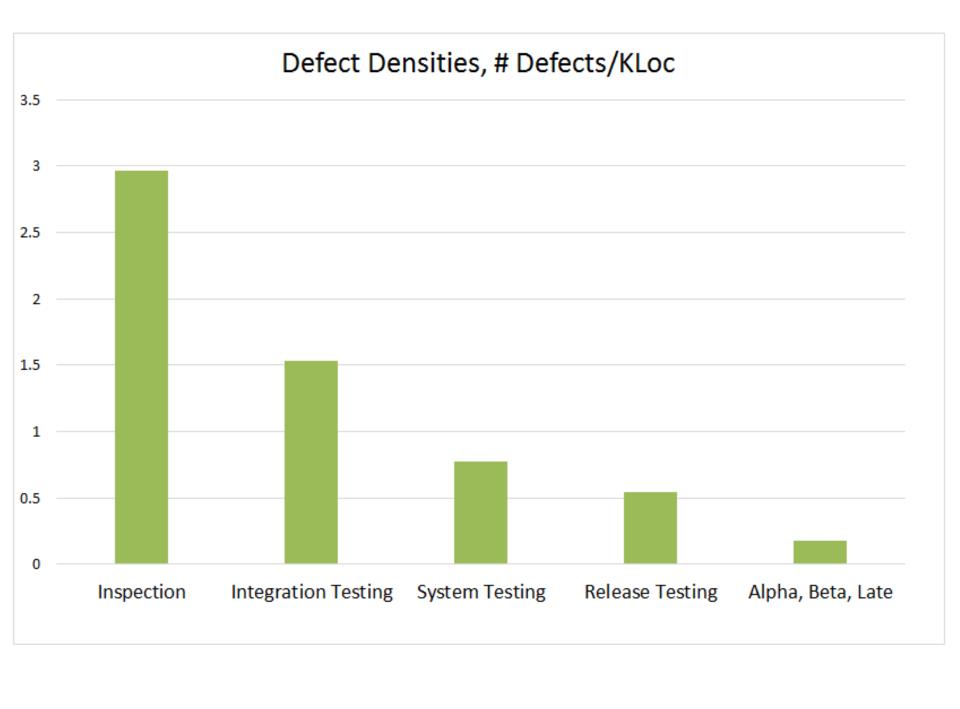
9th Central and Eastern European Software Engineering Conference in Russia - CEE-SECR 2013

