CMMI® Impact
August 2009

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Software Engineering Institute | **Carnegie Mellon**

1. REPORT DATE **AUG 2009**	2. REPORT TYPE	3. DATES COVERED **00-00-2009 to 00-00-2009**

4. TITLE AND SUBTITLE **CMMI Impact**	5a. CONTRACT NUMBER
	5b. GRANT NUMBER
	5c. PROGRAM ELEMENT NUMBER
6. AUTHOR(S)	5d. PROJECT NUMBER
	5e. TASK NUMBER
	5f. WORK UNIT NUMBER

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) **Carnegie Mellon University,Software Engineering Institute,Pittsburgh,PA,15213**	8. PERFORMING ORGANIZATION REPORT NUMBER

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)	10. SPONSOR/MONITOR'S ACRONYM(S)
	11. SPONSOR/MONITOR'S REPORT NUMBER(S)

12. DISTRIBUTION/AVAILABILITY STATEMENT
Approved for public release; distribution unlimited

13. SUPPLEMENTARY NOTES

14. ABSTRACT

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT **unclassified**	b. ABSTRACT **unclassified**	c. THIS PAGE **unclassified**	**Same as Report (SAR)**	**10**	

SCAMPI Cumulative Statistics
Calendar Year-End 2007 & 2008 as of 3-31-09

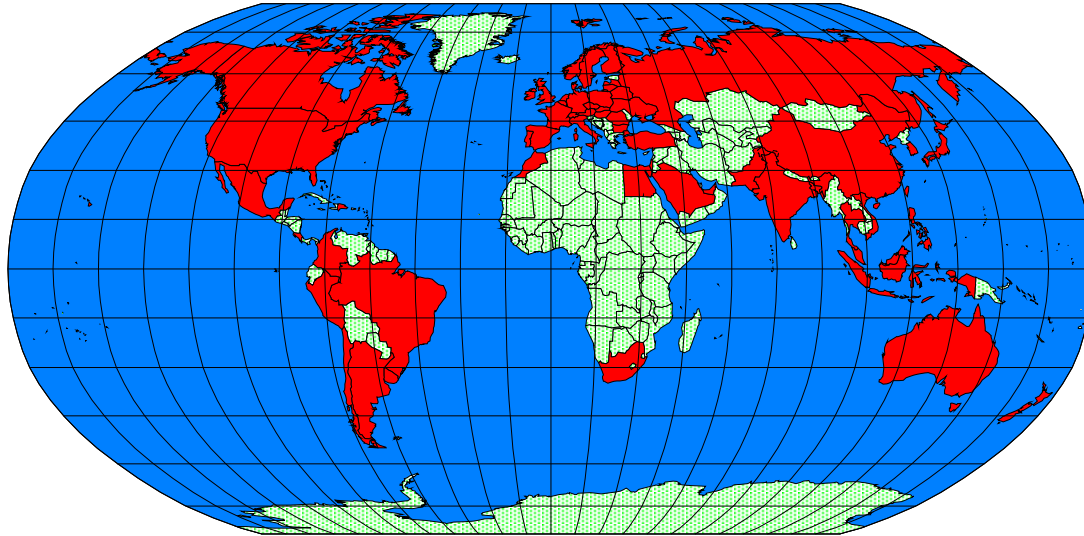|	CYE07	CYE08	Delta	% Increase
Appraisals Performed	3,113	4,134	1,021	32.8%
Organizations Appraised	2,674	3,446	772	28.9%
Participating Companies	1,882	2,544	672	35.7%
Re-appraised Organizations	361	564	203	56.2%
Projects	14,620	21,141	6,521	44.6%

SCAMPI Military / Government / DoD Contractor Cumulative Statistics Calendar Year-End 2007 & 2008

	CYE07	CYE08	Delta	% Increase
Appraisals Performed	574	661	89	15.2%
Organizations Appraised	574	661	89	15.2%
Participating Companies	278	326	48	17.3%
Projects	2,068	2,573	505	24.4%

CMMI Adoption Has Been Broad

SCAMPI A reports from 60 countries

Approx. 70% of adopters in US are contractors for military/government or are government

Estimated 900,000+ work in orgs that have had a SCAMPI A appraisal.

