

www.immobilienscout24.de



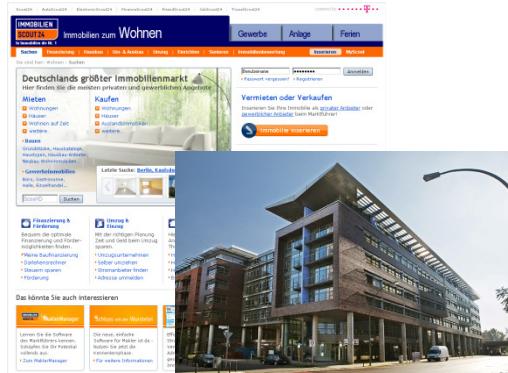
Agile Refactoring @ IS24

gearconf

Düsseldorf | 11.10.2010 | André Neubauer & Oliver Schmitz-Hennemann

I'm André Neubauer, find me at...

andre.neubauer@...



devpg.com



Cross-Platform-Development for Mobile Devices – An Introduction to Titanium Mobile
03/01/10
For the last time I’m working on topics related to the development for mobile devices. Titanium Mobile impressed me that much, that I would like to give an introduction to it. It is a cross-platform application framework for mobile devices, which runs smoothly on Android and iPhone OS. It provides a high-level API, which covers the main features of both platforms. The main idea is to provide a native-like user experience on both platforms. It uses the use of Web technologies such as HTML5, CSS3 and JavaScript. Due to the fact that Android as well as iPhone OS use Webkit as a rendering engine for web pages, this seems to be feasible.

Notes:
If you are looking for an alternative to our phoneGap, it’s an open-source framework, which also works cross-platform and has lots of nice features (my review). The main difference is that they have a much more strict point of view about the use of platform-specific code. They don’t support any kind of platform-specific support or platform functions. It’s even not available in a stable version (Feature Requests).

To give Titanium Mobile a try I developed a mobile application which uses Google Translate. It have the only one step (including training) and about 300 source lines of code but the application covers:

- access of remote services via HTTP (Google Translate),

twitter.com/devpg

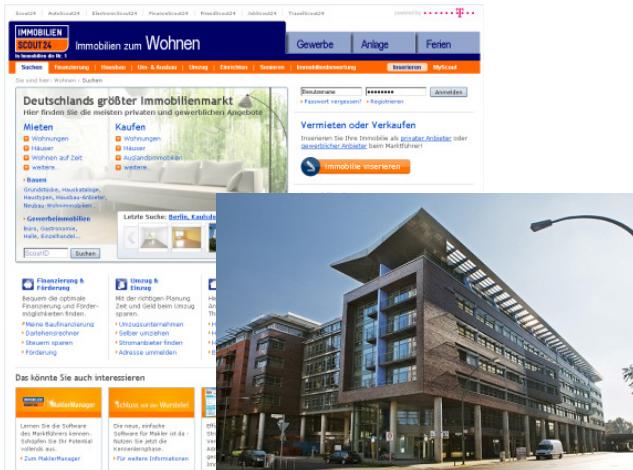


- Team Leader IT Development
- Researcher, Speaker, Author

#web #devops #mobileWeb
#android #ar

I'm **Oliver Schmitz**-Hennemann, find me at...

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twitter.com/OSchmi

A screenshot of Oliver Schmitz's Twitter profile (@OSchmi). The profile picture is a blue square with a white plus sign. The bio reads: "Name: Oliver Schmitz Location: Berlin Bio: IT architecture and software development of web applications". Below the bio, it shows 29 following, 16 followers, and 56 tweets. The timeline contains several tweets from September 2010, including one from Darth Vader (@presentationen) and another from Uncle Bob Martin (@unclebobmartin).

- Head of IT Architecture
- OrgDev, agile evangelist, inconvenient

Warning



A sticky note with the text "Agile ideas ahead" written on it.