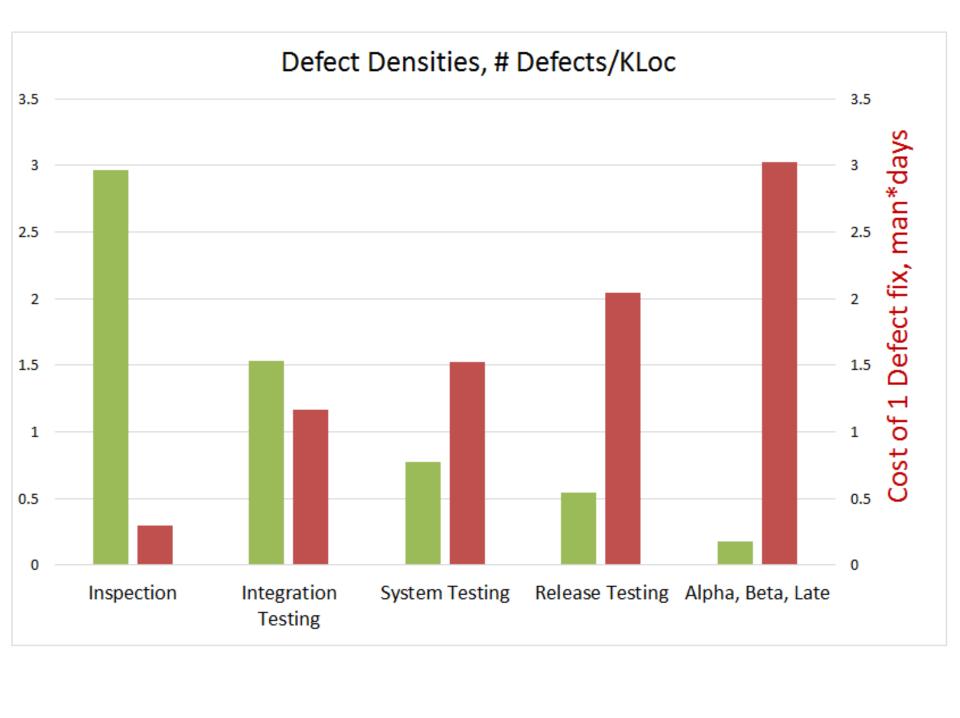
October 23 - 25, Moscow



Как заставить данные работать на ваш бизнес?

Ирина Максимова с Q G







«You cannot improve what you cannot measure»

Tom de Marko

В среднем в год в CQG

Проекты ~ 100 Линий кода ~ 1 000 000 Задачи ~ 10 000 Инспекци ~ 10 000 Дефекты ~ 1 000

