STF 2015 – Opening session

Milano, June 2015
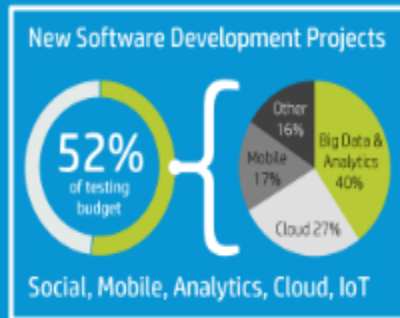
G. Bazzana
President ISTQB
Chairman ITA-STQB

World Quality Report Findings

AT A GLANCE / World Quality Report 2014-2015 //

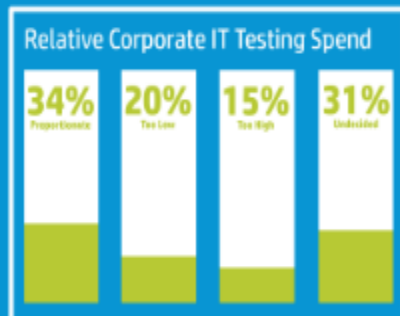**Digital Transformation - Increasing Importance of QA & Testing.**

New Software Development Projects

52% of testing budget

Other 16%, Big Data & Analytics 40%, Cloud 27%, Mobile 17%

Social, Mobile, Analytics, Cloud, IoT

QA & Testing Budgets Continue to Grow.

IT Budget for QA & Testing

18% 2012 | 26% 2014 | 29% 2017 (Projected)

Top Focus for Testing Application Migration to Cloud

Security 59%

Performance 57%

Top Focus for Mobile Testing This Year is Security, Functionality & Performance

Security 54%
Functionality 54%
Performance 51%
Ease of Use 45%

Large Opportunity - Only 15% Believe They Spend Too Much on Testing.

Relative Corporate IT Testing Spend

34% Proportionate | 20% Too Low | 15% Too High | 31% Undecided

Trend is Choosing to Involve Third Party Testing.

Percentage of testing reported to be solely in-house - only 30%

100% | 2012 51% | 2014 30%
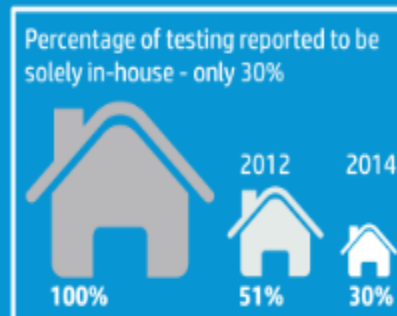
Offshore Testing is in Decline. Increase Investment in Nearshore Locations.

Current Distribution of Testing:

59% Onshore | 20% Nearshore | 21% Offshore

79%
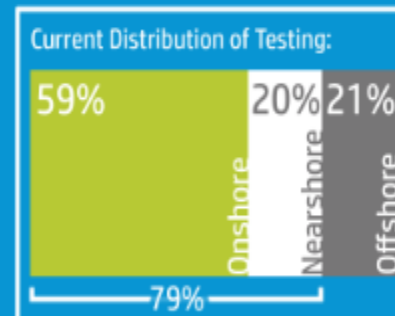
93% of IT Leaders Use Agile for Software Development Projects

93% use Agile.

Big opp for

Agile Manager

Source: World Quality Report 2014-2015; Sixth Edition; Capgemini, HP, Sogeti
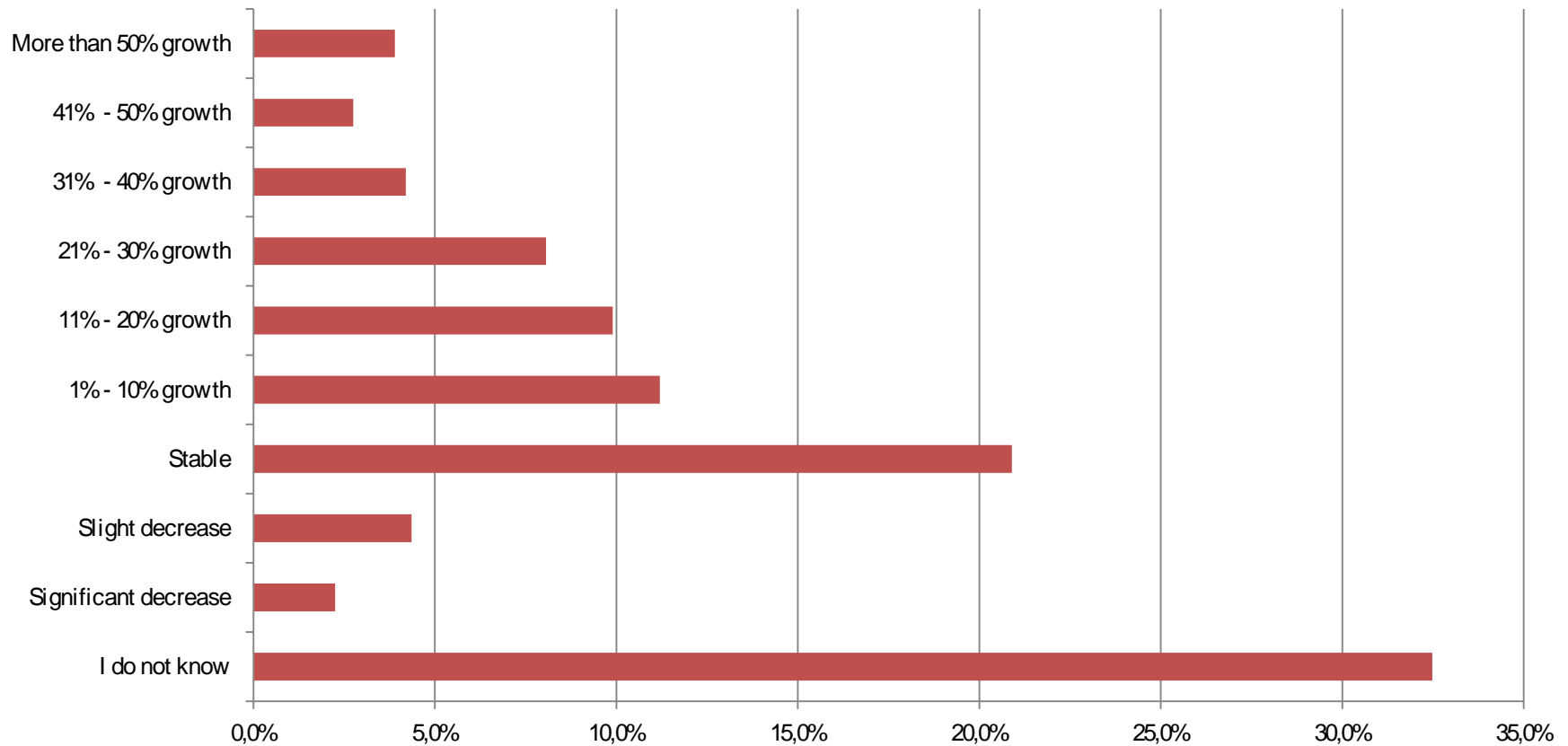
ISTQB Worldwide Software Testing Report 2015

