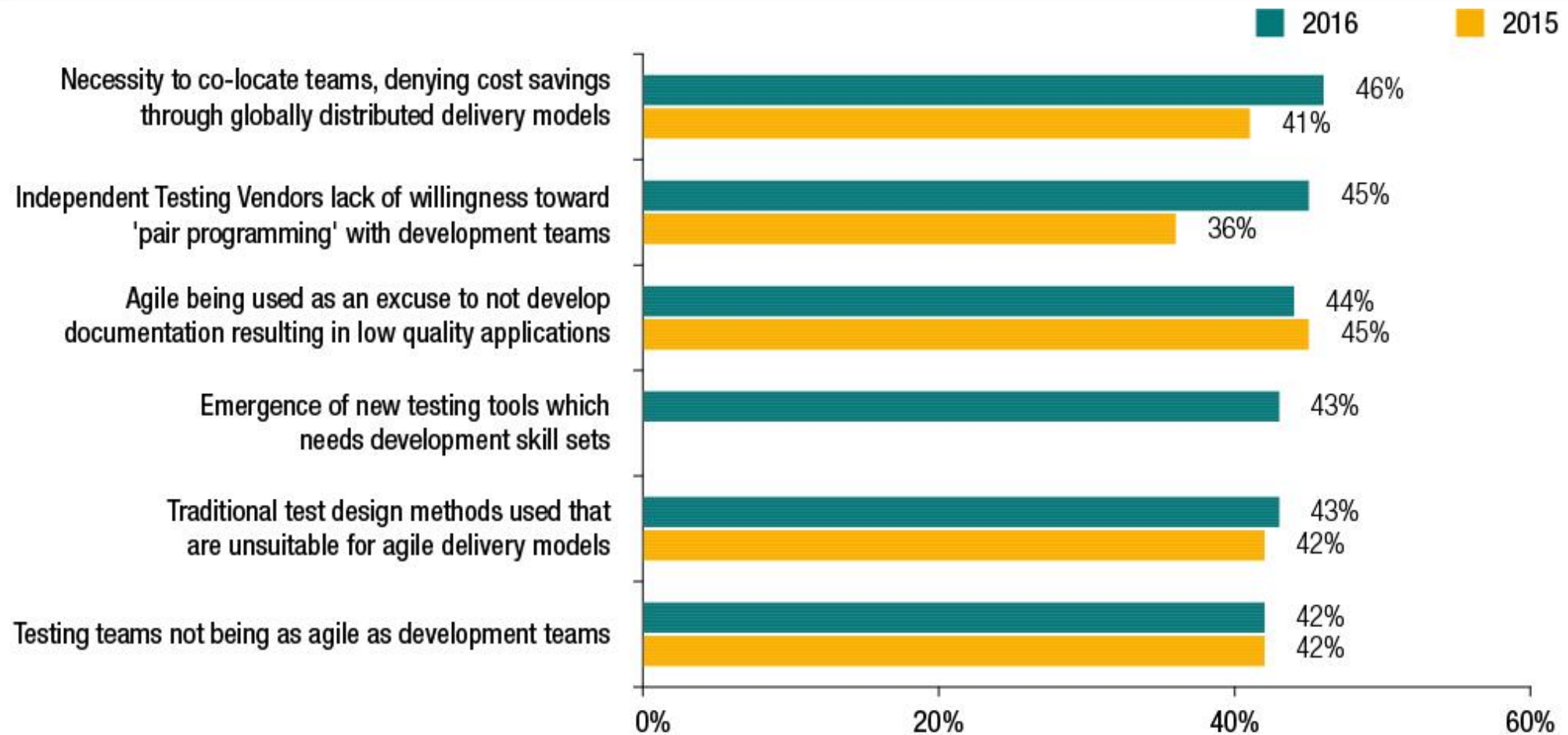
Approaches to testing in agile



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Challenges in setting up the Agile TCOE