Agile
ideas
ahead



Some numbers

500 employees

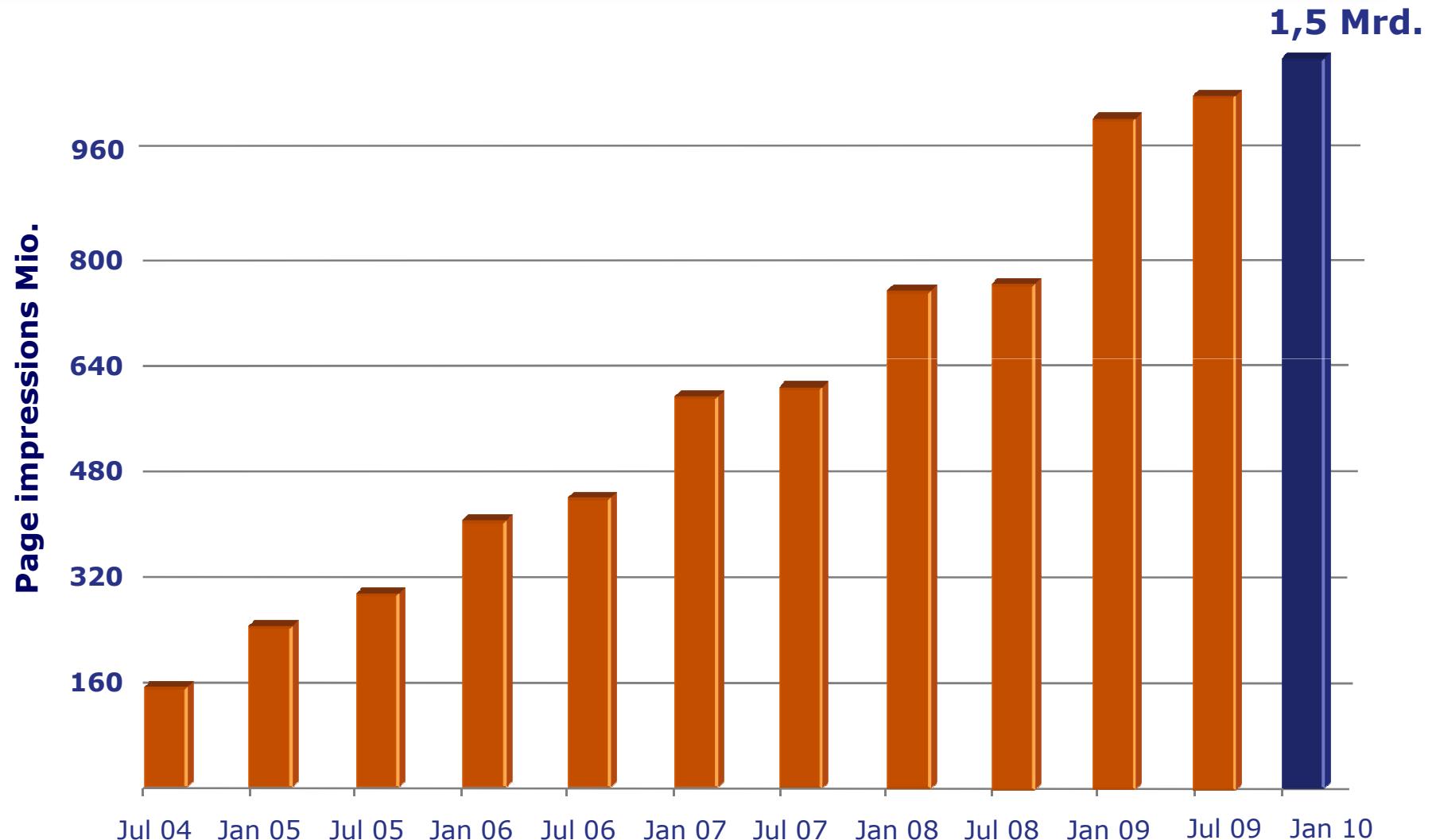
140 IT

67 developer

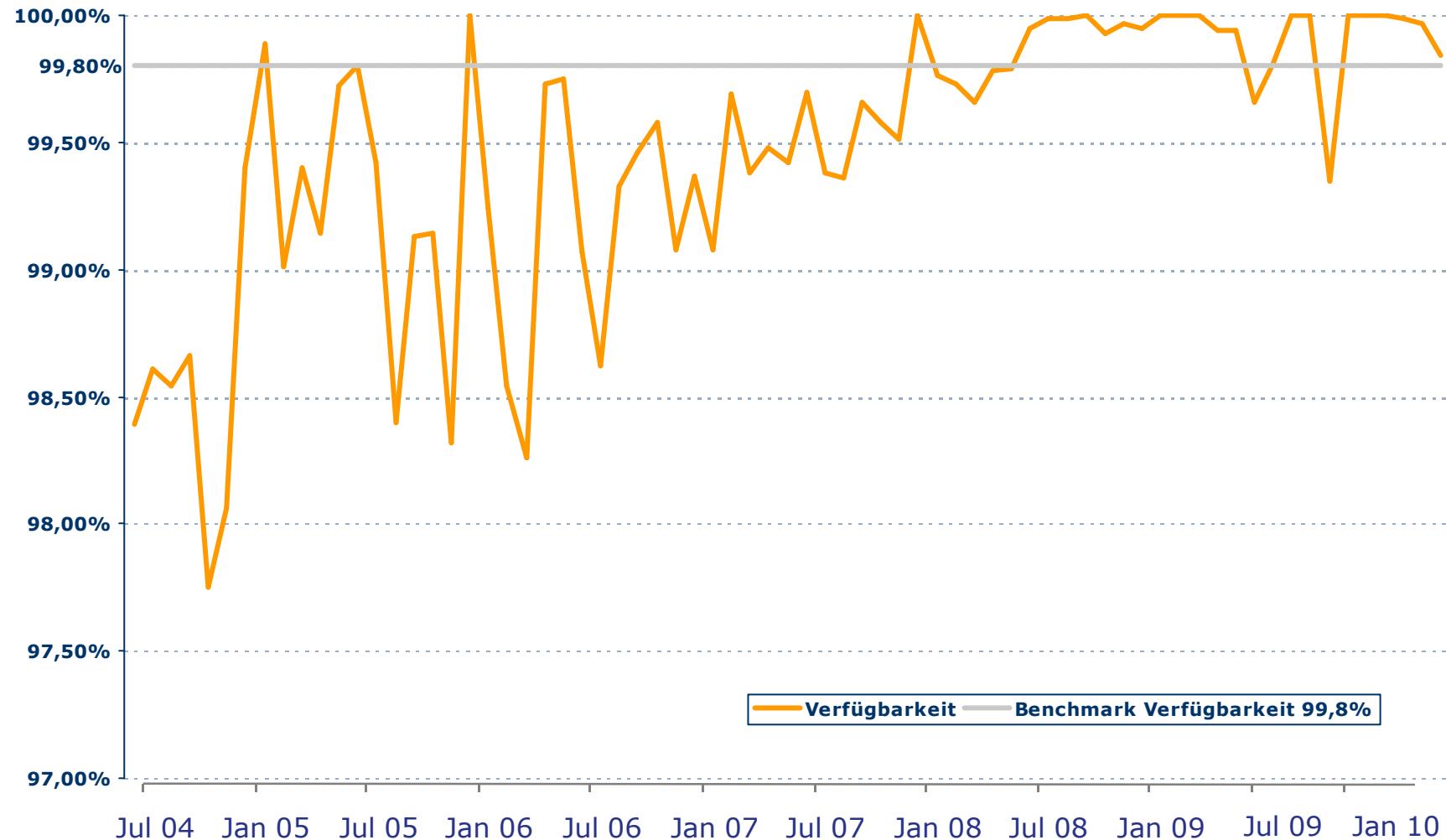
- ➡ > 4,5 Million unique users
- ➡ > 1,5 Billion Page Impressions
- ➡ > 250 Million Expose views
- ➡ ~ 1,2 Million active listings
- ➡ > 120.000 Vendors per month