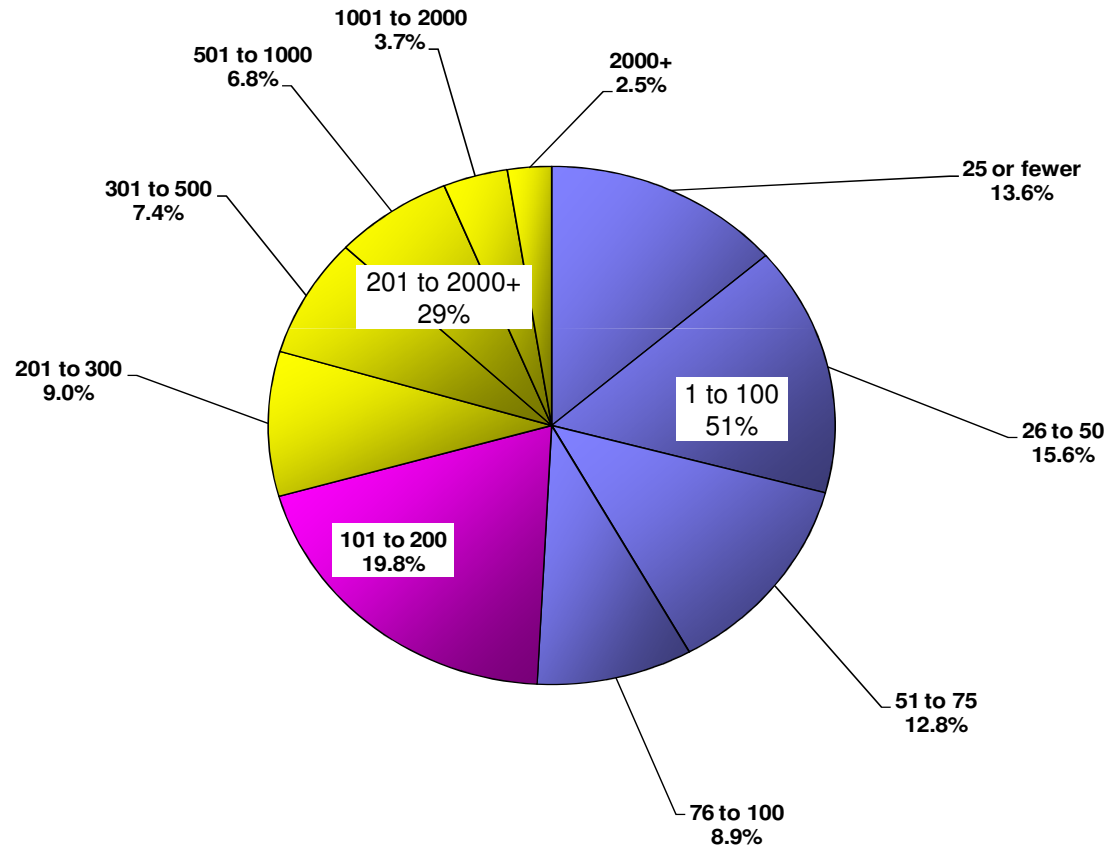25 countries with 10 or more appraisals (Aug 06 -> Jul 08):