2 миллиона записей в год



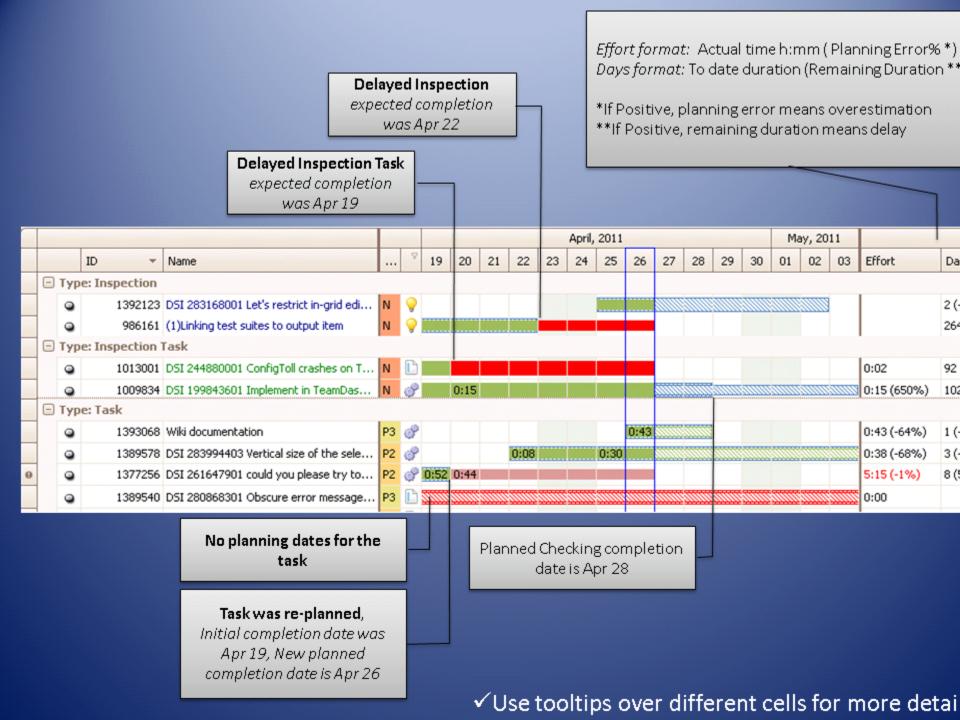


2 миллиона записей в год

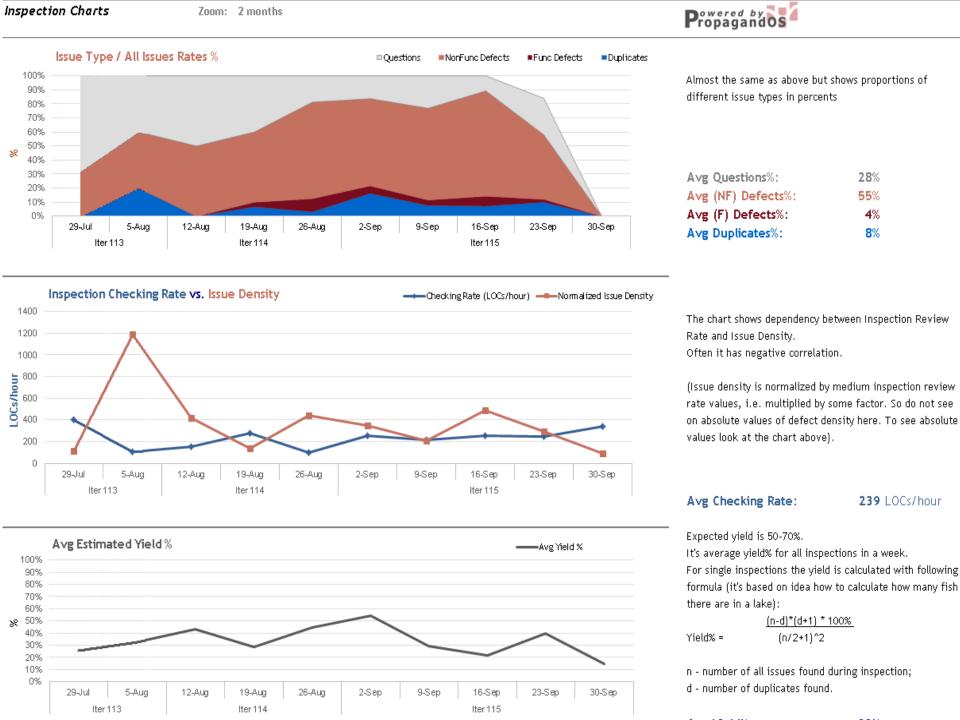








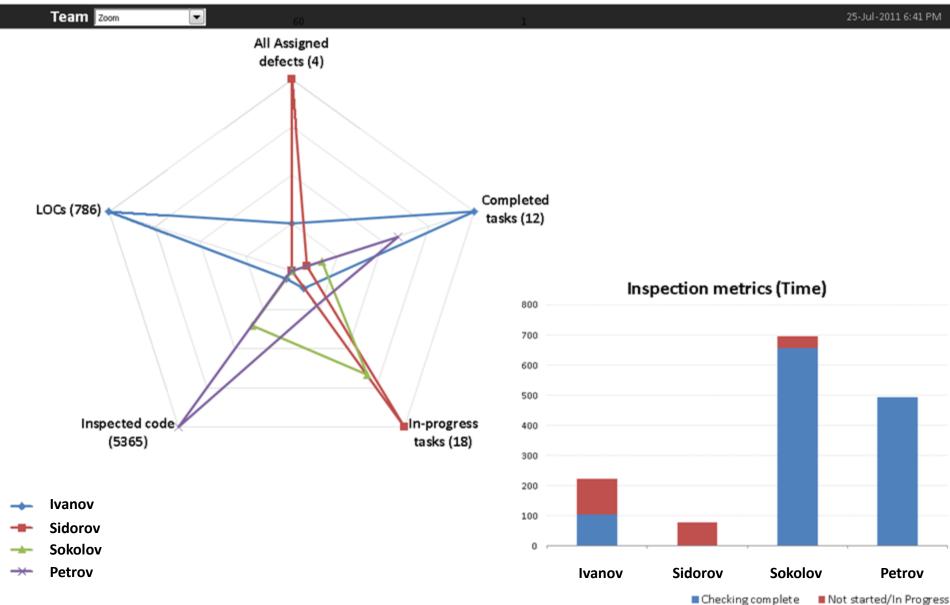


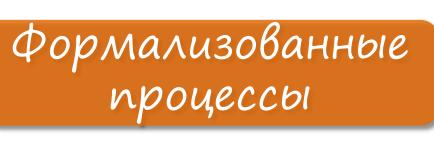




Refresh







Группа «специально обученных» людей

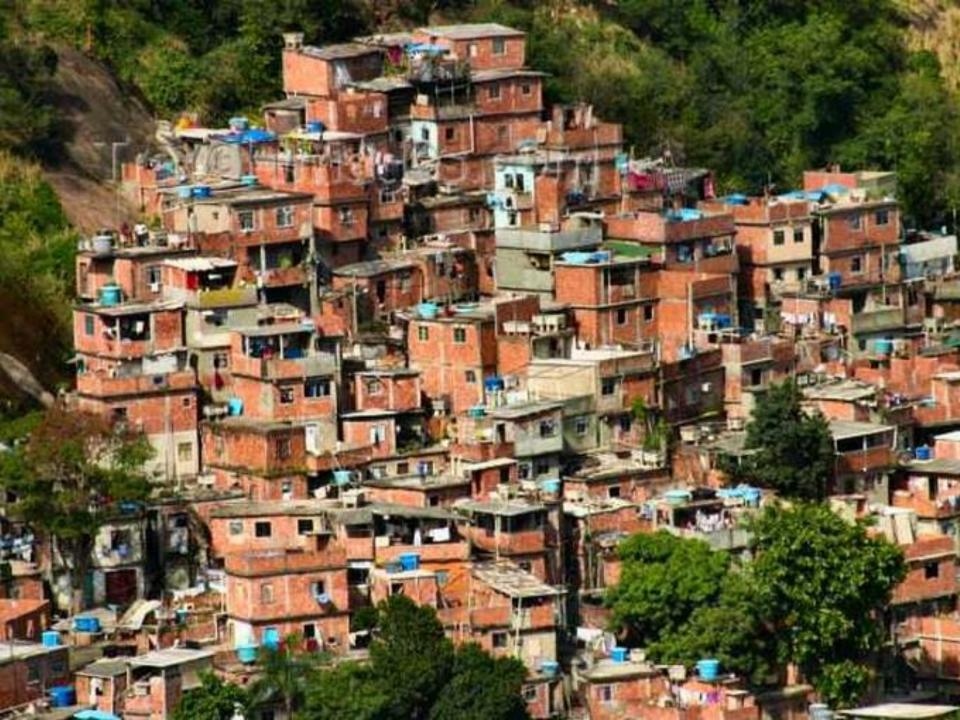
Тренинги