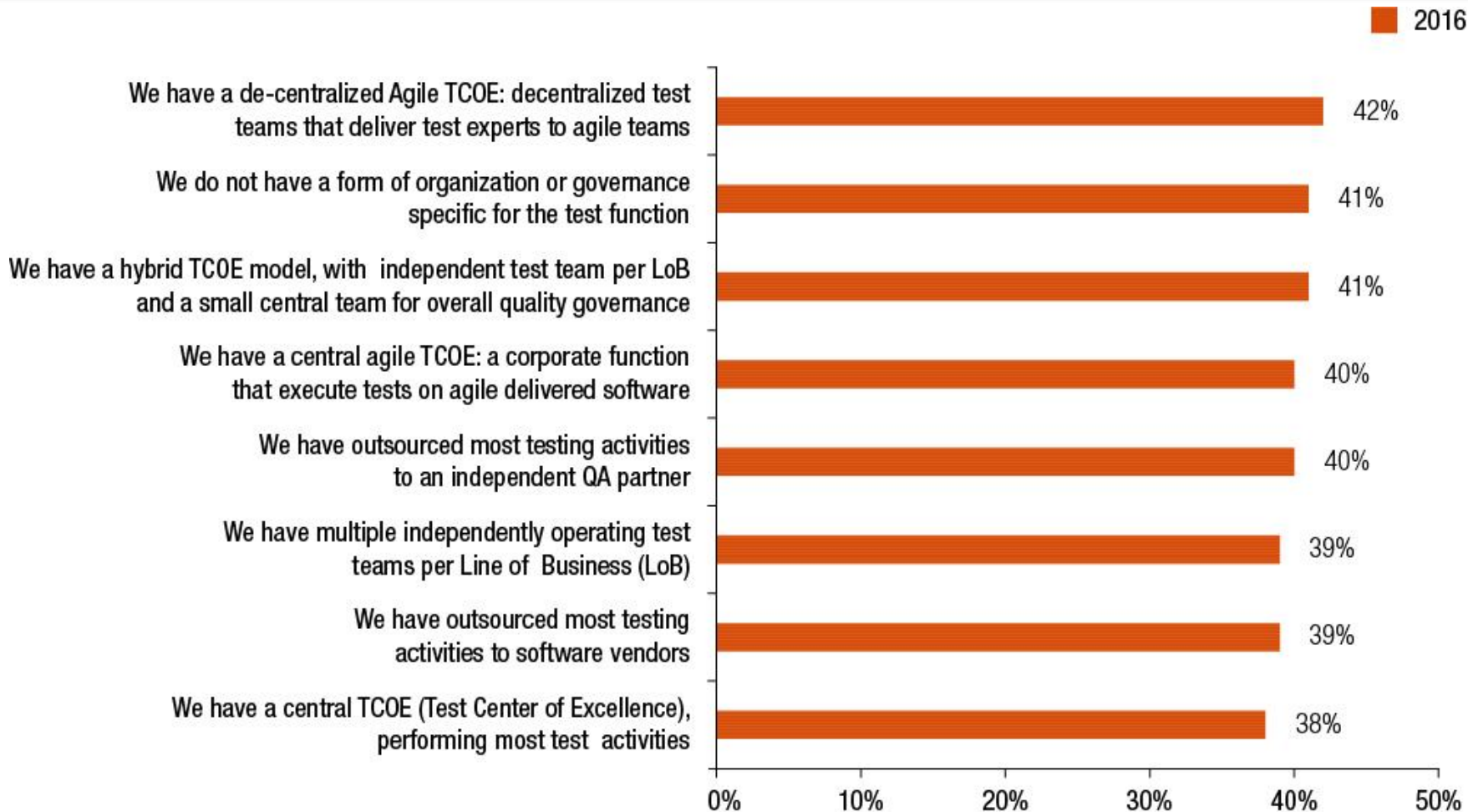
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Industrialization and TCoE