Page impressions



Availability



Agile refactoring

Epic



Some
history

Story



People
unhappy

To much legacy



Story

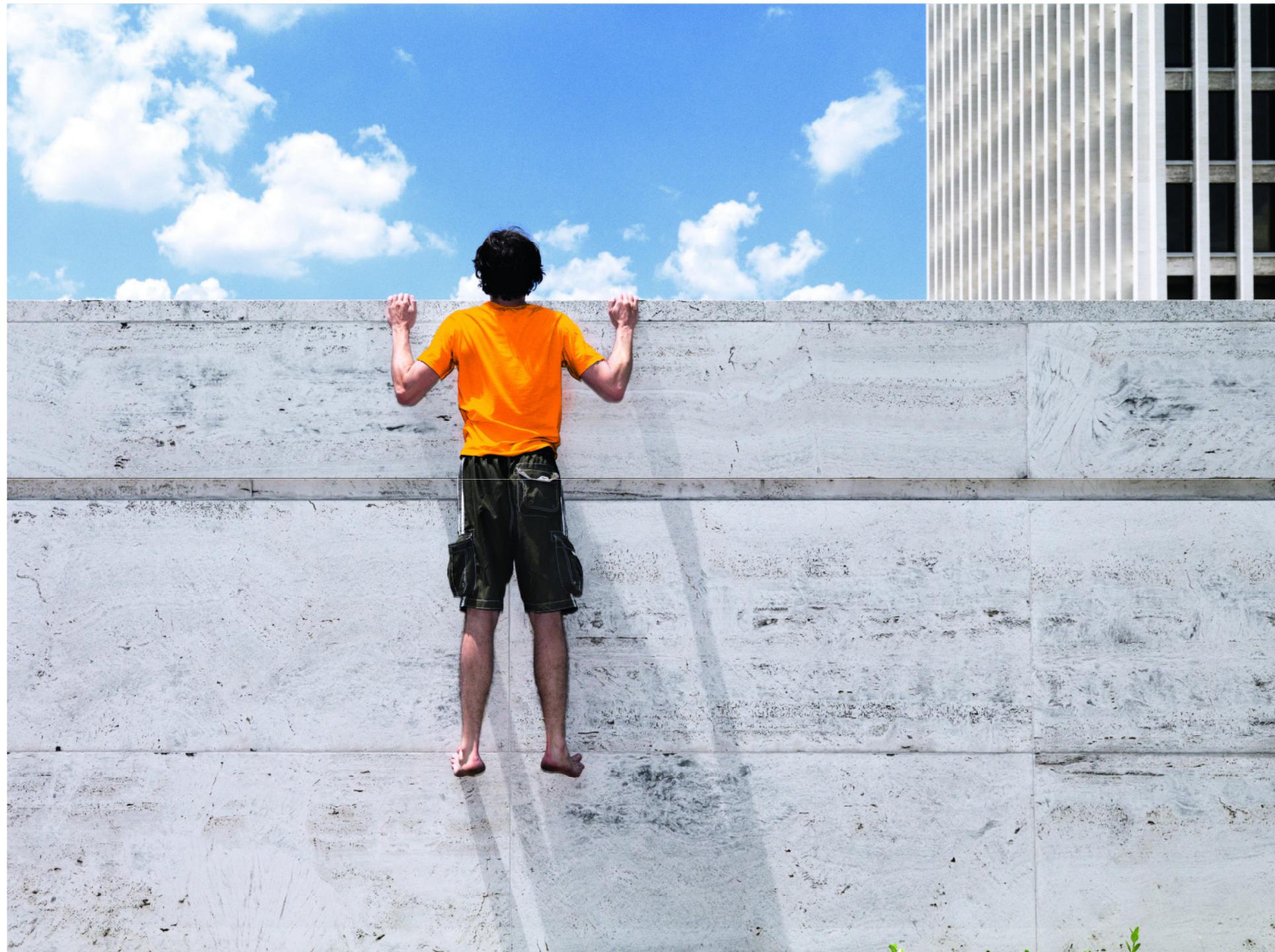


Legacy

Story



ARC
desaster
2007/2008



Lesson learned



No super
goals.
Focus!

Lesson learned



If you get
stuck...
Get help!

Lesson learned



Get
external
help!

Lesson learned



> 2 month
You got
stuck!

Lesson learned



Story



Scrum

2008

Why

Delayed projects

Why

To many topics
per team

Why

Much more
developers

Teams want it
CTO wants it

How

Team by team

How

External help

Lesson learned



Prod up!
Fun up!
Energy!

Lesson learned



Identifies
waste

A lot of impediments

Lesson learned



Epic



Agile
refactoring

Setting

1/3

2 years

Stop the business

Setting

1/3

2 years

Don't stop the business

Solution

Put 33% of dev
into ARC renewal team

Solution

But wait...
...Scrum Masters will kill
you

That's
inconvenient

Epic



Agile
refactoring

Lesson learned



Do it in
the teams

Lesson learned



Spread
Know how





09.07.09 OC

Commitments from

Mgmt. Team

OSI脫S
Zentrum
09/10/10

* There will be 3 of our resources for

IT-2010 Dev ✓
Arch ✓
Op ✓

* Trust our current results ✓ va

* WE DO OUR BEST!