"Специально обученные" люди







PM

RD



Успешный проект

Продуктивный офис

TL

SO

Users

Эффективная команда

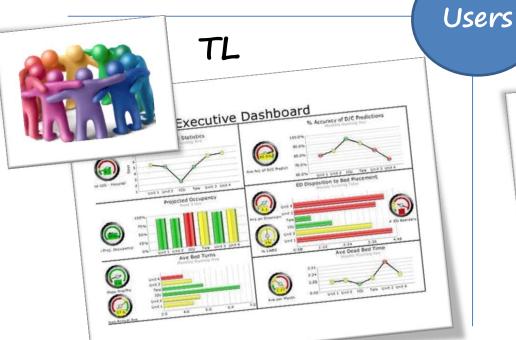


Стабильная система

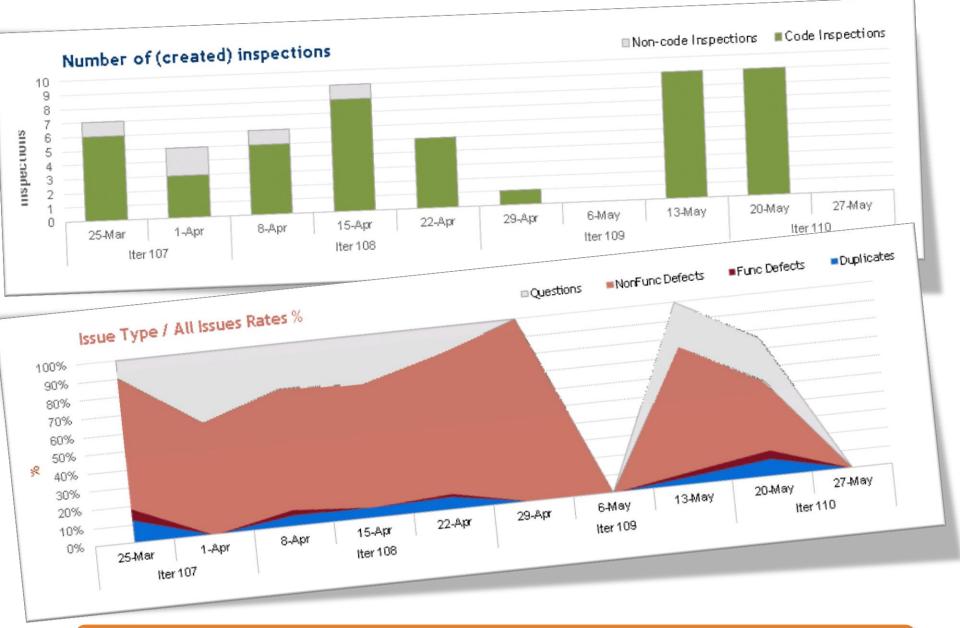












Простые и понятные названия





Синхронизизация дашбордов!

Team Dashboard Developer Dashboard

Maintenance Dashboard Project Dashboard