- Survey 26 Feb – 22 May 2015
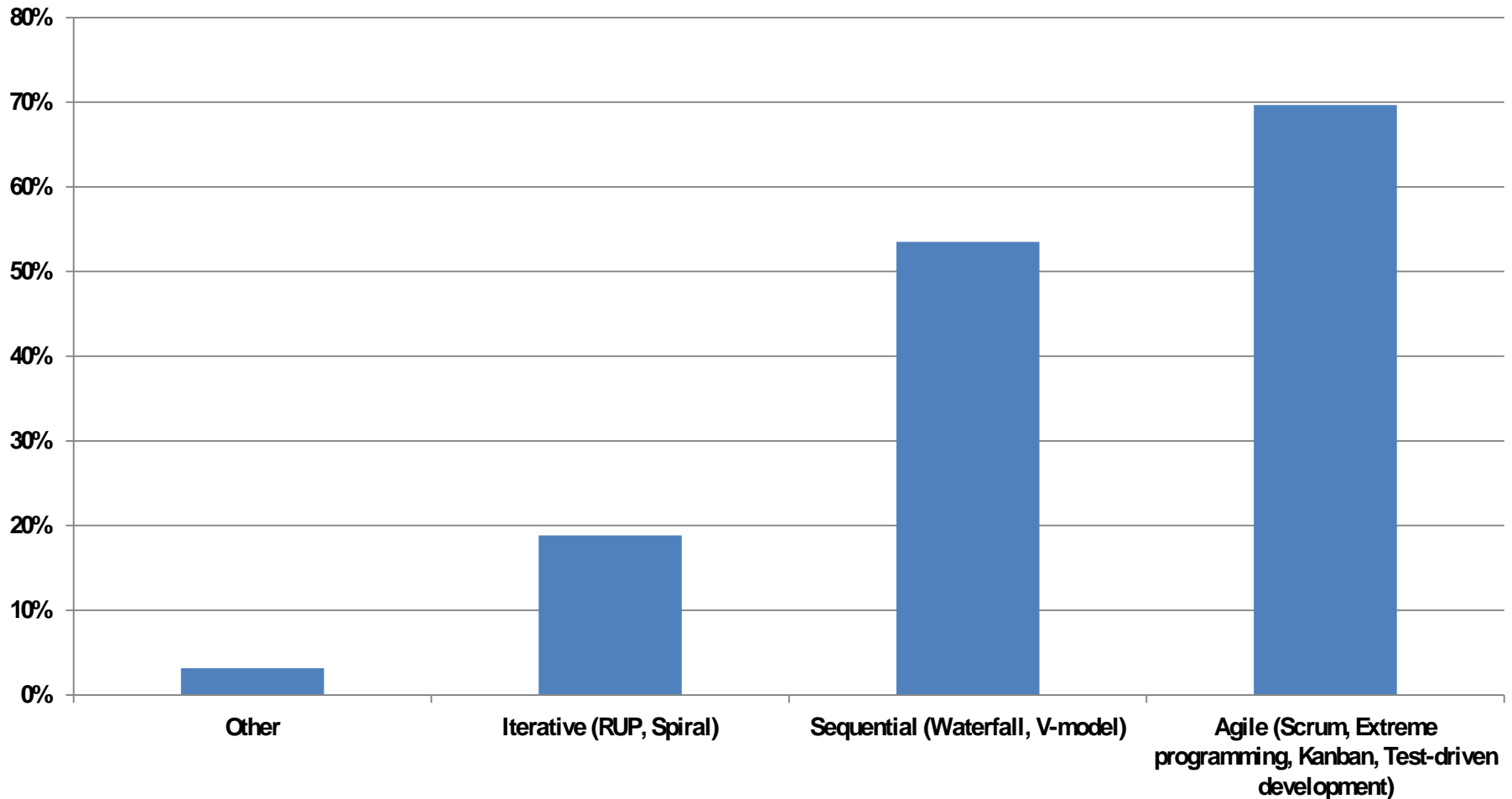- 3294 respondents
- Wide geographic distribution
- 50-50 IT vs end-users

