

CMMI® for SCAMPISM Class A Appraisal Results 2012 Mid-Year Update

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Pittsburgh, PA 15213

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Software Engineering Institute

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Outline

Introduction

Current Status

Community Trends

Organizational Trends

Summary and Terms Used in this Briefing

This briefing is based solely on the appraisals reported to the SEI. It cannot be used as a source for an exact indicator of all organizations in the world using CMMI models or appraisal methods nor can it be used for certification or verification purposes.

The SEI does not certify appraisal results or organizations. The SEI licenses SEI Partners, authorizes/certifies lead appraisers, team leaders and high maturity lead appraisers to conduct appraisals. Neither the SEI nor any other organization is a “certifying authority” of the results from a SCAMPI appraisal. Therefore requests to the SEI to provide information to be used for this purpose can not be fulfilled. Information provided by the SEI, such as this briefing, is to demonstrate reported results of the use of CMMI products and services only.



Introduction - Purpose

Characterize the adoption of CMMI

Describe results from Standard CMMI Appraisal Method for Process Improvement (SCAMPISM) v1.2/v1.3 Class A appraisals using Capability Maturity Model[®] Integration (CMMI v1.2/ v1.3)*

- * Organizations previously appraised against CMMI v1.0 /v1.1 and which have not reappraised against v1.2 or v1.3 are not included in this report.
- * SVC,ACQ appraisals are included in this report, P-CMM appraisals are not included in this report,



Introduction - Briefing Contents

This briefing includes three primary sections:

1. Current Status

- Snapshot of the reporting organizations based on the most recent appraisals, since the release of SCAMPI V1.2

2. Community Trends

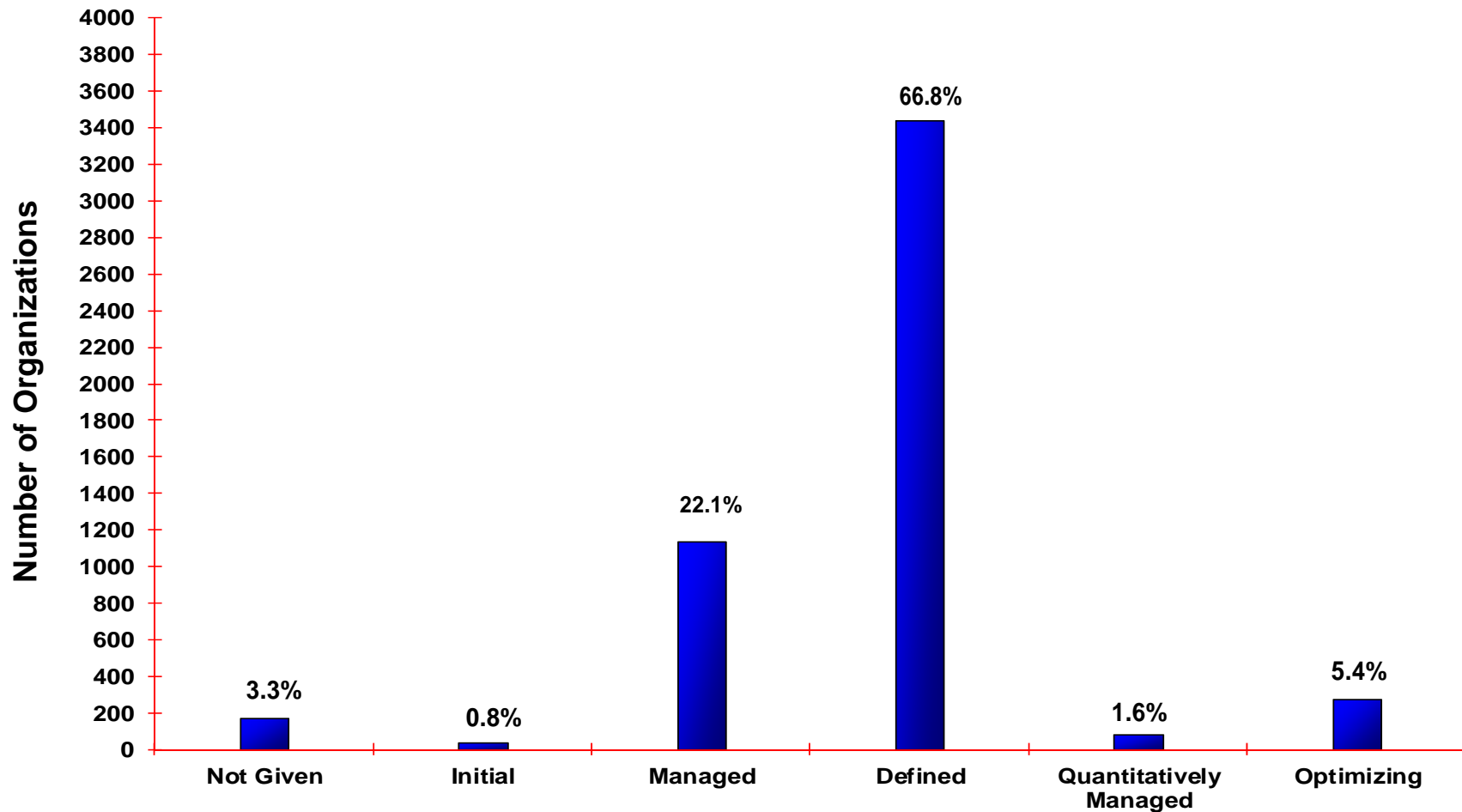
- Changes in the global distribution of appraisals
- Growth in the number of appraisals performed
- Shifts in the maturity profile over time

3. Organizational Trends

- Time to move up in maturity based on change in maturity level and time between appraisals



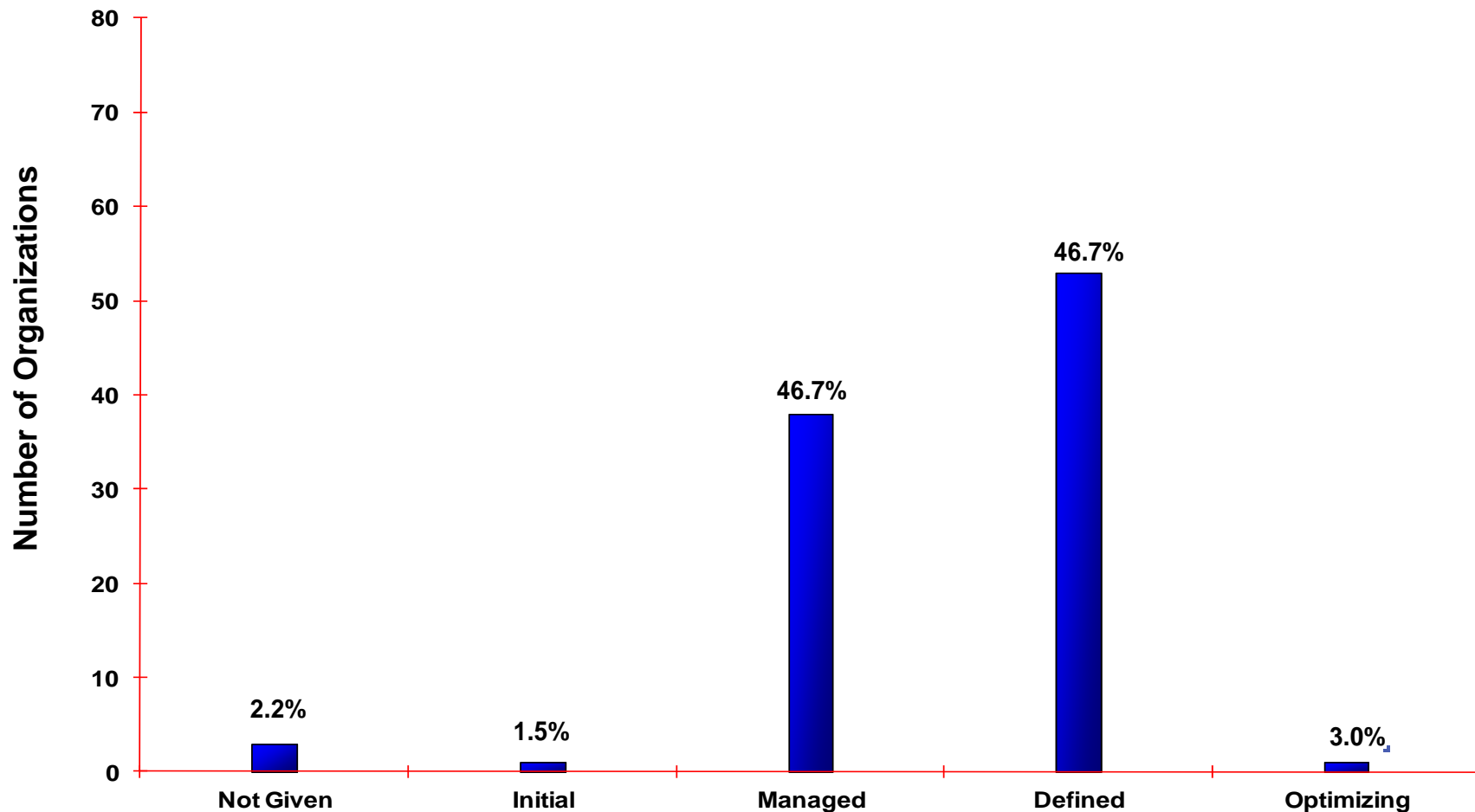
Process Maturity Profile by All Reporting Organizations