Entering the era of intelligence led testing

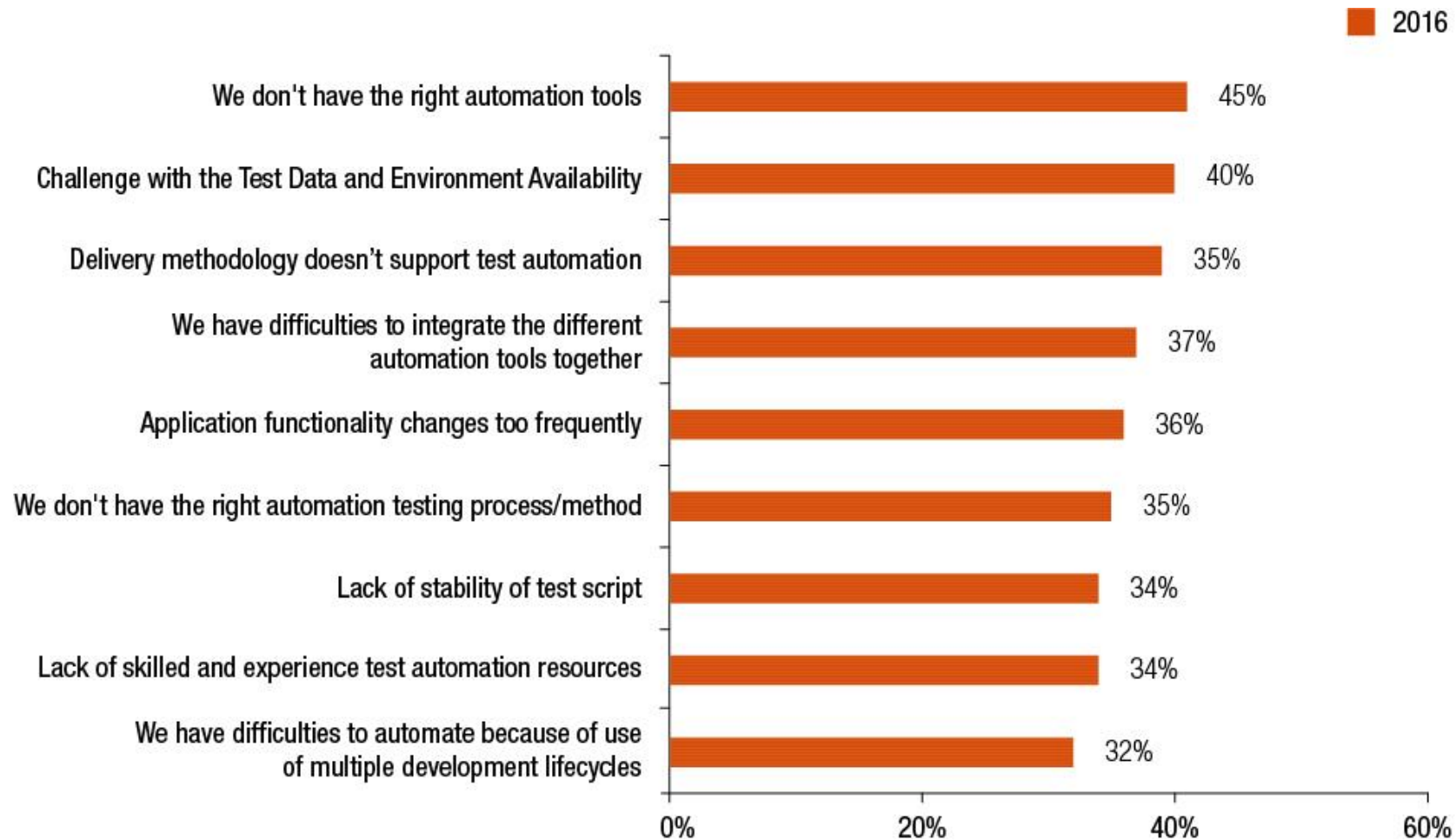
Organization of testing activities



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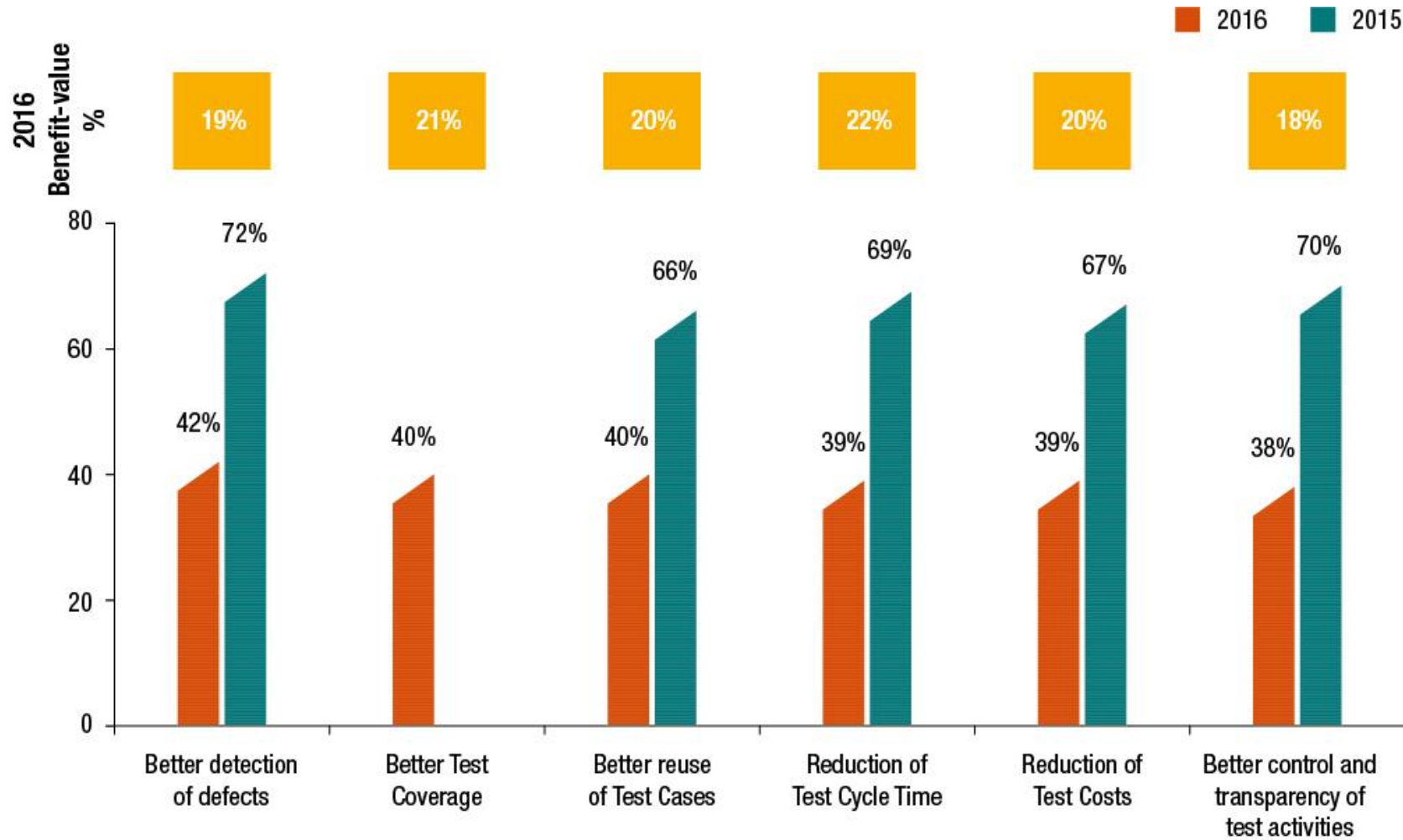
Test Automation Challenges