What is your expectation for your organization's software testing budget in the next 12 months?

budget in the next 12 months

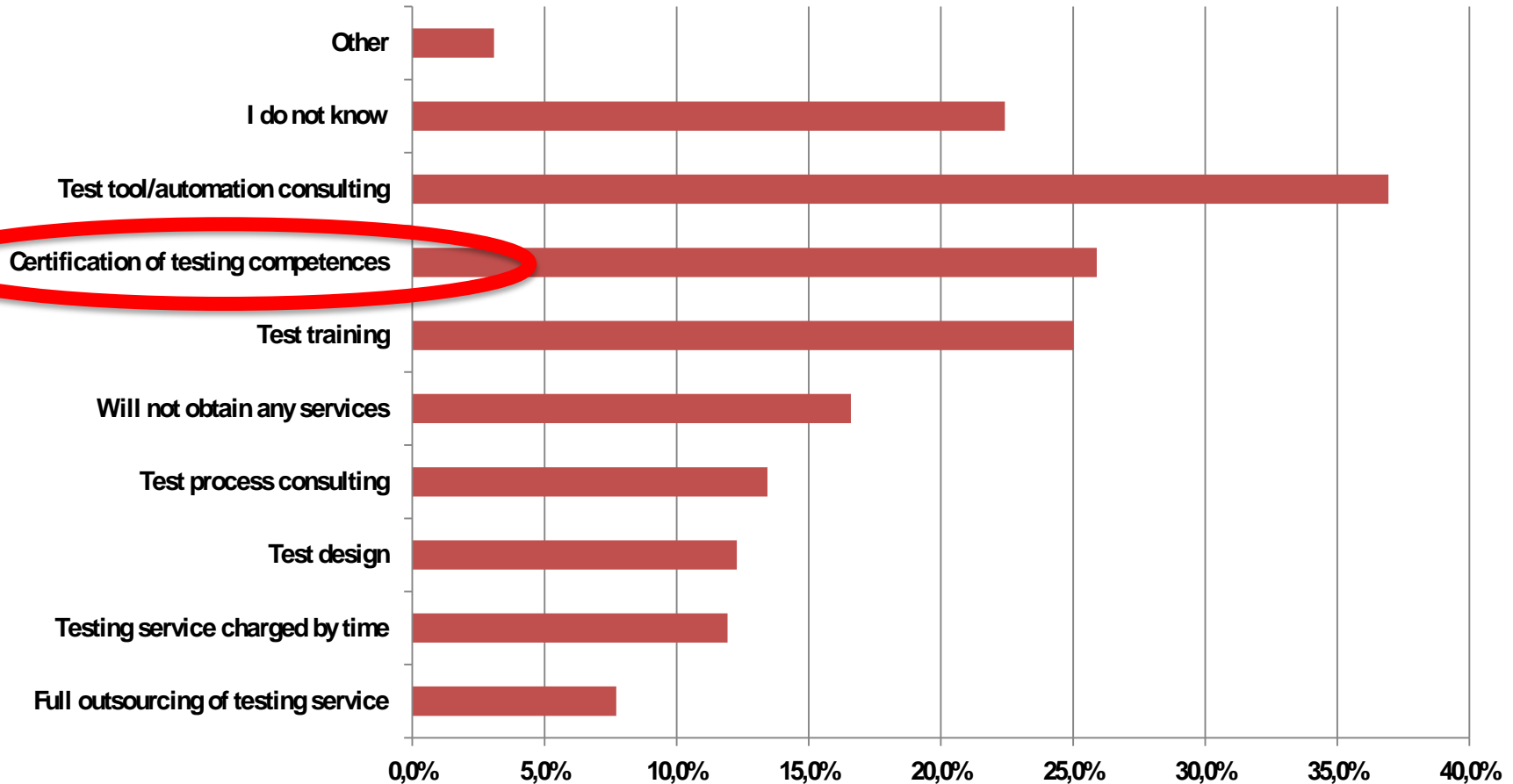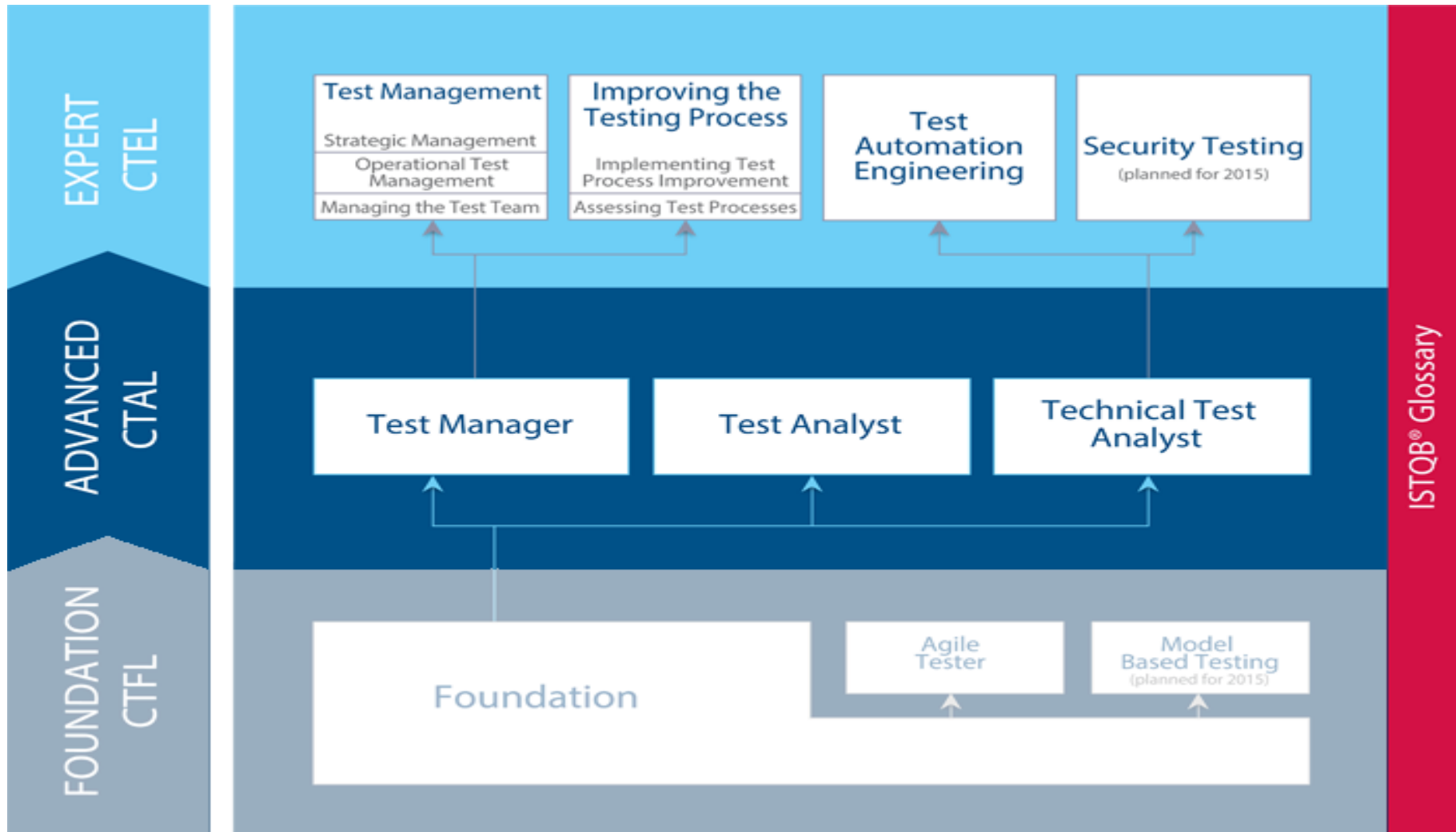| Category	Value
More than 50% growth	~4,0%
41% - 50% growth	~2,7%
31% - 40% growth	~4,2%
21% - 30% growth	~8,0%
11% - 20% growth	~9,9%
1% - 10% growth	~11,0%
Stable	~21,0%
Slight decrease	~4,3%
Significant decrease	~2,2%
I do not know	~32,5%