IT-SYS IT-PRO ✓
H&E

Lesson learned



Story



Standards

Some Details

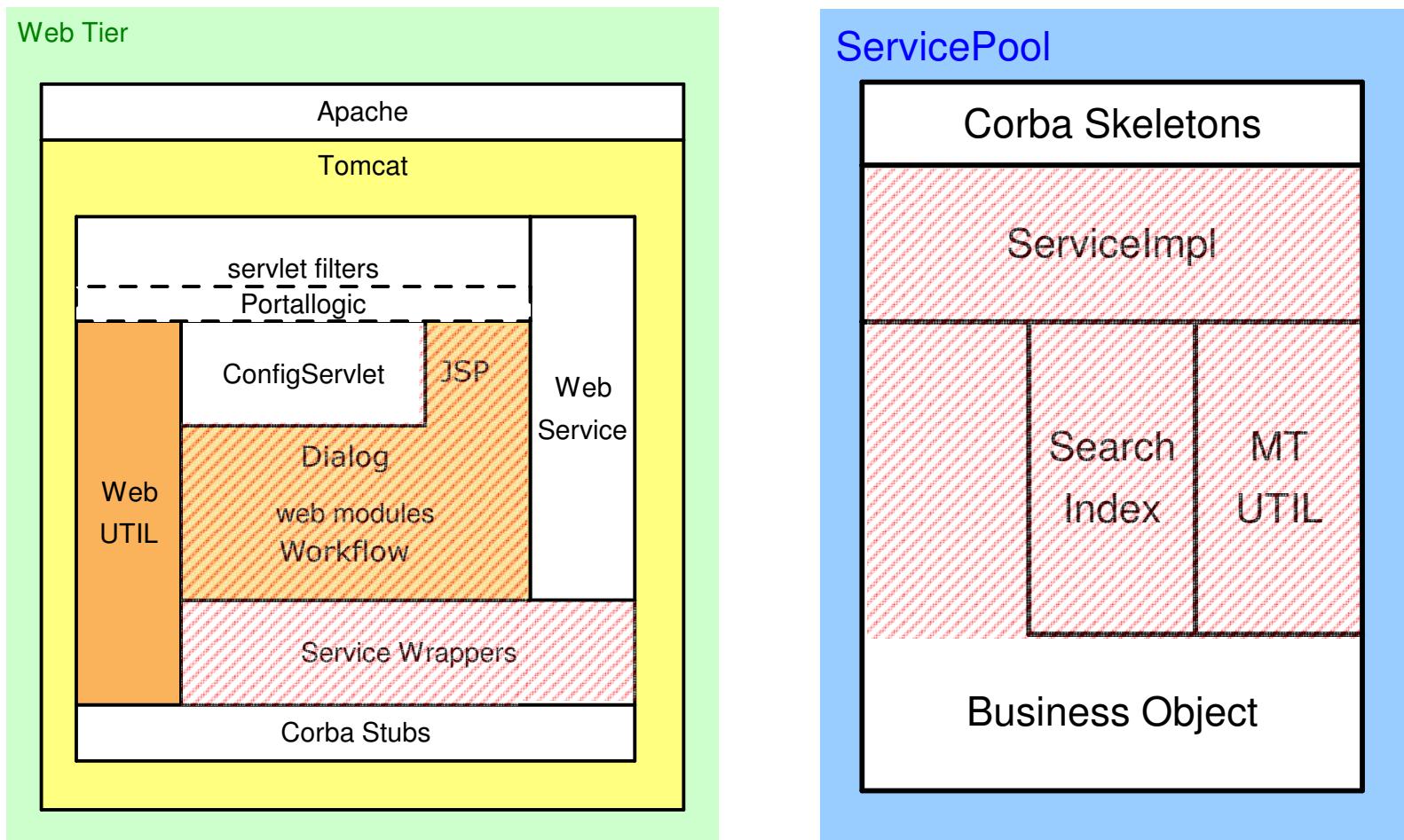
Hibernate/JPA
Springframework
SpringMVC/WebFlow