Дашборды должны быть Up to Date с процессами.





Плотность

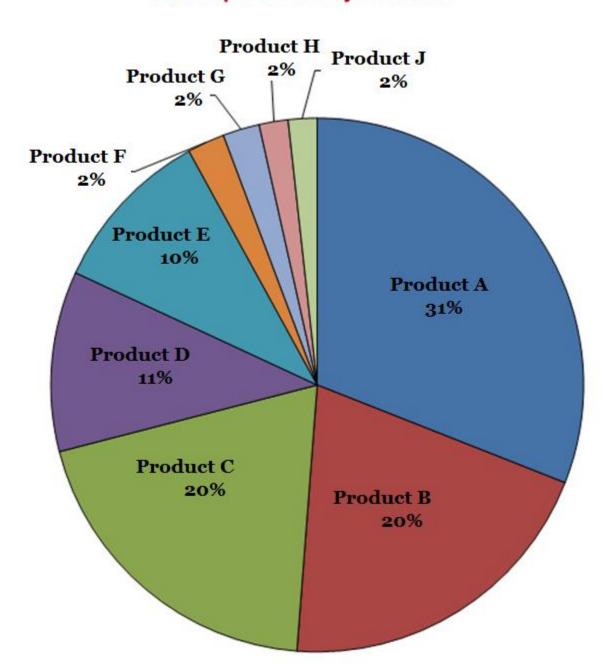
3 дефекта на 1000 строк

Скорость

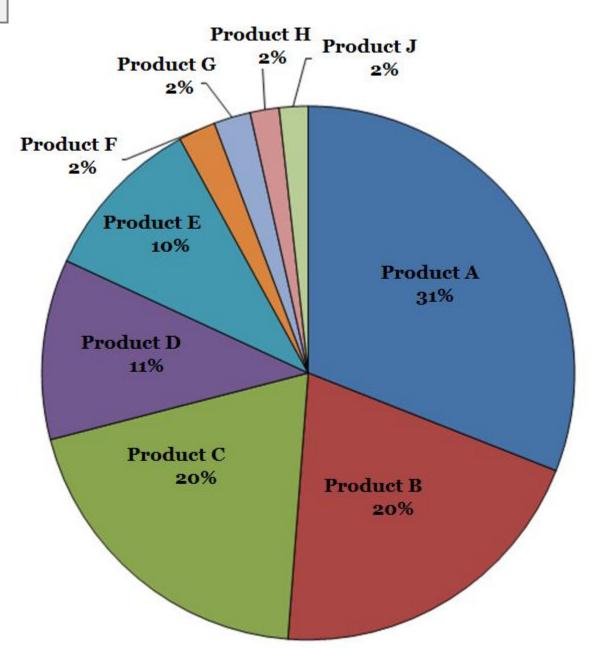
350 строк кода в час



Developer Effort by Product



Developer Effort by Product



start date of the period: 27.05.2013 next after the end date of the period: 08.06.2013