Which Software Development Life Cycle (SDLC) model are you using?

Which services is your organization going to obtain from external providers in the next 12 months?

Horizontal bar chart showing services (top to bottom):

- Other — ~3,0%
- I do not know — ~22,5%
- Test tool/automation consulting — ~37,0%
- Certification of testing competences — ~26,0% *(circled in red)*
- Test training — ~25,0%
- Will not obtain any services — ~16,5%
- Test process consulting — ~13,5%
- Test design — ~12,5%
- Testing service charged by time — ~12,0%
- Full outsourcing of testing service — ~7,5%

X-axis: 0,0%, 5,0%, 10,0%, 15,0%, 20,0%, 25,0%, 30,0%, 35,0%, 40,0%

ISTQB® - Current Product Architecture

Figures as of 2015Q1
Executive Summary

More than

540.000

exams world wide!

Close to

400.000

certificates world wide!

Trend is OK wrt 2014Q1

Exams: + 11%

Certificates: + 13%

In 2015Q1, 18300 exams and 13400 certificates
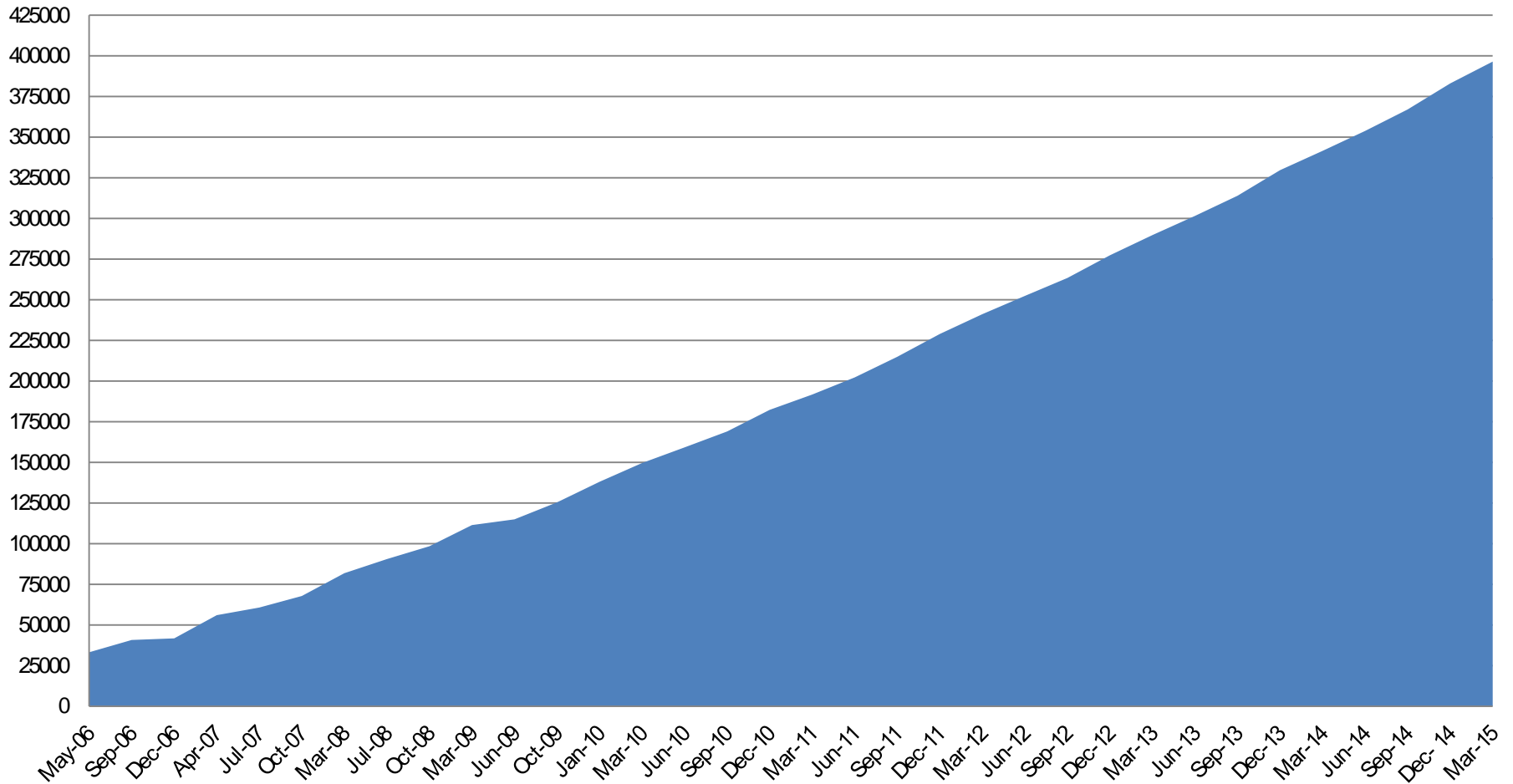
Figures as of 2015Q1 Executive Summary (2)

Agile uptake VERY Good:

- 988 exams run

- 813 certificates

- By 33 Boards

- Forecast for 2015: over 3000 exams

Certificates issued in over 100 countries
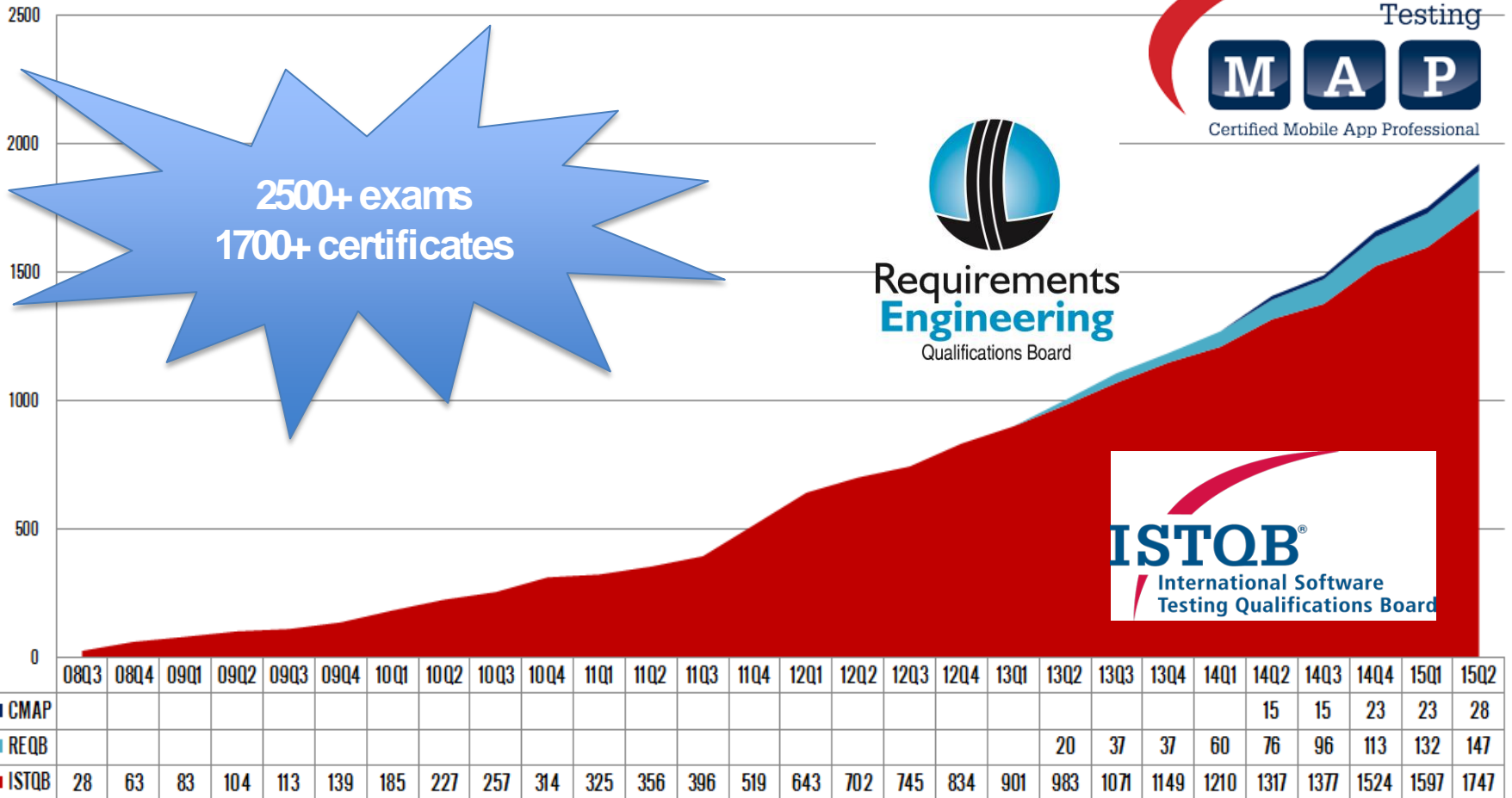
ISTQB® Certifications Growth Trend