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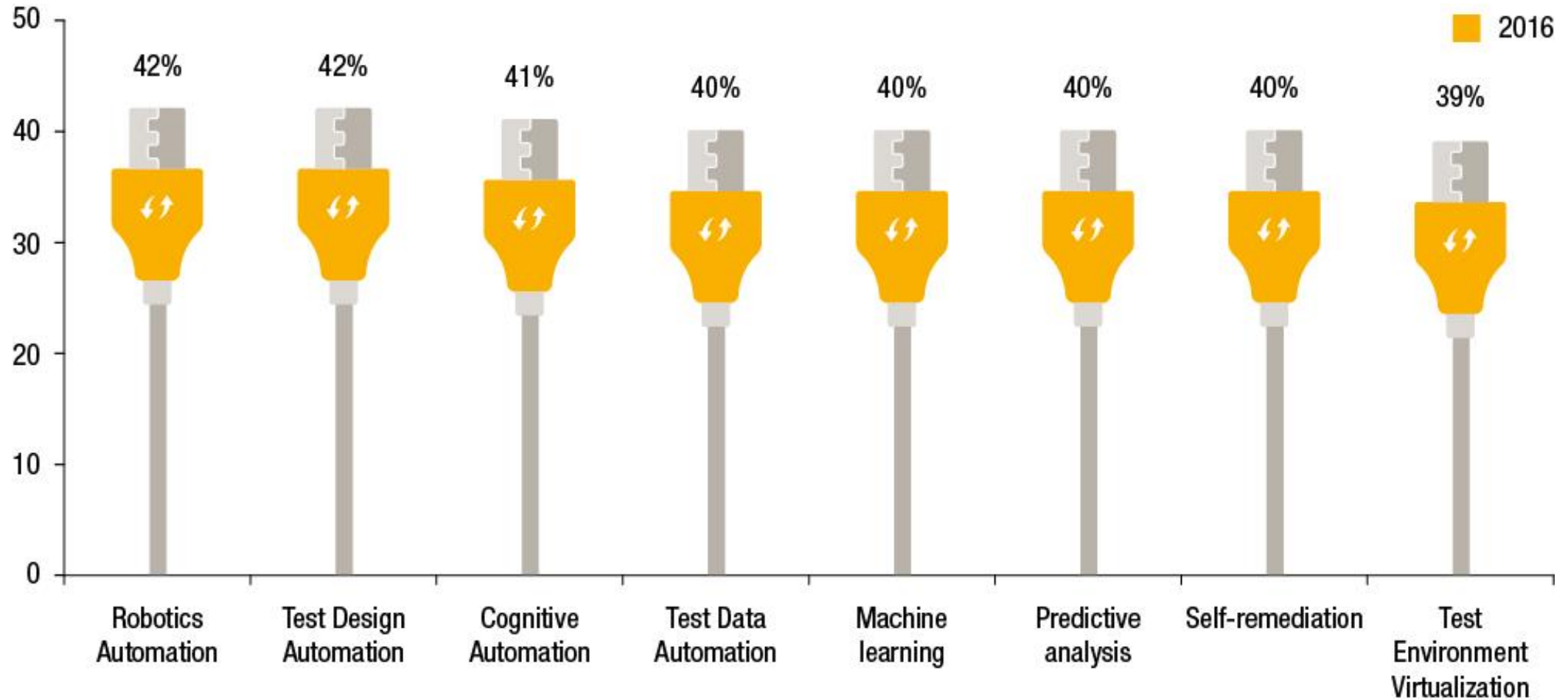
Test Automation Benefits



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Emerging Automation Techniques



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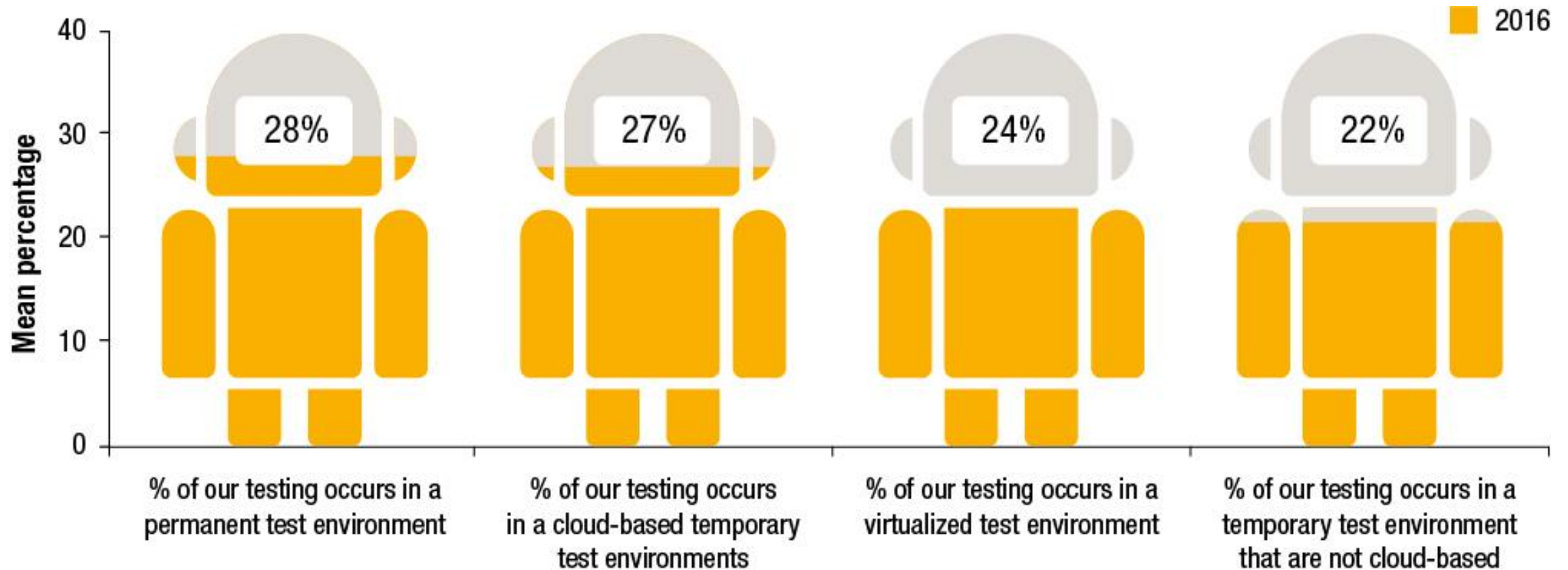
Test Environment and Test Data Management