Task

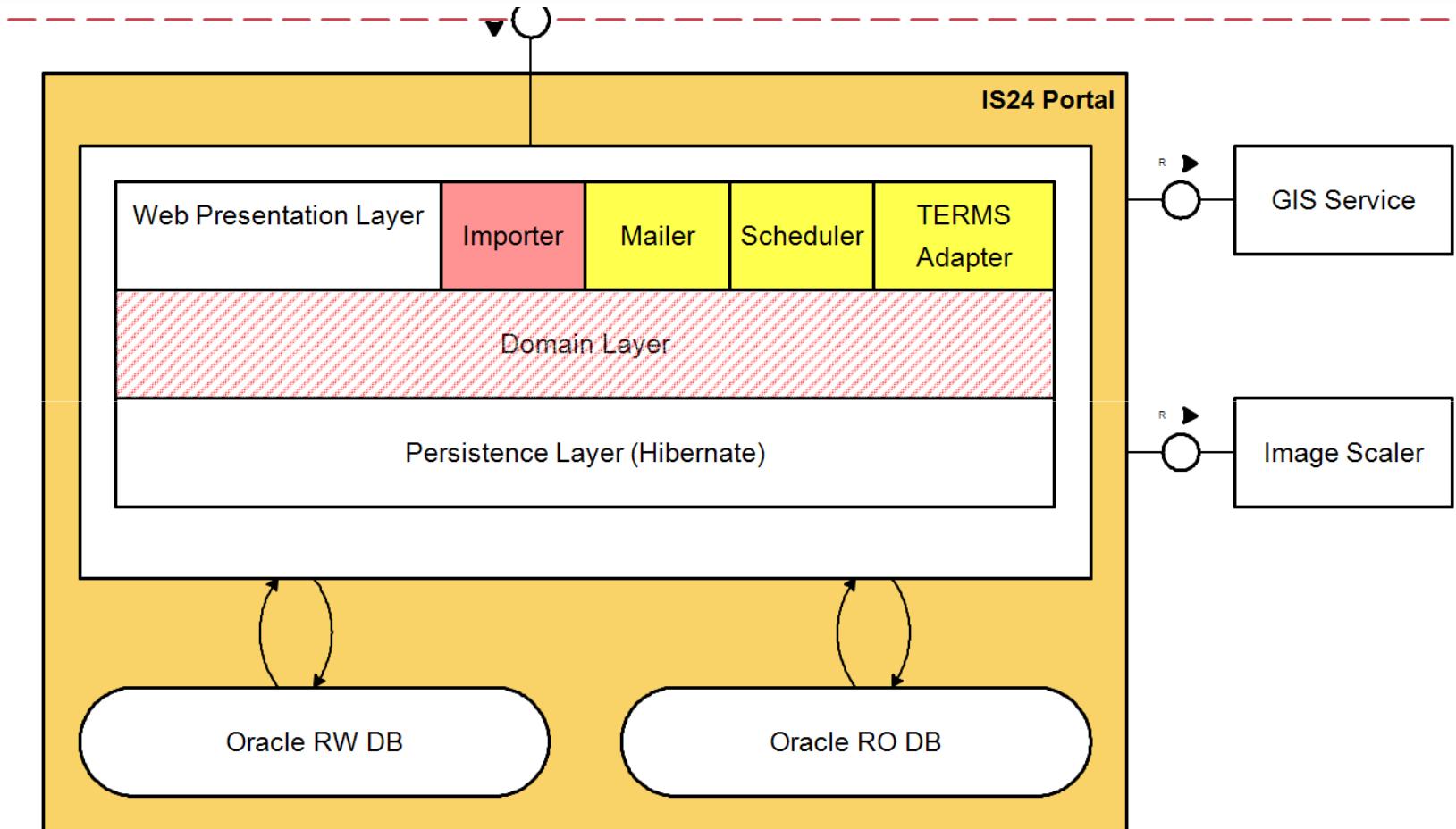


Start with
OODM

Old architecture



Target architecture



Task



Story



SPoC
CPoC
rollout

Lesson learned



Have
switches

Lesson learned



New Features
after
SPoC

Lesson learned



Prod up!
Fun up!
Energy!

Story



ARC
Product Owner

CTO needs control

CTO needs someone to ask?

CTO needs
Someone to hang!

Task



Coordinate
Teams &
POs

Lesson learned



Fight
for
1/3

OODM
34 epics

OODM 340 Stories

Lesson learned



Have
Mr. Pareto
in the team

Lesson learned



Trust in
stack

Lesson learned



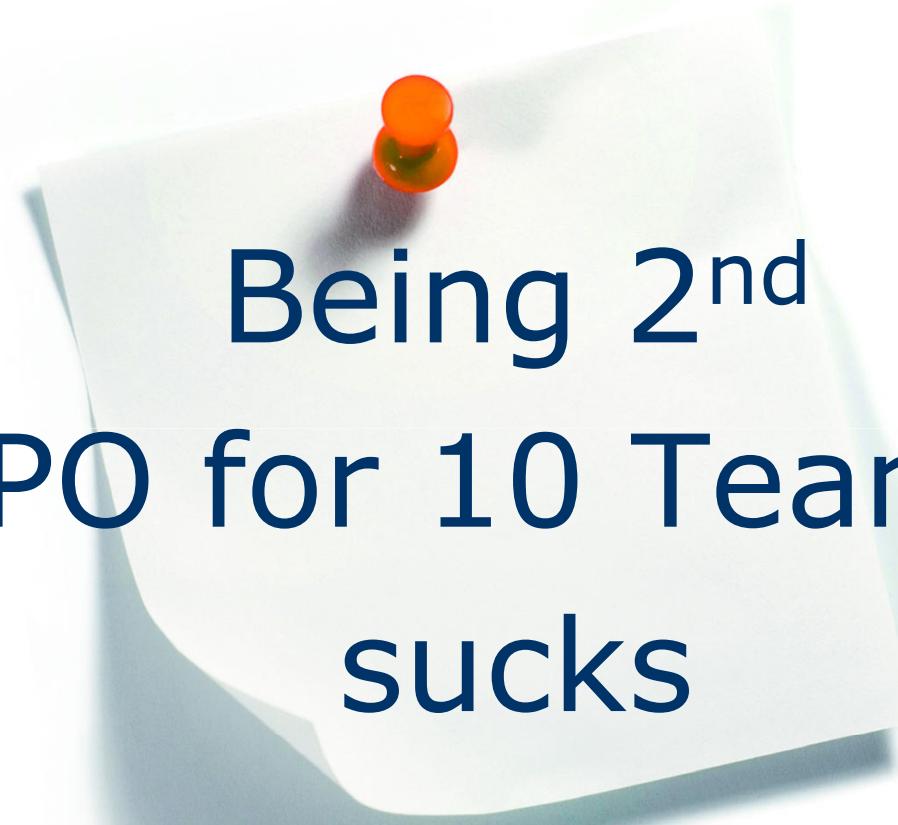
No more
big things

OODM Cockpit “Über den Berg”

gelb: wir brauchen ARC-Stories (Stand 04.06.2010)