Certificati emessi da ITA-STQB

2500+ exams
1700+ certificates

	08Q3	08Q4	09Q1	09Q2	09Q3	09Q4	10Q1	10Q2	10Q3	10Q4	11Q1	11Q2	11Q3	11Q4	12Q1	12Q2	12Q3	12Q4	13Q1	13Q2	13Q3	13Q4	14Q1	14Q2	14Q3	14Q4	15Q1	15Q2
■ CMAP																								15	15	23	23	28
■ REQB																				20	37	37	60	76	96	113	132	147
■ ISTQB	28	63	83	104	113	139	185	227	257	314	325	356	396	519	643	702	745	834	901	983	1071	1149	1210	1317	1377	1524	1597	1747

ISTQB® Product Portfolio Evolution
The goal

> Evolve the product portfolio architecture in order to:
> - Maintain the mission and vision of ISTQB® and keep the high quality of deliverables that has marked the success of the scheme world-wide
> - Make the scheme more modular
> - Make it easier for professionals to obtain the certification they are interested in
> - Provide an overall framework in which all future potential modules may fit in a way which is coherent and understandable to our stakeholders
> - Define and develop new modules in adherence to market needs
> - Maintain the validity of certifications already obtained

ISTQB® Product Portfolio Evolution
Evolution Axes

➢ The review of the product architecture and product portfolio embraces three aspects

1. The **overall framework** in which the various certification modules have to fit

2. The **modules** that populate the framework: fitting the current modules (the existing ones and those under development) and identifying/positioning the potential new ones

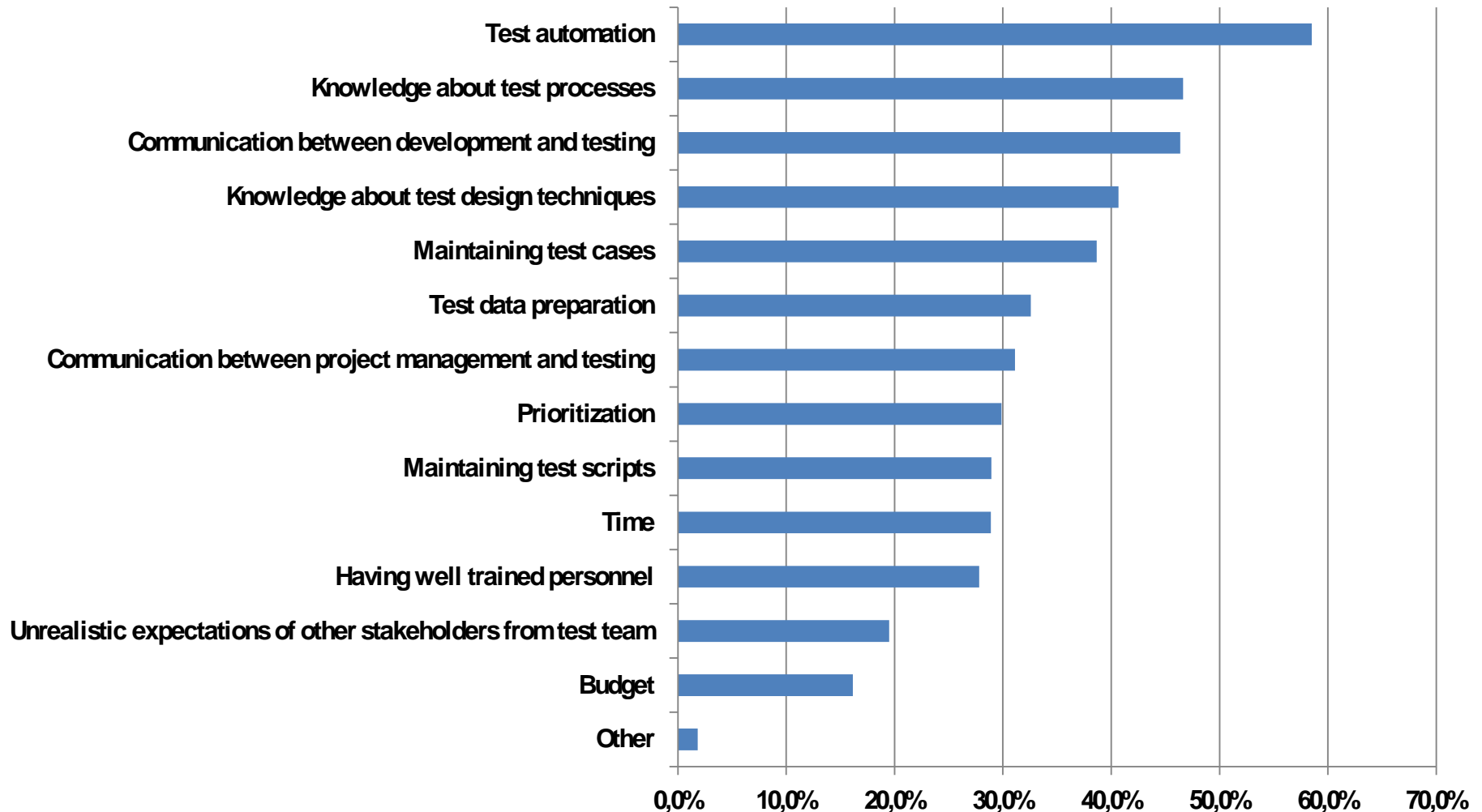3. The **preconditions/pre-requisites/entry criteria**