- USA 598 -> 1034
- China 158 -> 465
- India 177 -> 323
- Japan 155 -> 220
- France 65 -> 112
- Korea (ROK) 56 -> 107
- Taiwan 31 -> 88
- Brazil 39 -> 79
- Spain 25 -> 75
- U.K. 42 -> 71
- Germany 28 -> 51
- Argentina 15 -> 47
- Canada 18 -> 43
- Malaysia 15 -> 42
- Mexico <10 -> 39
- Australia 23 -> 29
- Egypt 10 -> 27
- Chile <10 -> 20
- Philippines 14 -> 20
- Colombia <10 -> 18
- and Italy, Israel, Singapore, Hong Kong, and Pakistan

http://www.sei.cmu.edu/appraisal-program/profile/profile.html
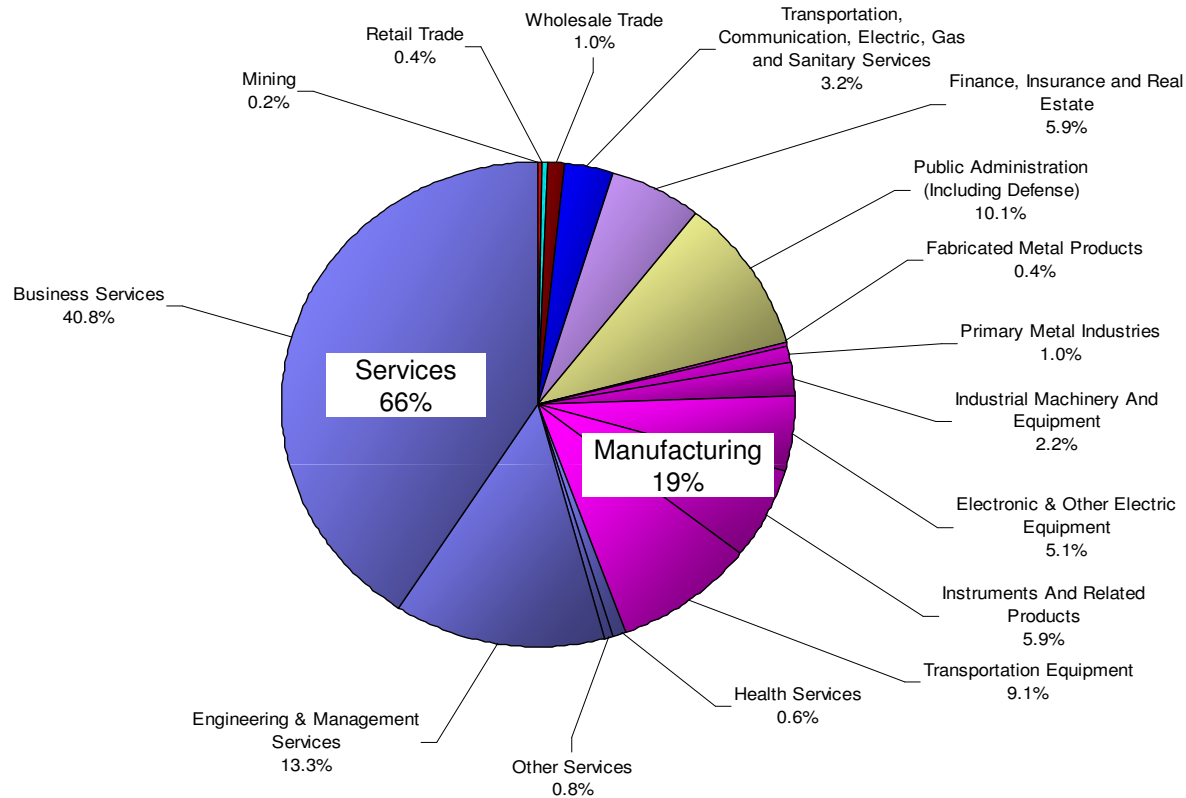Statistical analyses by the presenter.