Count of Items: 2252

Activity ID ▽	Activity Type	Project ID ▼	Project	¥	Product	FTE ↓↓
2163468	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,20
2164455	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,20
2162283	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,20
2157750	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,20
2168941	Meeting	57588	Hiring		Non Product Development	0,20
2161754	Meeting	57588	Hiring		Non Product Development	0,20
2157544	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,19
2165324	Code & Unit Test	1885044	Release Management in ALM tool		Non Product Development	0,16
2160016	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,13
2165323	Code & Unit Test	1885044	Release Management in ALM tool		Non Product Development	0,13
2165381	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,13
2163435	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,12
2169203	Meeting	57588	Hiring		Non Product Development	0,10
2168904	Meeting	57588	Hiring		Non Product Development	0,10
2168325	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,10
2168860	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,10
2161439	Management	1993031	DOM Grid Behavior Investigations		Non Product Development	0,09
2164079	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,09
2164658	Meeting	57588	Hiring		Non Product Development	0,09
2166168	Meeting	57588	Hiring		Non Product Development	0,09
2166094	Management	1993031	DOM Grid Behavior Investigations		Non Product Development	0,08
2166311	Code & Unit Test	1885044	Release Management in ALM tool		Non Product Development	0,08
2166954	Meeting	57588	Hiring		Non Product Development	0,08
2162874	Investigation	1993031	DOM Grid Behavior Investigations		Non Product Development	0,08
2165509	Meeting	57588	Hiring		Non Product Development	0,08
2166095	Management	1993031	DOM Grid Behavior Investigations		Non Product Development	0,07
2168861	Management	1993031	DOM Grid Behavior Investigations		Non Product Development	0,06

projec field

Non P

Turnaroundжизненный цикл дефекта

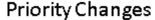
Р1 дефект

52 дня

Возможность посмотреть детальные данные.

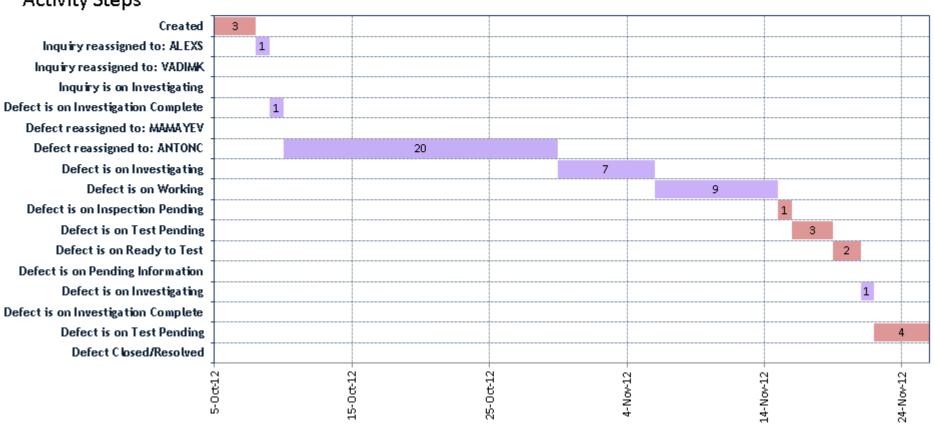
Refresh

DSI: 563414001 Priority: 1-Immediately Developer Turnaround: 39 Whole Turnaround: 52 Current State: Closed/Resolved
Summary: alerts are not reliable