- The future ISTQB® Portfolio will be a **Matrix** characterized by:
  - **Levels** (FL, AL, EL): they identify progressively increasing LOs
  - **Categories**: they identify differing target groups of certification modules:
    - **Core**:
      - they cover a topic in a broad, horizontal way,
      - valid for any technology/ methodology/ application domain
      - Allowing for a common understanding
    - **Specialist:**
      - they cover a specific topic/ domain in a vertical way, using a drill down / deep-dive approach
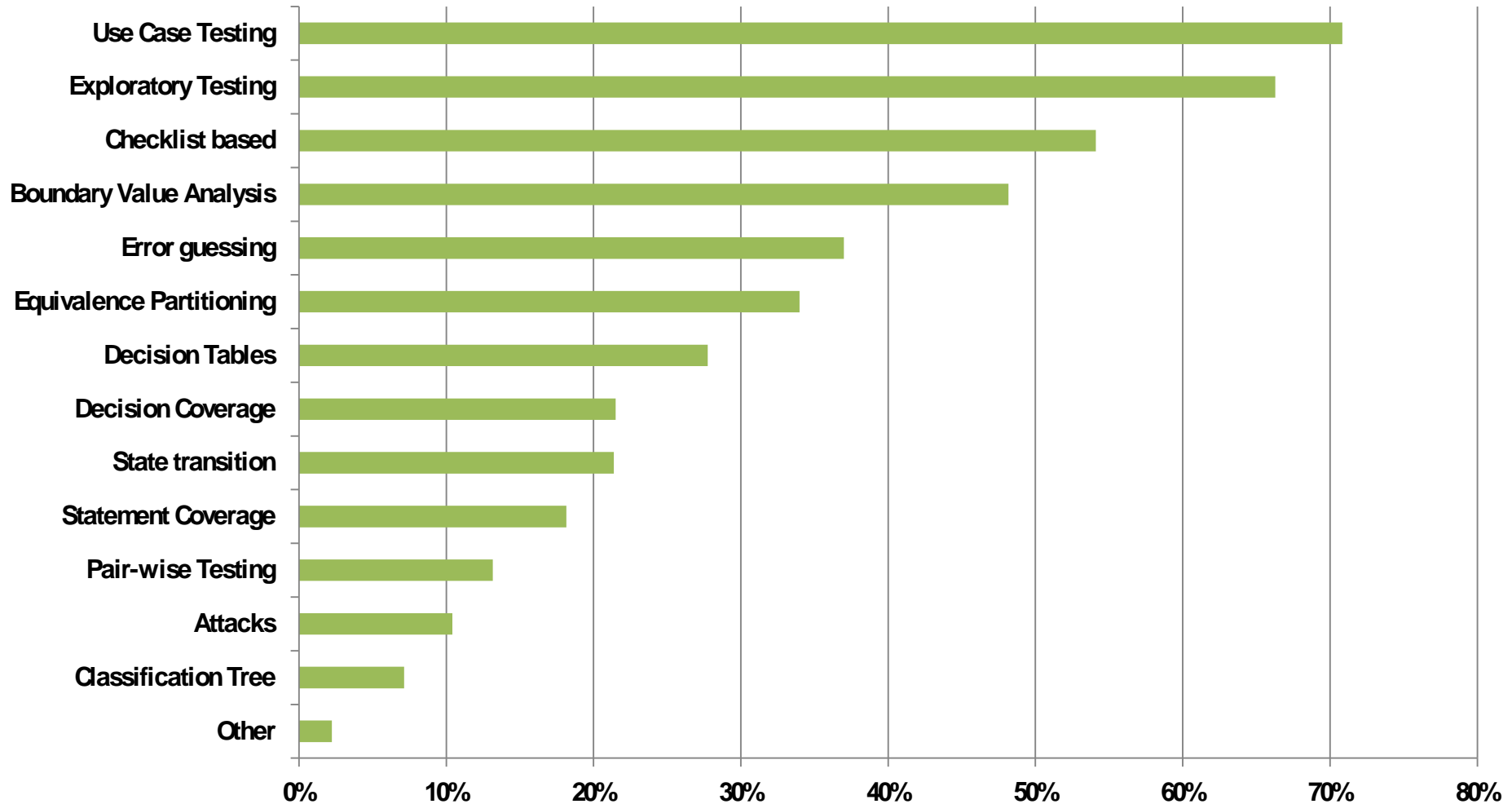
ISTQB® Product Portfolio Evolution
# The Global Framework

	CORE	SPECIALIST
CTEL		
CTAL		
CTFL		

What are the main improvement areas in your testing activities?