Key enablers for quality in DevOps

Main recommendation

As-a-service solutions for Test Environment and Test Data Management

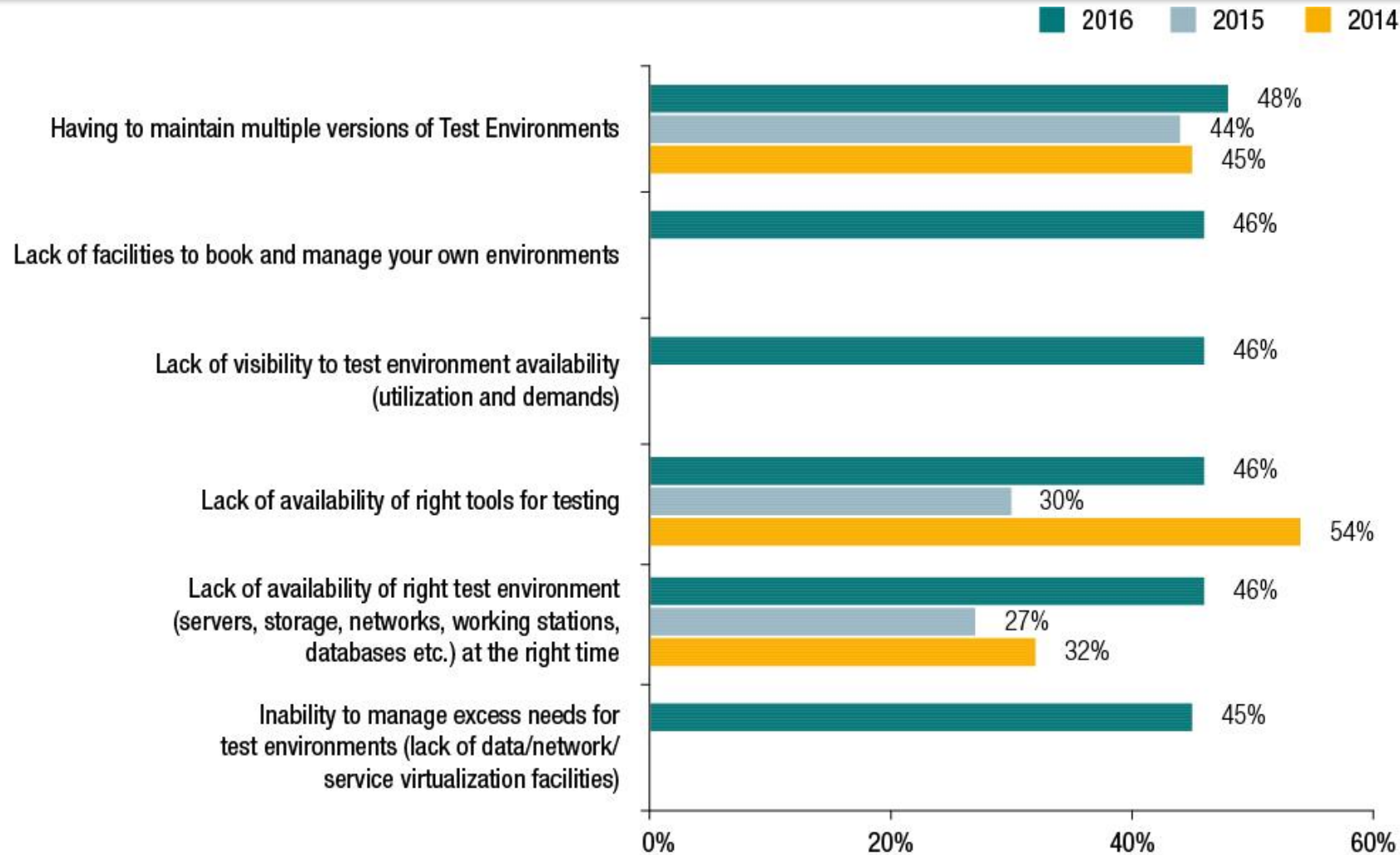
Test Environment Types



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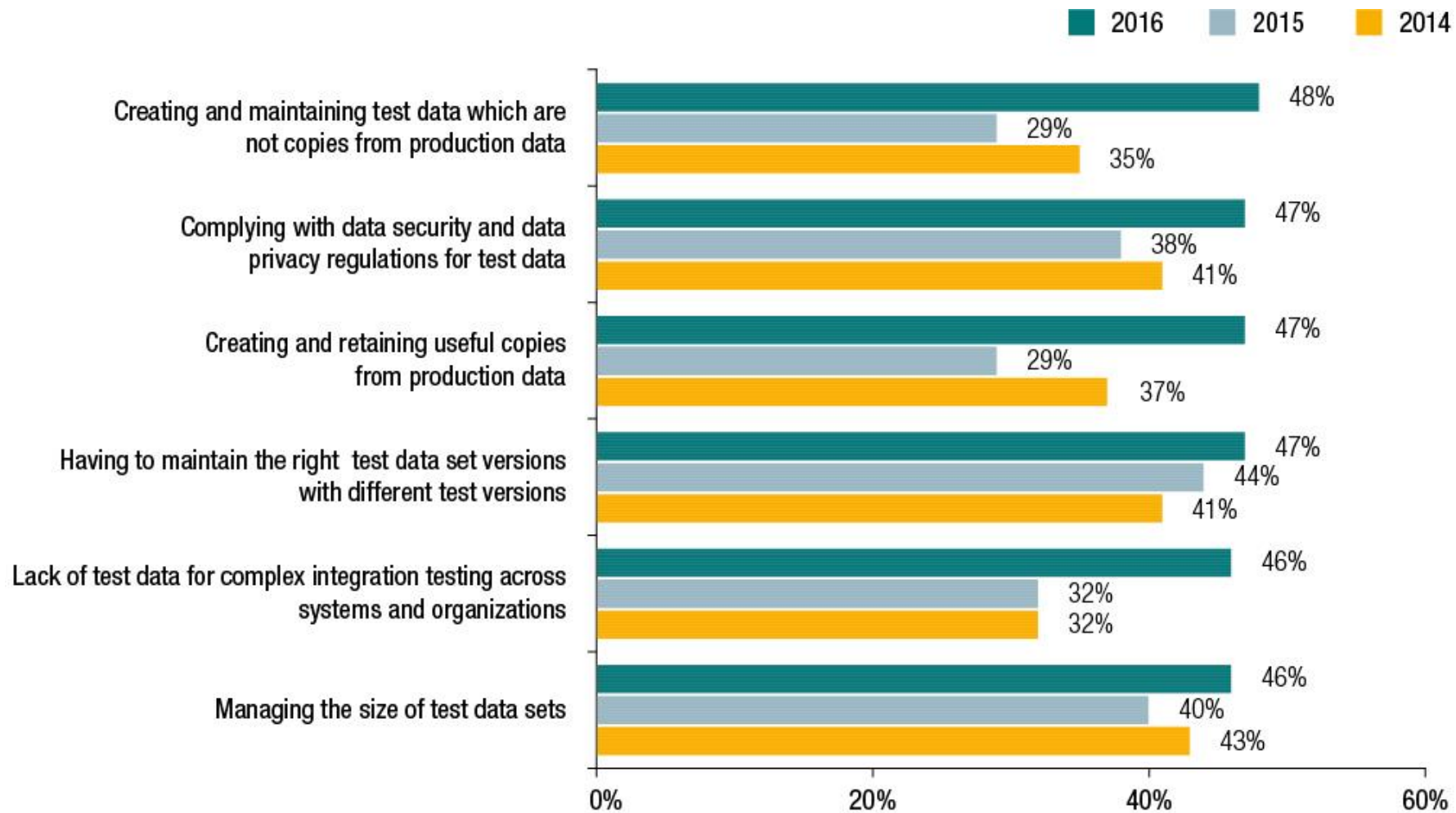
Challenges with Test Environment Provisioning



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Challenges in managed test data