Organizational Size
Based on total employees within area of appraised organization

Organizational Type
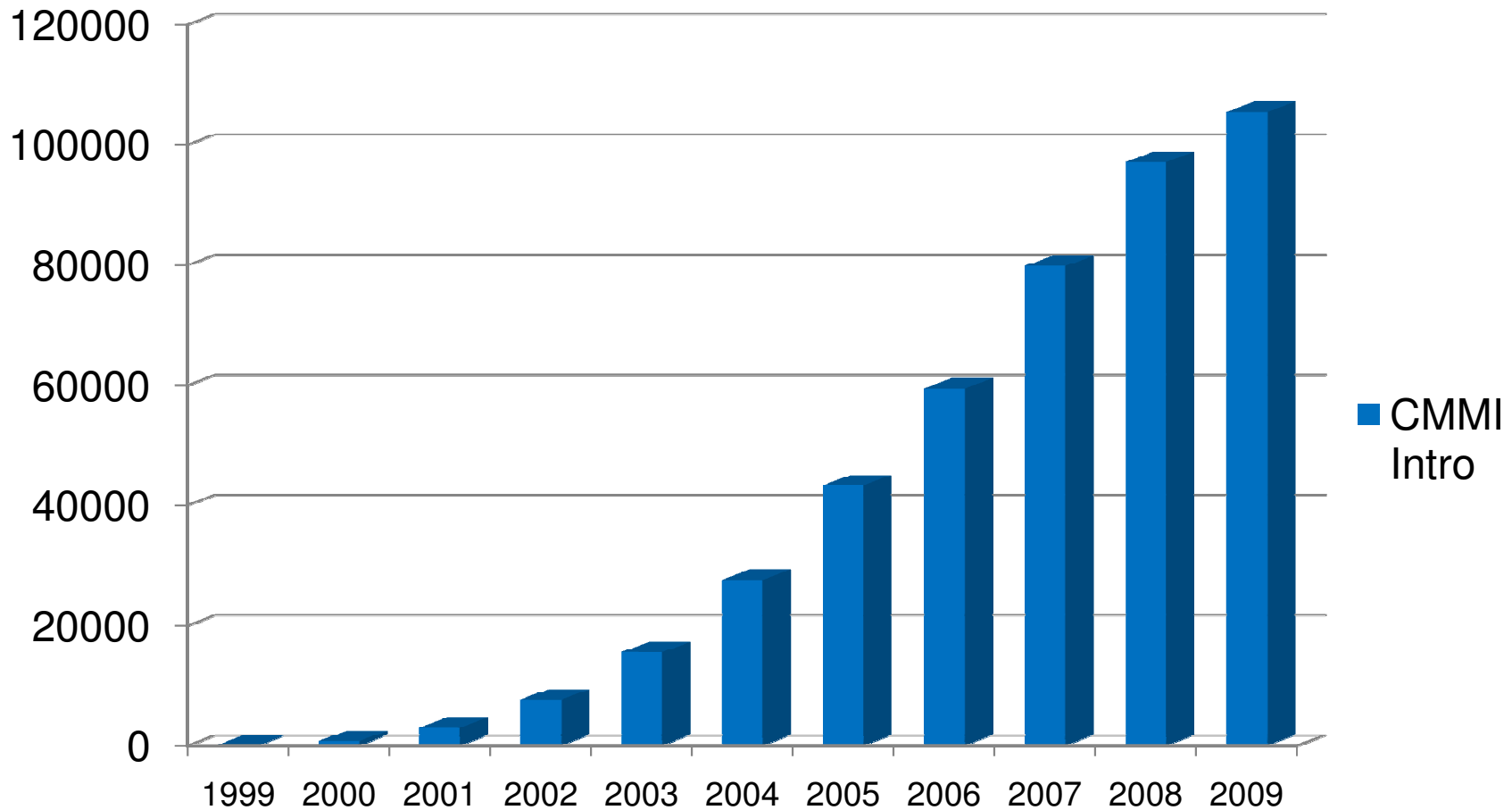## Based on Primary Standard Industrial Classification (SIC) Code