Based on most recent appraisal of 5159 organizations



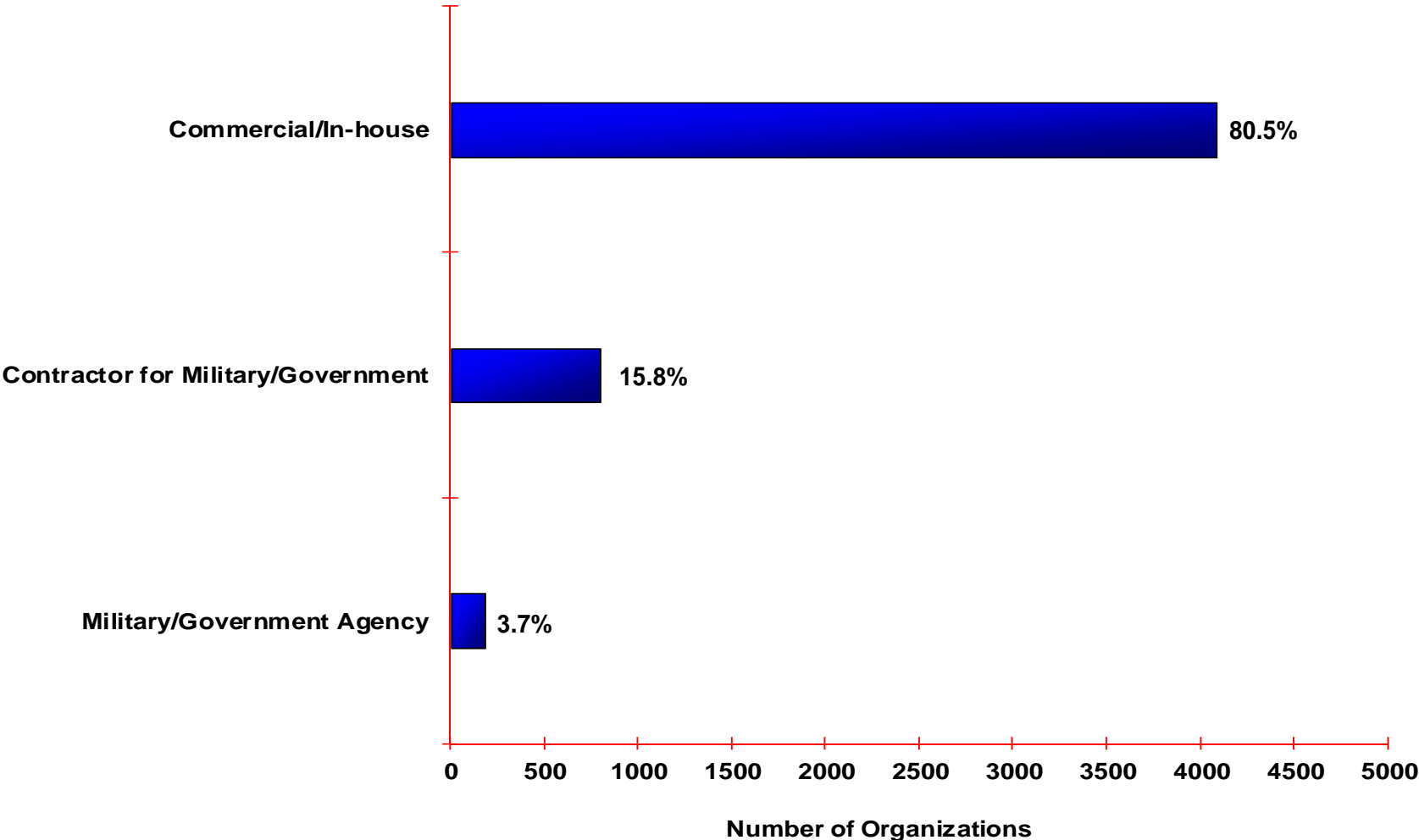
Process Maturity Profile (SVC Only) by All Reporting Organizations



Based on most recent appraisal of 135 organizations



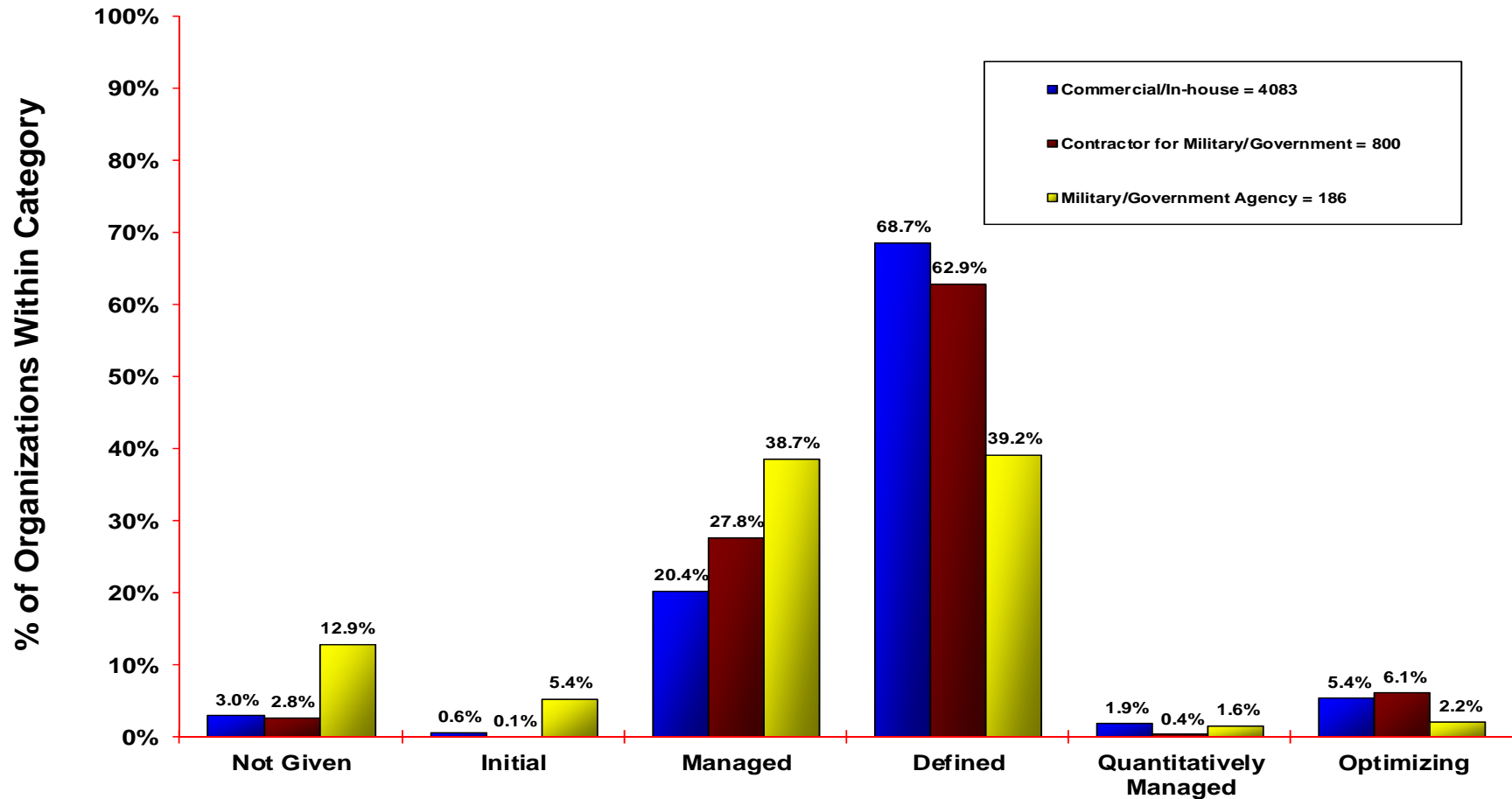
Reporting Organization Categories



Based on most recent appraisal of 5069 organizations reporting an organization category