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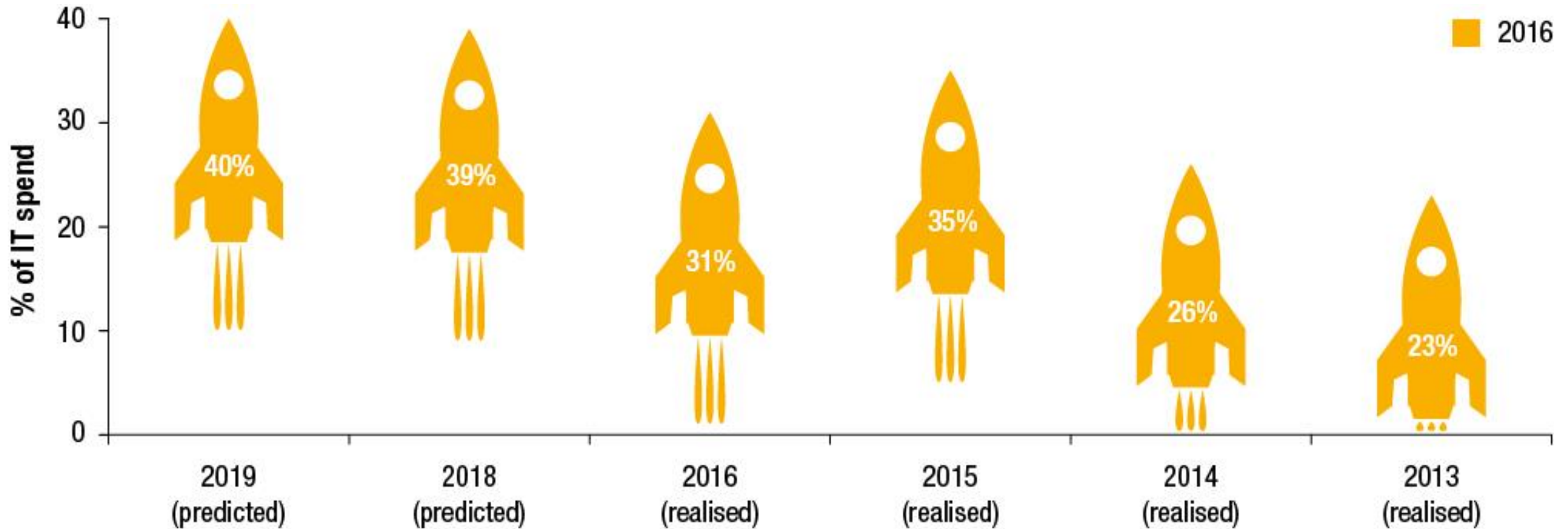
QA and Test budgets