72% of adopters are commercial orgs
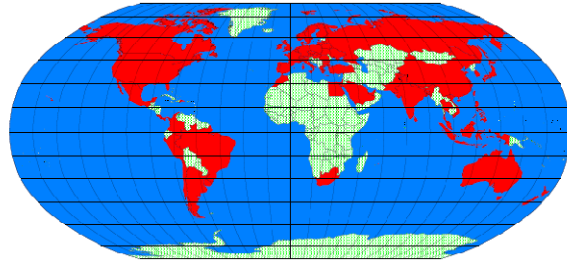
2/3 Services; 1/5 Manufacturing

Introduction to CMMI Attendees
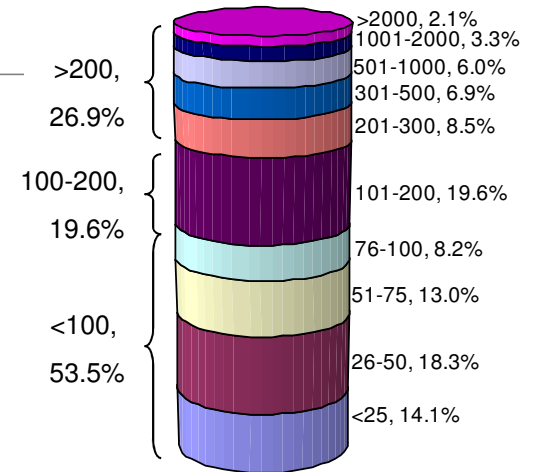## Cumulative as of 7-31-09

CMMI Adoption

Organization Size (Employees)

CMMI appraisals are conducted worldwide…

…in small and large organizations and projects

	USA		Non-USA	
	Qty	**%**	**Qty**	**%**
Commercial In-House	318	32.5%	2207	90.9%
Contractor for Military/Government	555	56.7%	163	6.7%
Military/Government Agency	106	10.8%	57	2.3%
	979	100.0%	2427	100.0%

>2000, 2.1%
1001-2000, 3.3%
501-1000, 6.0%
301-500, 6.9%
201-300, 8.5%
>200, 26.9%
100-200, 19.6%
101-200, 19.6%
76-100, 8.2%
51-75, 13.0%
<100, 53.5%
26-50, 18.3%
<25, 14.1%

(3407 organizations reporting)

…in a wide range of business domains

Services (69.2%)

- Engineering and Management Services
  - Public Administration
- Transportation and Utilities
  - Finance, Insurance, Real Estate
  - Health Services
- Retail/Wholesale Trade

Based on primary Standard Industrial Classification (SIC) codes reported in CMMI-based appraisals.

Manufacturing (17.6%)

- Electronic and Electric Equipment
  - Industrial Machinery
- Instruments and Related Products
  - Transportation Equipment
  - Other Mfg Industries

…at all levels of process maturity

	Commercial In-House	Contractor for Military/ Government	Military/ Government Agency
No Rating Given	6.3%	9.6%	23.3%
Initial (ML1)	0.9%	1.7%	1.9%
Managed (ML2)	29.1%	31.9%	44.9%
Defined (ML3)	50.4%	45.1%	25.8%
Quantitatively Managed (ML4)	3.4%	1.5%	0.6%
Optimizing (ML5)	9.9%	11.1%	3.7%
	(2525 orgs)	**(718 orgs)**	**(163 orgs)**

Source: SEI Process Maturity Profile, March 2009.

http://www.sei.cmu.edu/appraisal-program/profile/

Benefits of CMMI-Based Process Improvement

Many companies cite performance benefits from CMMI

- Published in conferences, articles, papers, studies, surveys, reports

SEI collects quantitative measures of CMMI performance improvement

- Technical reports, including:

  — "Performance Results of CMMI-Based Process Improvement" (http://www.sei.cmu.edu/pub/documents/06.reports/pdf/06tr004.pdf)

Performance Category	Median Improvement
Cost	34%
Schedule	50%
Productivity	61%
Quality	48%
Customer Satisfaction	14%
ROI	4.0 : 1

CMU/SEI-2006-TR-004.
Data from 35 organizations.

Number of SCAMPI Appraisals by Year