Process Maturity Profile by Reporting Organization Categories

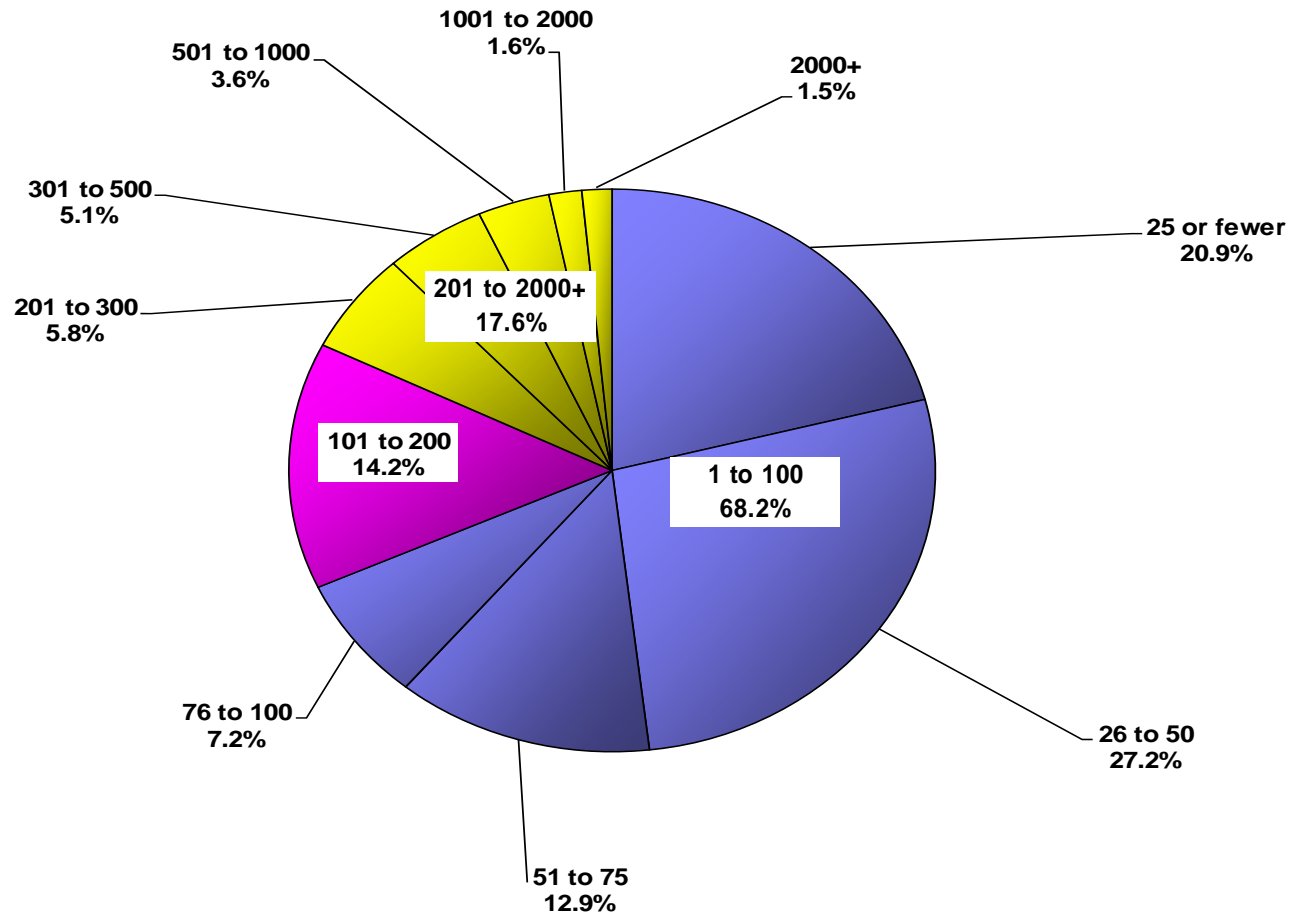


Based on most recent appraisal of 5069 organizations reporting an organization category



Organization Size

Based on the total number of employees within the area of the organization that was appraised

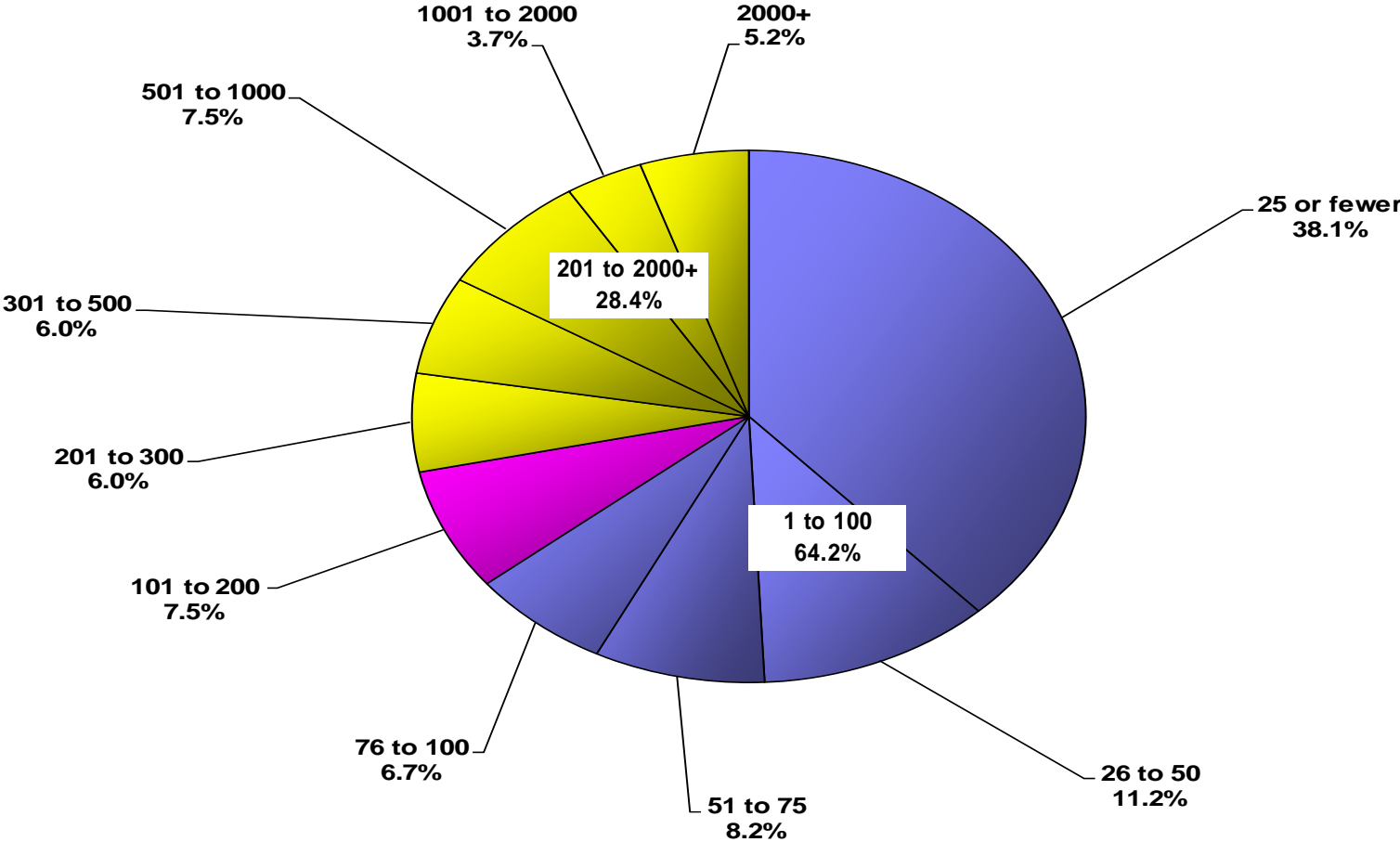


Based on 5129 organizations reporting size data



Organization Size (SVC Only)

Based on the total number of employees within the area of the organization that was appraised