Improvement area	Percentage
Test automation	~58%
Knowledge about test processes	~47%
Communication between development and testing	~46%
Knowledge about test design techniques	~41%
Maintaining test cases	~38%
Test data preparation	~32%
Communication between project management and testing	~31%
Prioritization	~30%
Maintaining test scripts	~29%
Time	~29%
Having well trained personnel	~27%
Unrealistic expectations of other stakeholders from test team	~19%
Budget	~16%
Other	~2%

Which test techniques are utilized by your testing team?

Which of non-functional testing activities does your test team normally perform?
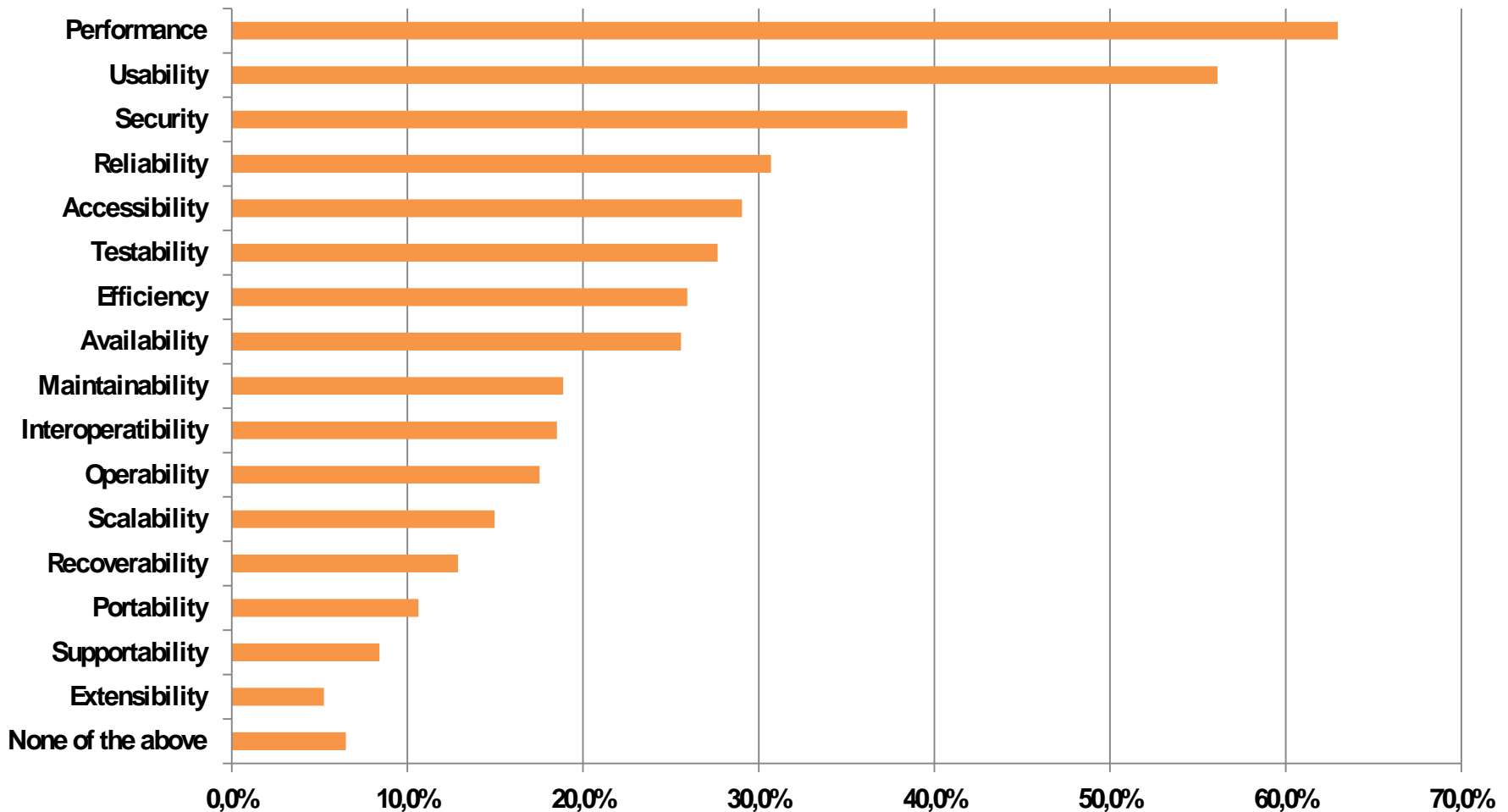
> The modules more required by the market are:
>> Agile Advanced
>> Mobile Testing
>> Performance Testing

> In addition, work is in progress on a first specialist module focused on a specific application domain:
>> Automotive Tester

Fitting current/ future modules
into the Global Framework – Within 3 years

	CORE	SPECIALIST			
CTEL	Test Management	Impr Test Process			
CTAL	AL-TM AL-TA AL-TTA	Performance AL	Test Automation	Security	Usability
		Agile Automation AL	Agile Test Coach AL		Mobile Automation
CTFL	FOUNDATION	MBT FL	Agile FL	Perform. FL	Automotive Tester FL / Mobile FL

Let's Make a Difference…

Let's support our Customers…

THANK YOU!