Getting a grip on test spending

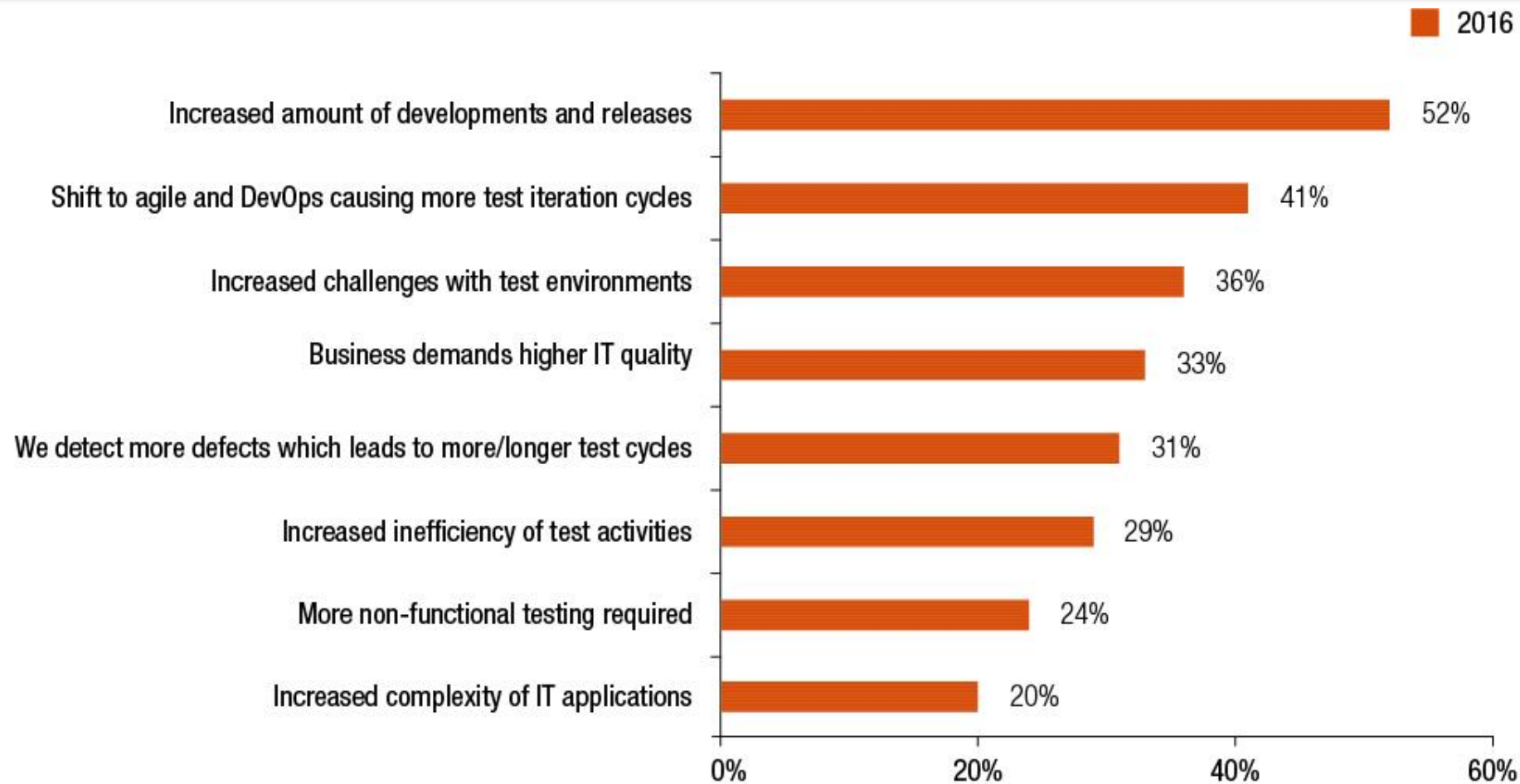
Main recommendation

QA dashboards

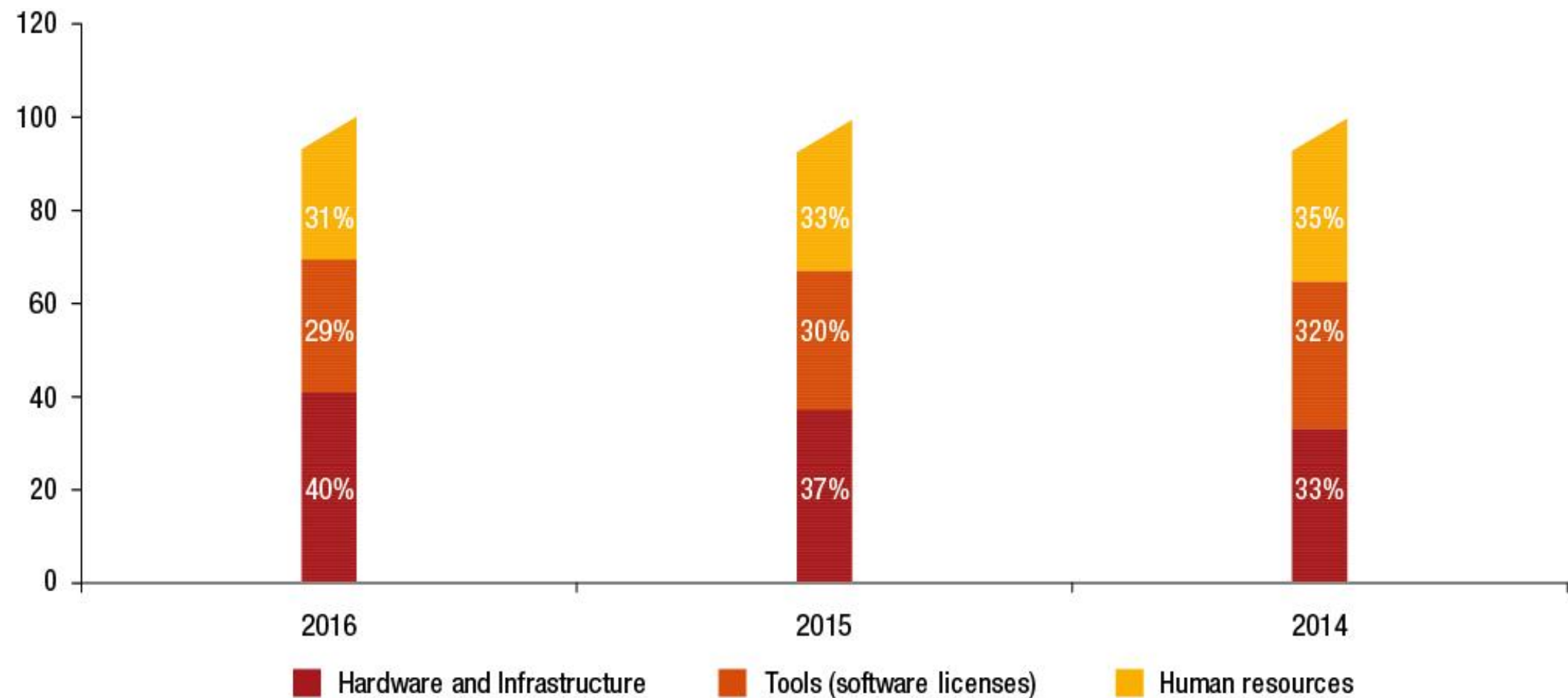
Budget allocation as percentage of IT spend



Aspects impacting the increase of QA and Testing budgets



Split of QA and Testing Budgets



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Summary

- Digital transformation drives IT strategy and influences the QA and testing function
 - Intelligent QA and Test Platforms
- Emergence of IOT functionality has the potential to increase the impact of failure
 - IoT test strategy
- Agile and DevOps continue to grow in adoption, with QA making a corresponding move
 - QA enablement for DevOps
- Test environment management challenges are growing
 - As-a-service solutions for Test Environment and Test Data Management
- Finding efficiencies at every level in QA and Testing
 - QA dashboard

Questions & Answers

About Capgemini and Sogeti

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Sogeti is a leading provider of technology and software testing, specializing in Application, Infrastructure and Engineering Services. Sogeti offers cutting-edge solutions around Testing, Business Intelligence & Analytics, Mobile, Cloud and Cyber Security. Sogeti brings together more than 23,000 professionals in 15 countries and has a strong local presence in over 100 locations in Europe, USA and India. Sogeti is a wholly-owned subsidiary of Cap Gemini S.A., listed on the Paris Stock Exchange.

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