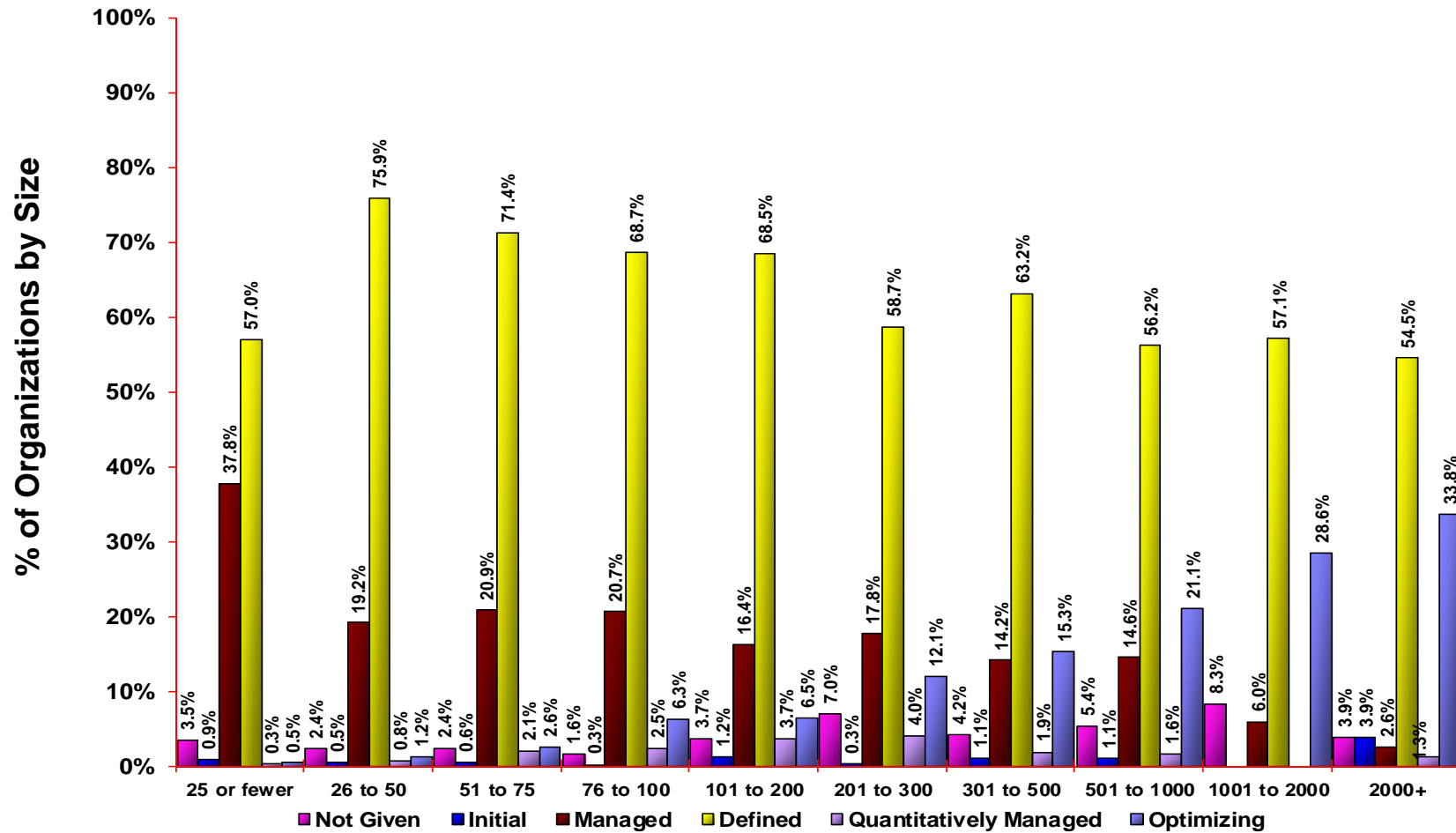


Based on 134 organizations reporting size data



Maturity Profile by Organization Size

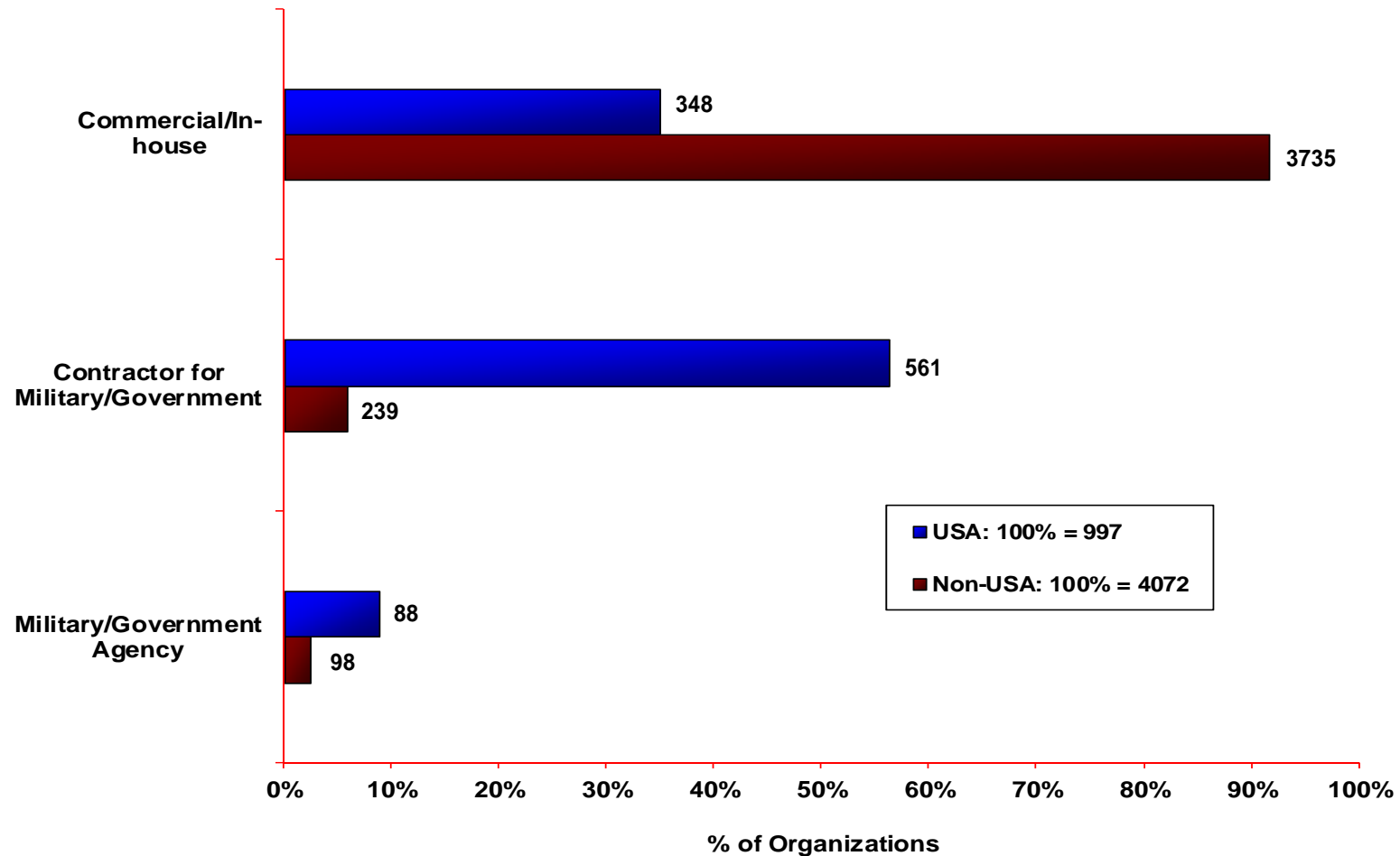
Based on the total number of employees within the area of the organization that was appraised



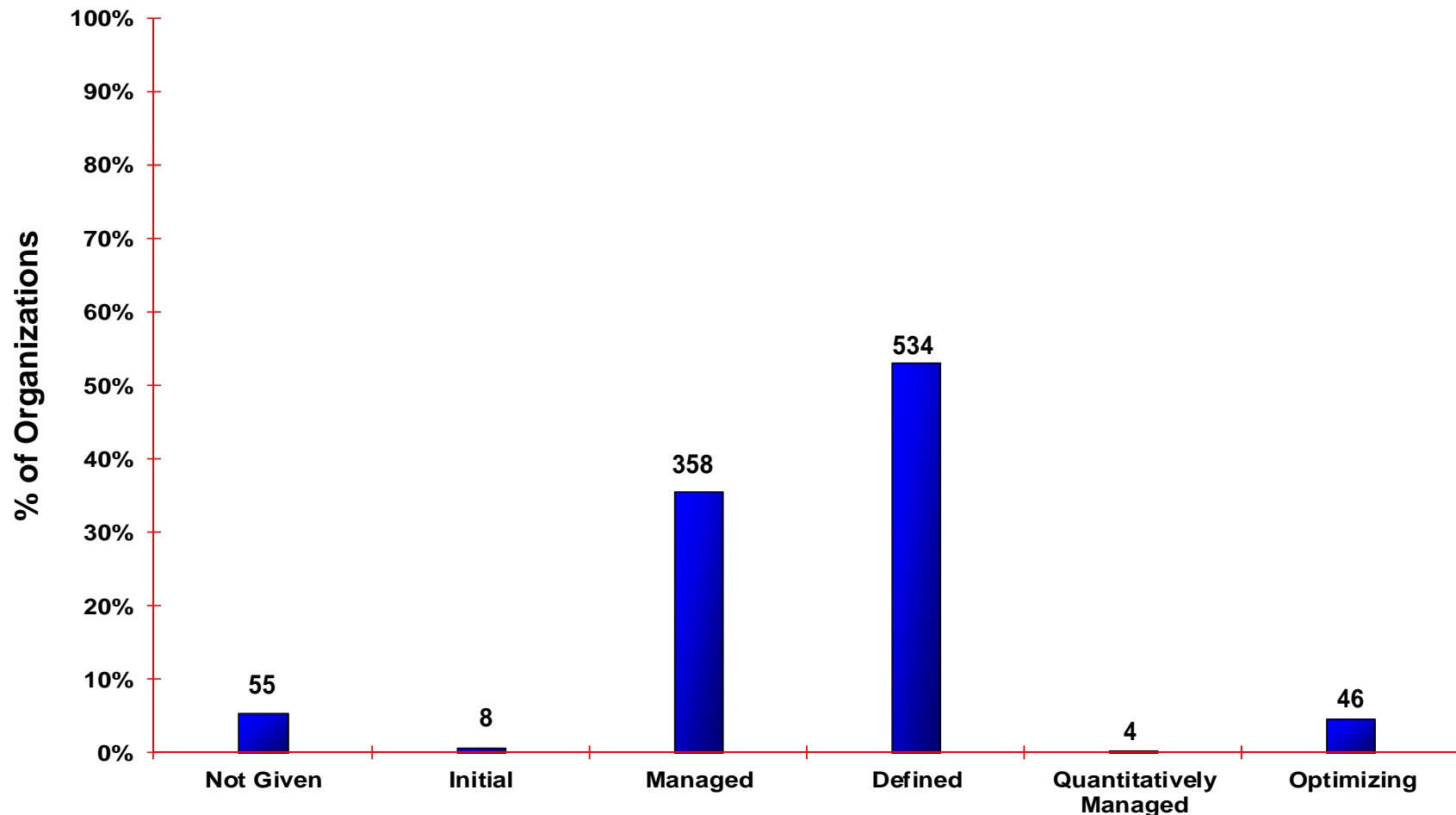
Based on 5129 organizations reporting size data