Activity Steps



Parameter	All PD	Office	System	Team
Documentation activity (weeks)	659	56	25	1
Management activity (weeks)	761	104	269	14
Investigation activity (weeks)	7,978	1,390	3,301	230
Other activity (weeks)	5,738	939	1,918	136
Total activity (weeks)	44,583	8,079	16,782	1,113
Injected Defects	14,185	2,703	6,263	438
Inspector LOCs	13,167,511	2,038,295	4,865,294	172,207
Inspector Time for Code Insp	3,578,869	552,867	1,402,401	62,363
Inspector Issues for Code Insp	335,314	53,256	170,709	14,231
Inspector Found Defects for Code Insp	206,976	31,045	108,157	9,394
Author LOCs	6,047,482	978,418	2,308,859	82,124
Author Fdefects for Code Insp	22,911	3,472	9,940	630
Reported Int+Sys Defs	8,799	2,814	3,318	231
Reported Late Defs	8,078	1,092	4,508	294
Reported Sugs	3,906	329	1,596	28
Reported Inqs	1,995	168	658	35
Unknown Defects	3,941	1,323	1,813	308
LOC Productivity (in LOCs/Week/Man)	171	189	169	94
Maintenance Productivity (number of D+S+I completed/Week/Man)	2.08	2.13	2.01	2.00
Injected Genie Defect Density (in #defects/KLOC)		1.77	2.21	4.17

Parameter	All PD	Office	System	Team
Documentation activity (weeks)	659	56	25	1
Management activity (weeks)		104	269	14
Investigation activity (weeks)	7,978	1,390	3,301	230
Other activity (weeks)		939	1,918	136
Total activity (weeks)	44,583			1,113
Injected Defects		on-Code Insp	ections	438
Inspector Local Code Inspections				72,207
Ins Unclosed inspection				62,363
Ins & 6				14,231
Insi 4 Aut 2 Aut 2 3.Sep. 9-Sep 16-Sep 23-S	sen 30-Ser	7-Oct	14-Oct	9,394
Aut 2 2 23-S	Sep 30-304 Iter 144	P 1		2,124
Autl 0 12-Aug 19-Aug 26-Aug	-) ***11	3,472	9,940	630
Repo	8,799	2,814	3,318	231
Reported Late Defs	8,078	1,092	4,508	294
Reported Sugs	3,906	329	1,596	28
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Unknown Defects	3,941	1,323	1,813	308
LOC Productivity (in LOCs/Week/Man)	171	189	169	94
Maintenance Productivity (number of D+S+I completed/Week/Man)	2.08	2.13	2.01	2.00
Injected Genie Defect Density (in #defects/KLOC)	1.86	1.77	2.21	4.17

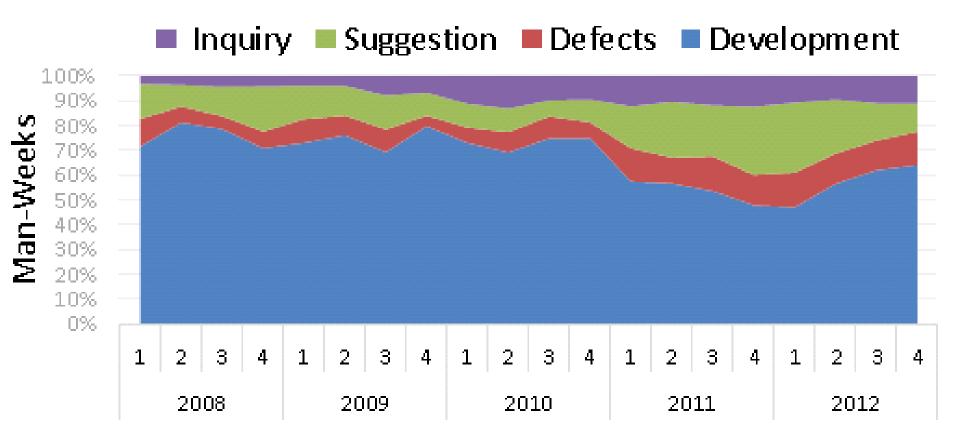
15 000 инспекций

9 000 дефектов

Defect - баг, проблема

Inquiry - Bonpoc

Suggestion – улучшения



Development vs Maintenance

Формализованные процессы

Система сбора

Мотивация разработчиков

Дашборды

Формализованные процессы

Система

Дашборды

Формализованные процессы

Система сбора

Мотивация разработчиков

Дашборды

9th Central and Eastern European Software Engineering Conference in Russia - CEE-SECR 2013

October 23 - 25, Moscow



Cnacubo

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CQG