USA and Non-USA Reporting Organization Categories



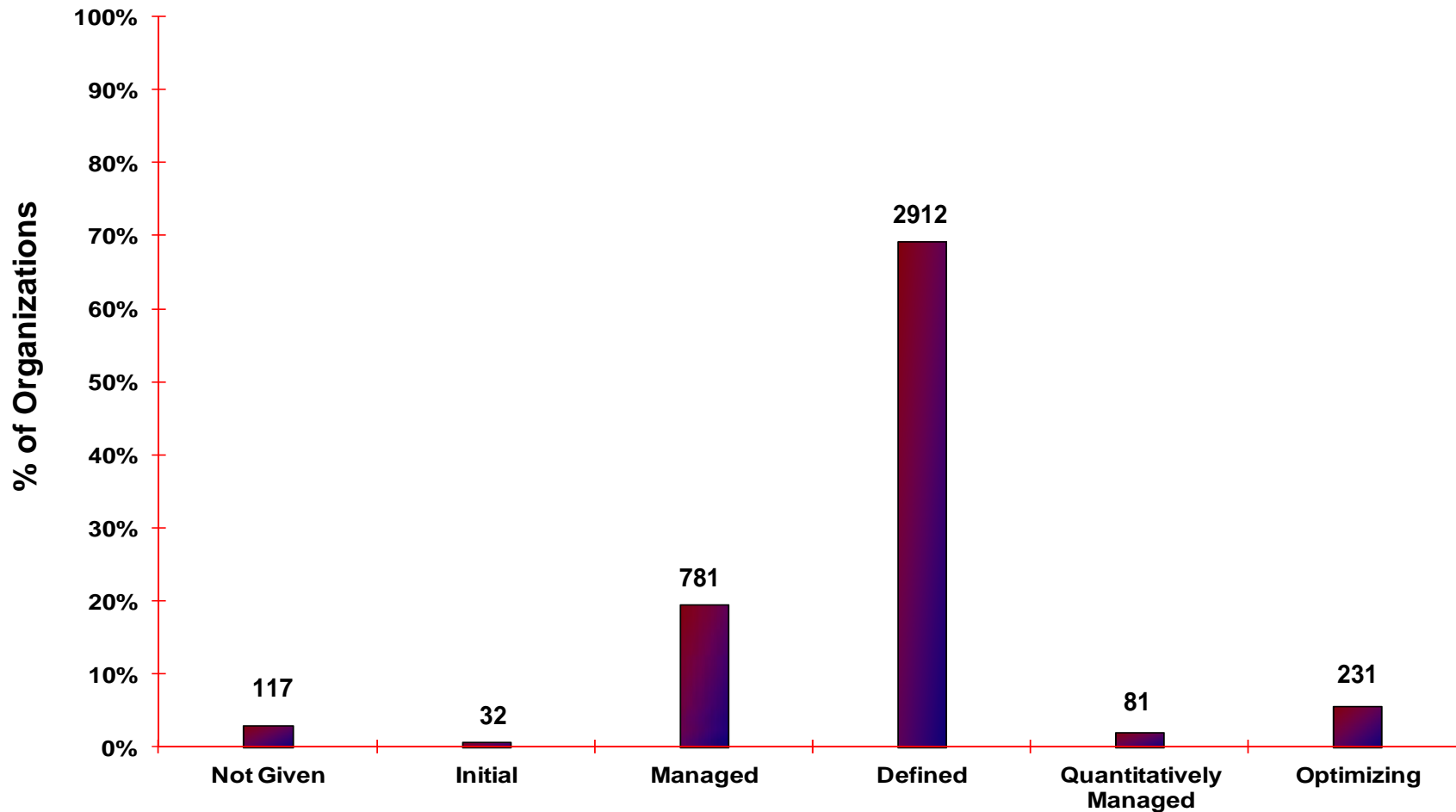
Maturity Profile by All Reporting Organizations in the USA



Based on 1005 organizations in the USA



Maturity Profile by All Reporting Organizations based outside the USA



Based on 4154 organizations outside the USA



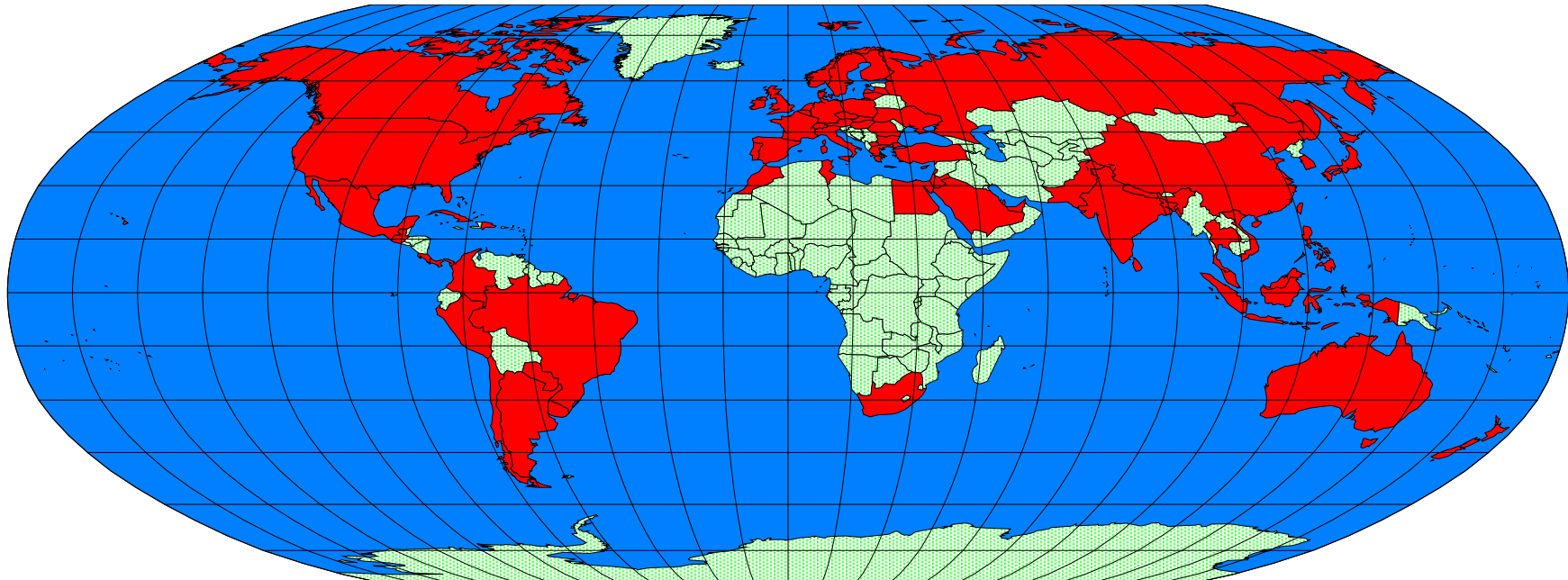
Section 2—Community Trends

Appraisals are conducted through June 2012 and reported to the SEI by July 2012

- 78 countries reporting appraisals
 - Most of the appraisals are from Asia and North America.
- 6010 Appraisals posted on PARS
 - Expired appraisals are removed from PARS and replaced with the newest reappraisal result.



Countries Where Appraisals Have Been Performed and Reported to the SEI

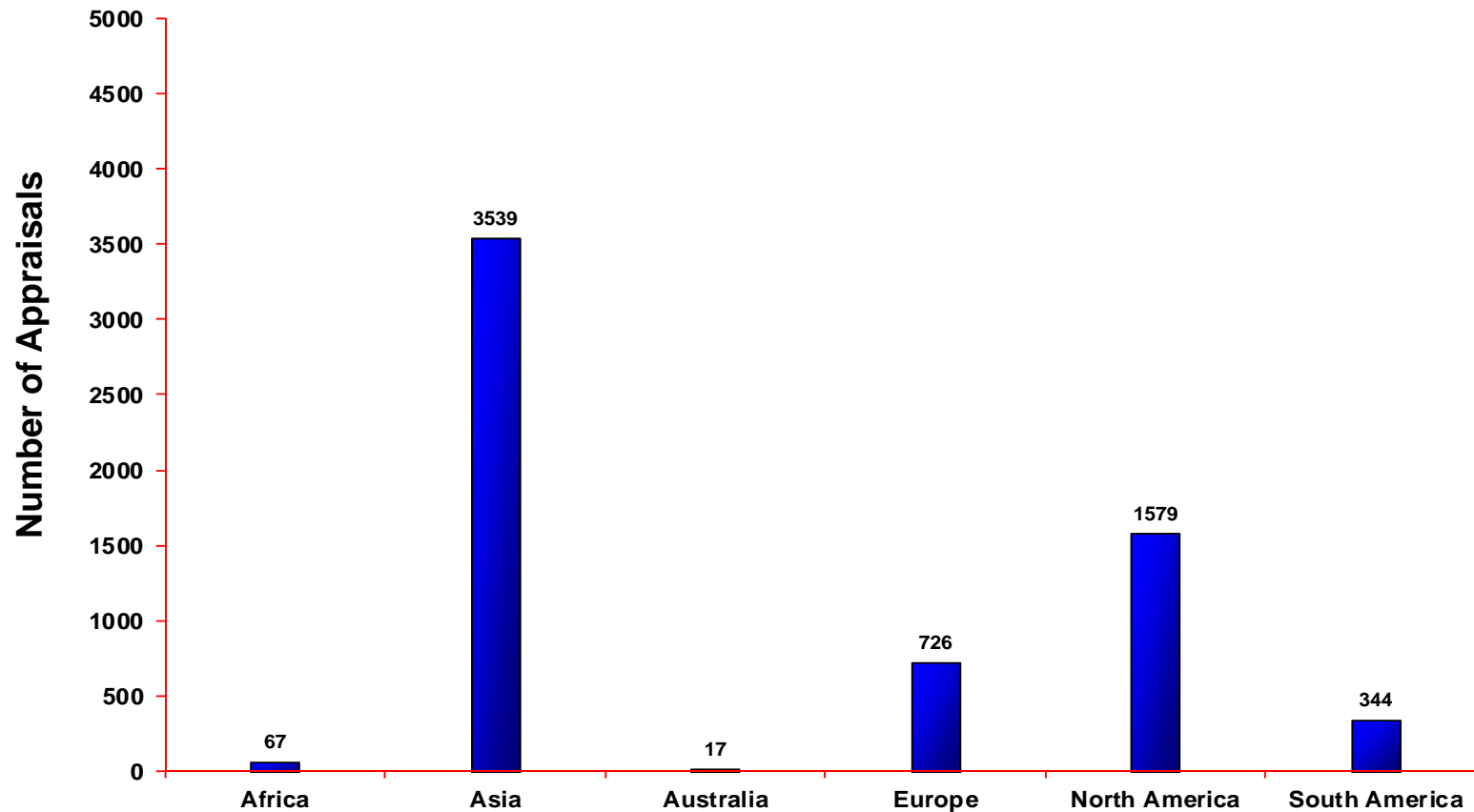


Argentina	Australia	Austria	Bahrain	Bangladesh	Belgium	Brazil	Brunei Darussalam
Bulgaria	Canada	Cayman Islands	Chile	China	Colombia	Costa Rica	Cuba
Cyprus	Czech Republic	Denmark	Dominican Republic	Egypt	Finland	France	Germany
Greece	Guatemala	Hong Kong	Hungary	India	Indonesia	Ireland	Israel
Italy	Japan	Jordan	Korea, Republic Of	Latvia	Lebanon	Lithuania	Luxembourg
Macedonia	Malaysia	Mauritius	Mexico	Morocco	Nepal	Netherlands	New Zealand
Norway	Pakistan	Panama	Paraguay	Peru	Philippines	Poland	Portugal
Qatar	Romania	Russia	Saudi Arabia	Singapore	Slovakia	South Africa	Spain
Sri Lanka	Sweden	Switzerland	Syrian Arab Republic	Taiwan	Thailand	Tunisia	Turkey
Ukraine	United Arab Emirates	United Kingdom	United States	Uruguay	Viet Nam		

Red country name: New additions with this reporting since March 2012



Number of Appraisals Reported to the SEI by Continent

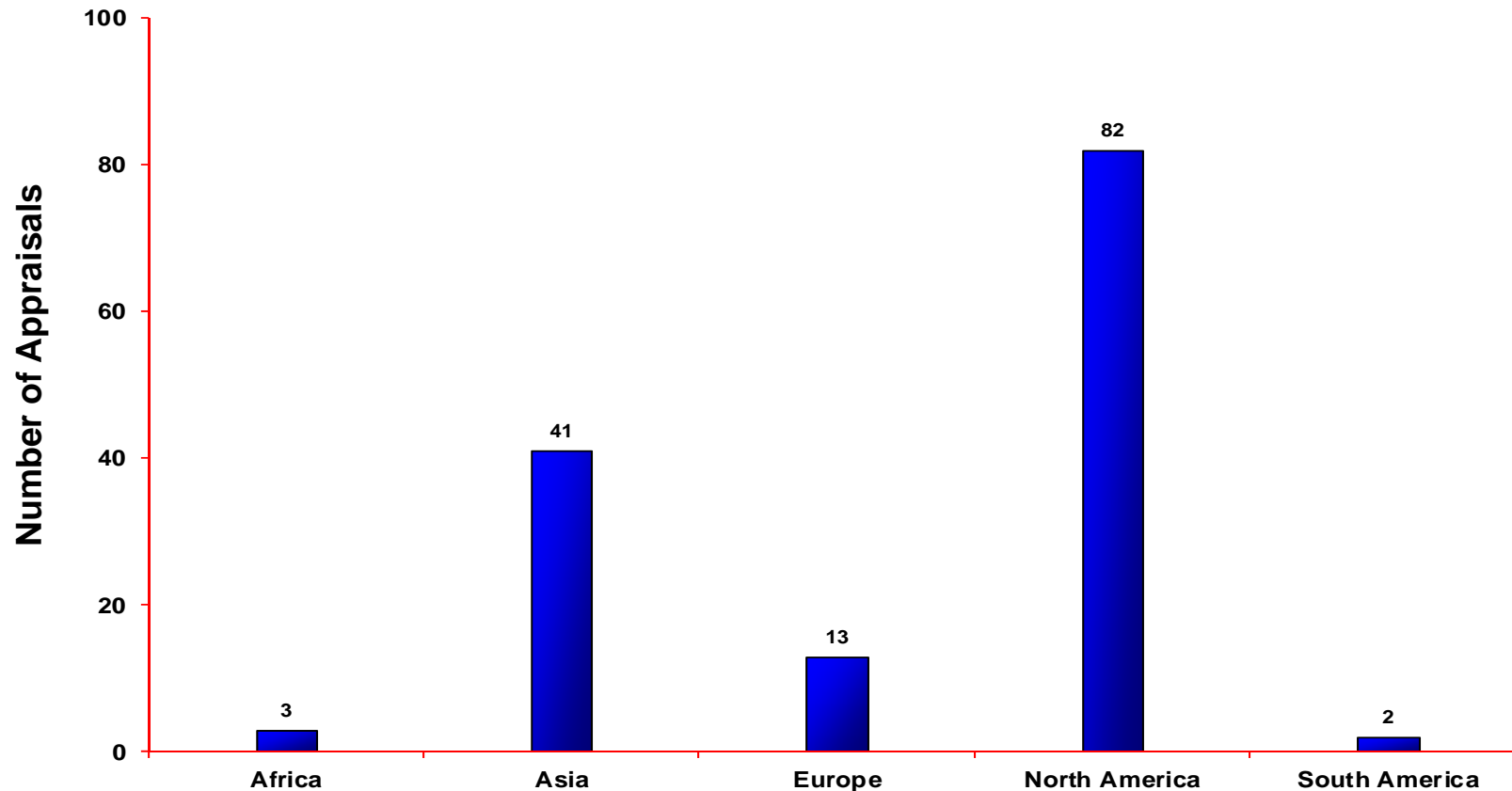


Based on 6272 appraisals

North America includes Canada, the USA, and Mexico; South America includes Central America and the Caribbean ; Australia includes New Zealand



Number of Appraisals Reported to the SEI by Continent (SVC Only)



Based on 141 appraisals

North America includes Canada, the USA, and Mexico; South America includes Central America and the Caribbean ; Australia includes New Zealand



Number of Appraisals and Maturity Levels Reported to the SEI by Country

Country	Number of Appraisals	Maturity Level 1 Reported	Maturity Level 2 Reported	Maturity Level 3 Reported	Maturity Level 4 Reported	Maturity Level 5 Reported	Country	Number of Appraisals	Maturity Level 1 Reported	Maturity Level 2 Reported	Maturity Level 3 Reported	Maturity Level 4 Reported	Maturity Level 5 Reported
Argentina	72		42	23		3	Luxembourg	10 or fewer					
Australia	15		3	6		1	Macedonia	10 or fewer					
Austria	10 or fewer						Malaysia	52	9	41			2
Bahrain	10 or fewer						Mauritius	10 or fewer					
Bangladesh	12			12			Mexico	131	67	53	2		7
Belgium	10 or fewer						Morocco	10 or fewer					
Brazil	151	1	82	58		8	Nepal	10 or fewer					
Brunei Darussalam	10 or fewer						Netherlands	13	1	4	7		
Bulgaria	10 or fewer						New Zealand	10 or fewer					
Canada	32	1	10	12		4	Norway	10 or fewer					
Cayman Islands	10 or fewer						Pakistan	25	1	21	2		1
Chile	39	2	22	14		1	Panama	10 or fewer					
China	2128		75	1931	60	53	Paraguay	10 or fewer					
Colombia	44	1	16	11	3	5	Peru	20		10	9		
Costa Rica	10 or fewer						Philippines	16		3	6	1	5
Cuba	10 or fewer						Poland	10 or fewer					
Cyprus	10 or fewer						Portugal	21		9	10		2
Czech Republic	10 or fewer						Qatar	10 or fewer					
Denmark	10 or fewer						Romania	11	1	4	6		
Dominican Republic	10 or fewer						Russia	10 or fewer					
Egypt	49	1	26	18		1	Saudi Arabia	14		2	6	2	3
Finland	10 or fewer						Singapore	19		5	11	1	
France	130	3	73	41		1	Slovakia	10 or fewer					
Germany	69	7	26	20			South Africa	10 or fewer					
Greece	10 or fewer						Spain	254	1	146	83	2	10
Guatemala	10 or fewer						Sri Lanka	17		2	15		
Hong Kong	13		3	5		4	Sweden	10 or fewer					
Hungary	10 or fewer						Switzerland	10 or fewer					
India	581	1	16	411	4	139	Syrian Arab Republic	10 or fewer					
Indonesia	10 or fewer						Taiwan	120	1	48	65	4	1
Ireland	10 or fewer						Thailand	63		18	42		3
Israel	16	1		8		5	Tunisia	10 or fewer					
Italy	58		29	25			Turkey	25			22		3
Japan	201	8	45	103	9	10	Ukraine	10 or fewer					
Jordan	10 or fewer						United Arab Emirates	12		4	8		
Korea, Republic Of	172		60	84	12	9	United Kingdom	87	3	25	32		5
Latvia	10 or fewer						United States	1416	12	522	714	5	73
Lebanon	10 or fewer						Uruguay	10 or fewer					
Lithuania	10 or fewer						Viet Nam	29			25	1	3

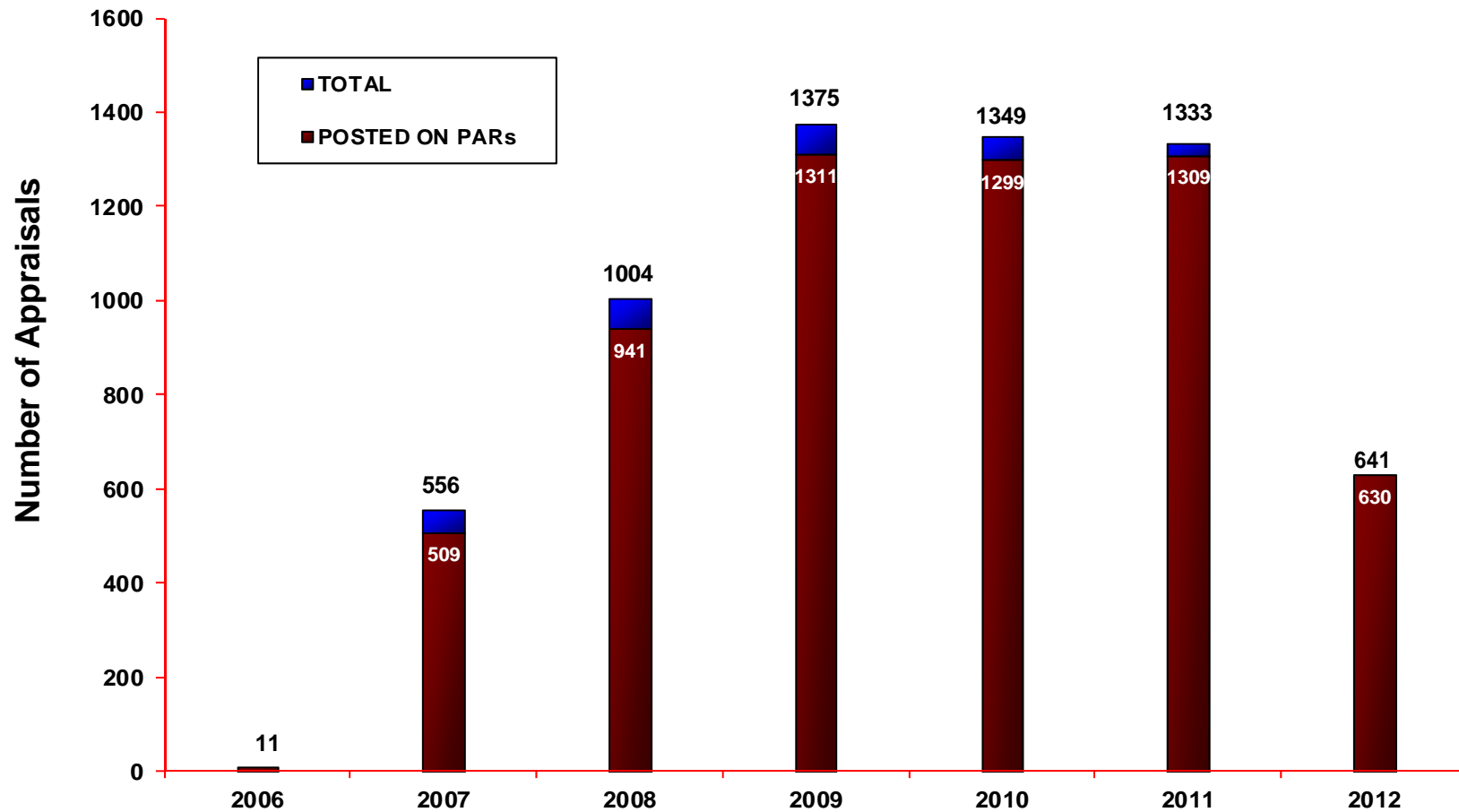


Most Reported Appraisals per Year by Country

Country	2006	2007	2008	2009	2010	2011	2012	Total
China	1	103	273	482	499	508	262	2128
United States	3	149	238	311	307	269	139	1416
India	5	81	80	117	110	125	63	581
Spain		15	30	75	43	60	31	254
Japan		16	47	40	40	44	14	201
Korea, Republic Of		21	30	28	35	45	13	172
Brazil		16	27	38	37	26	7	151
Mexico		4	18	30	35	29	15	131
France		13	29	31	28	23	6	130
Taiwan		18	29	19	24	23	7	120



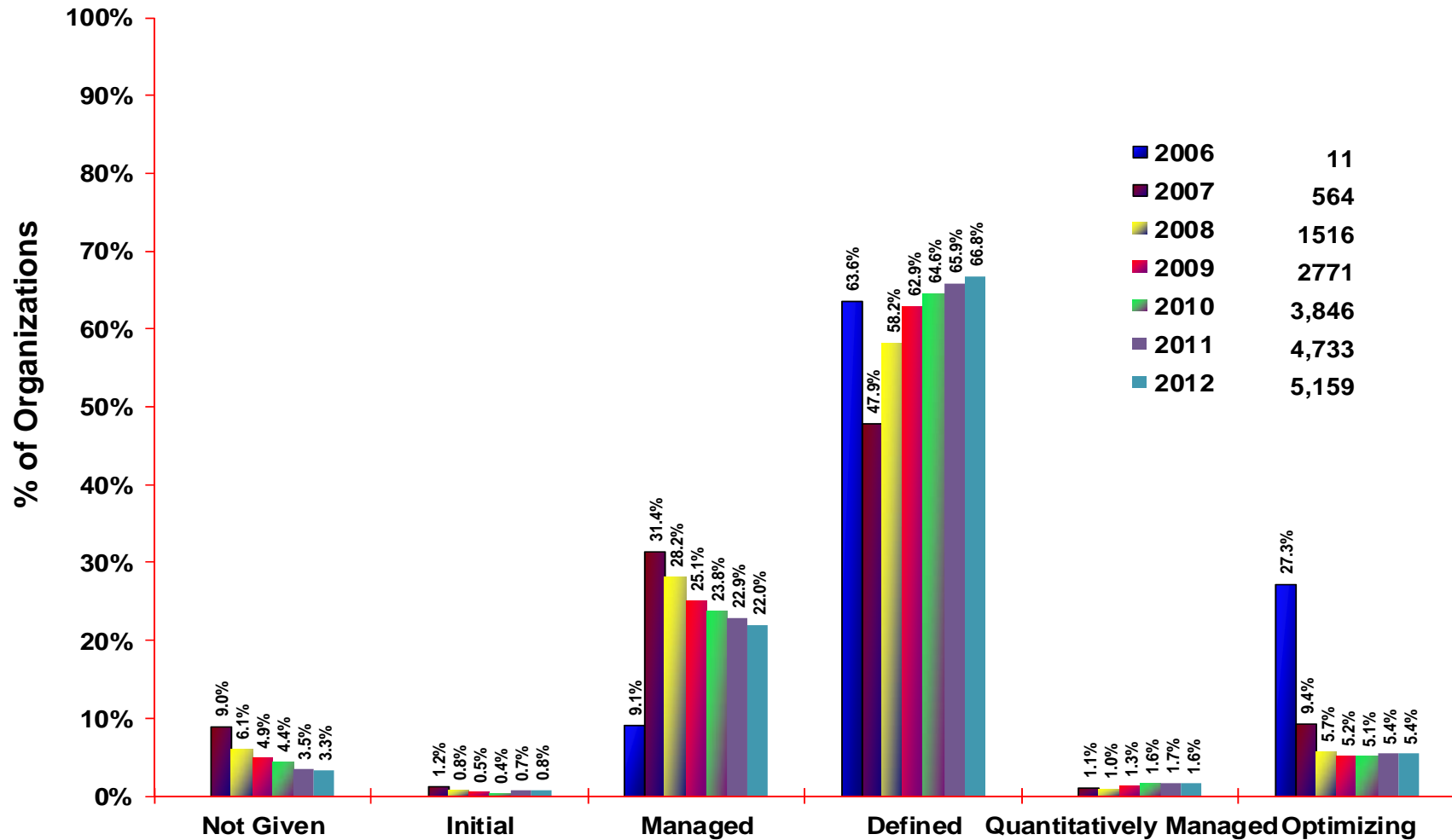
Number of SCAMPI A Appraisals Reported to SEI by Year



Based on 6272 appraisals



Trends in the Community Maturity Profile

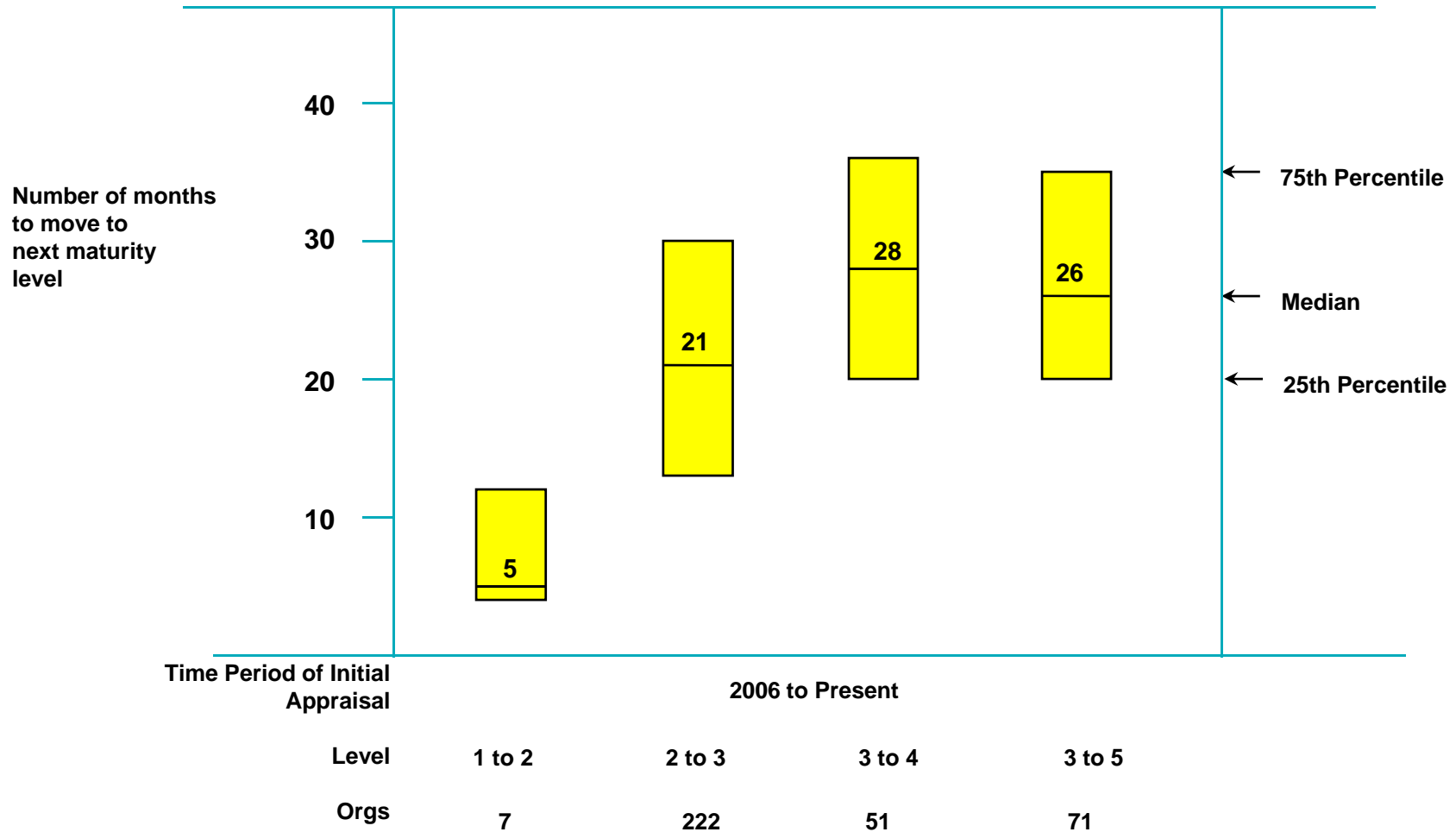


2006	11
2007	564
2008	1516
2009	2771
2010	3,846
2011	4,733
2012	5,159

Based on a cumulative view of the most recent appraisals of organizations up through the year indicated



Time to Move Up



Summary -1

Since 2006, 6272 SCAMPI v1.2/1.3 appraisals have been reported to the SEI.

Despite global economic conditions, demand appears to be consistent. 61 more SCAMPI appraisals were performed in the first six months of 2012 compared to the first six months of 2009.

Appraisals reported from China, Spain, Korea, India, Japan and Mexico are increasing at a rapid rate.

More than 68% of appraised organizational units have 100 or fewer employees. The percentage is increasing steadily.

The majority of reported appraisals are maturity level 2 and 3 organizations.

The number of appraisals in the USA and China represent more than 56% of the total number of appraisals.



Summary -2

China is now reporting more appraisals than USA

For organizations that began their CMMI-based SCAMPI effort with V1.2 or later, the median time to move from

- maturity level 2 to 3 is 21 months
- maturity level 3 to 4 is 28 months
- maturity level 3 to 5 is 26 months

Note:

Since the March 2012 report, the median time to move from maturity level 2 to 3 increased from 20 months to 21 months. The median time to move from maturity level 3 to 4 increased from 25 months to 28 months. The median time to move from maturity level 3 to 5 remains the same as 26 months.



Terms Used in this Report

- Company** - Parent of the appraised entity. A company can be a commercial or non-commercial firm, for-profit or not for-profit business, a research and development unit, a higher education unit, a government agency, or branch of service, etc.
- Organization** - a.k.a. Appraised entity. The organization unit to which the appraisal results apply. An appraised entity can be the entire company, a selected business unit, units supporting a particular product line or service, etc.
- Non-USA** - Appraised entity whose geographic location is not within the United States. The parent of the appraised entity may or may not be based within the United States.
- PARS** - the Published Appraisal Results webpage contains CMMI® appraisals published at the request of the appraisal sponsor. The URL is:
<http://sas.sei.cmu.edu/pars/>



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