Platform	Authentication Account & API	Authorization (Priv. & Roles)	Customer → OC1? Sonst Gerald SPC	<i>ShoppingCart</i>	Multimedia	GIS Geocoding Hierarchy → DEV2 sieht Probleme	Addresses → DEV2/API
Offer	Realtor Impressum Profile	Real estates → SM2.0 ✓ → OC1?!?	Angebots- & Exposé-Manager	Focus Placement Toplisting	Vendor Reporting <i>Umstellung auf online reporting DB ist IT2010</i>	TKM	VÖ / Kanäle
Search	Expose → PMI hat Interesse an Einführung von Expose 3.5 für alle Typen	Search	Shortlist	Saved search	Fulfillment		
BUs	Leads <i>Im alten Stack, wird vom PM migriert/neu geschrieben</i>	Financing <i>Im alten Stack, wird vom PM migriert/neu geschrieben</i>	Valuation	Relocation	Allianz	KSC Guideline machen und Team fragen	
Misc.	Data Events Caching	ESB	Audit Trail	Importer WTH? 	Mailer	Scheduler & Jobs	

Lesson learned



Being 2nd
PO for 10 Teams
sucks

Lesson learned



Not for
ARC
but 4 you



Lesson learned



Never
again

Story



What
was wrong

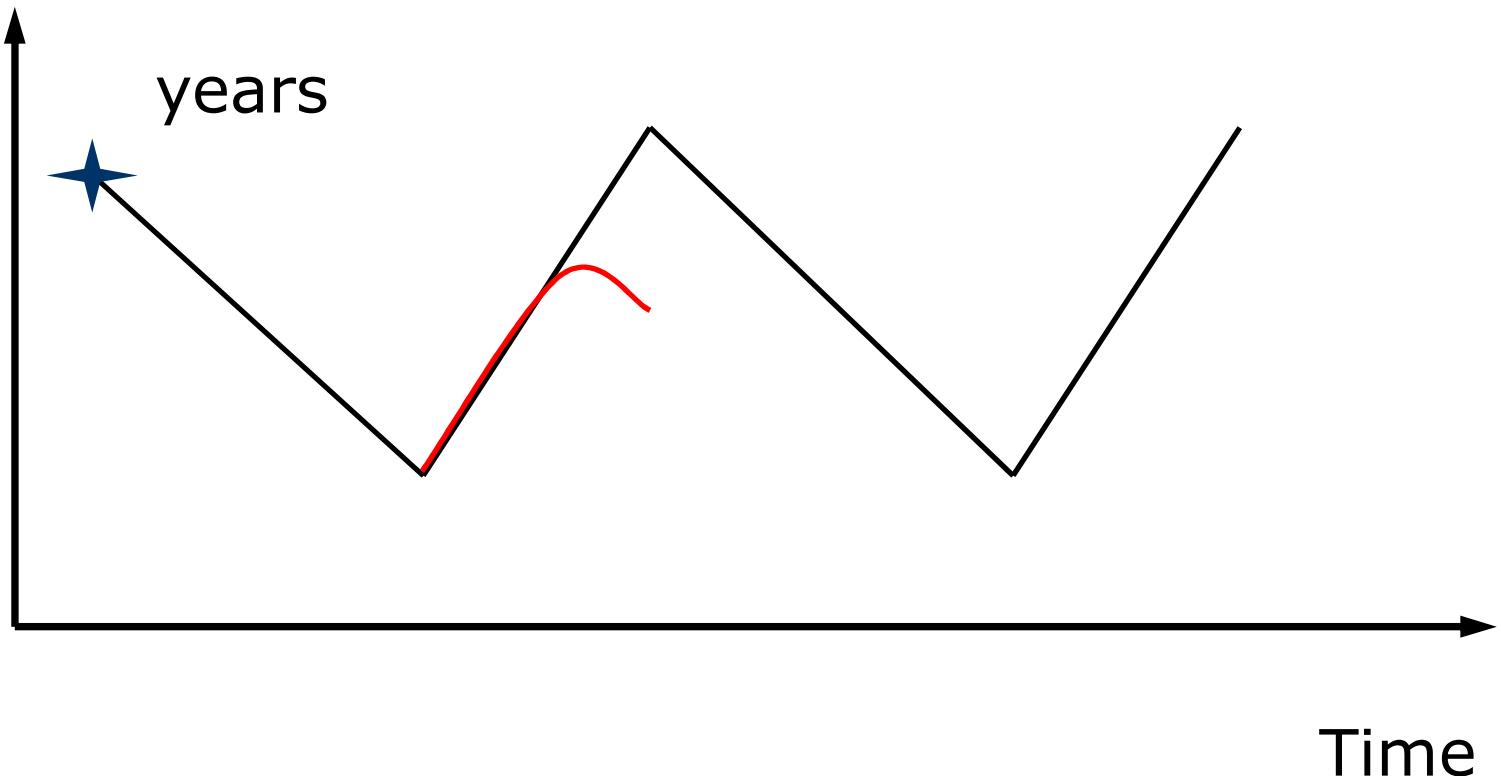
Lesson learned



IT/ARC
Projects
are bad

Project cycle

Code Quality
Speed
Fun

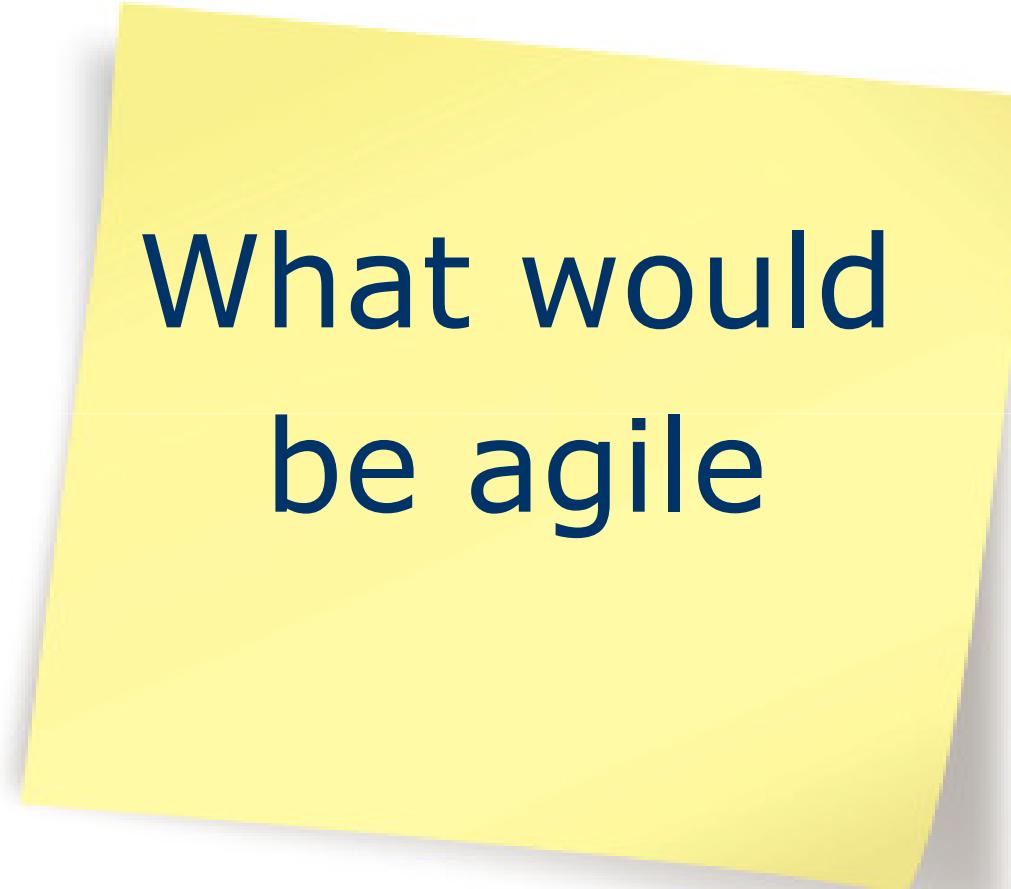


Story



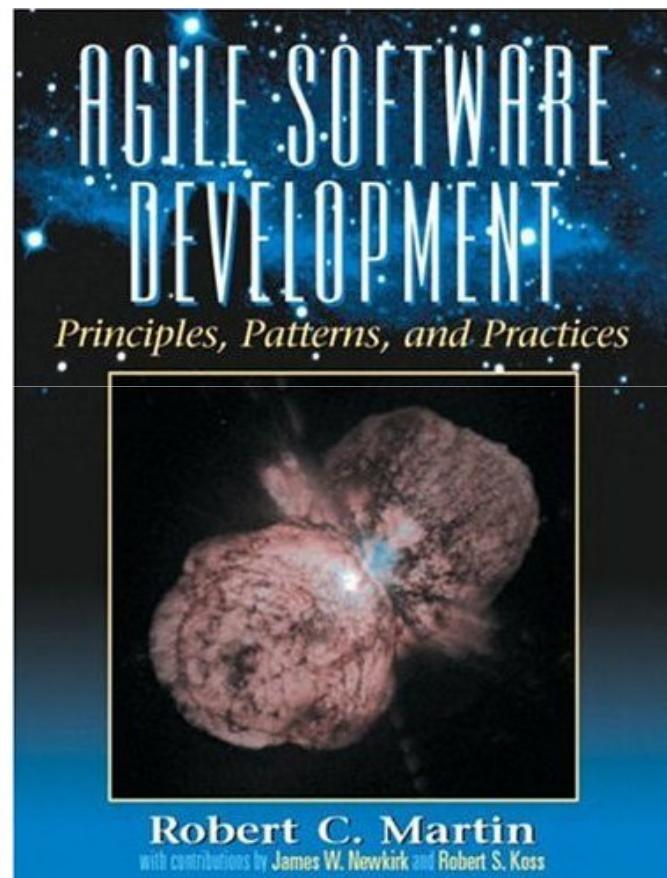
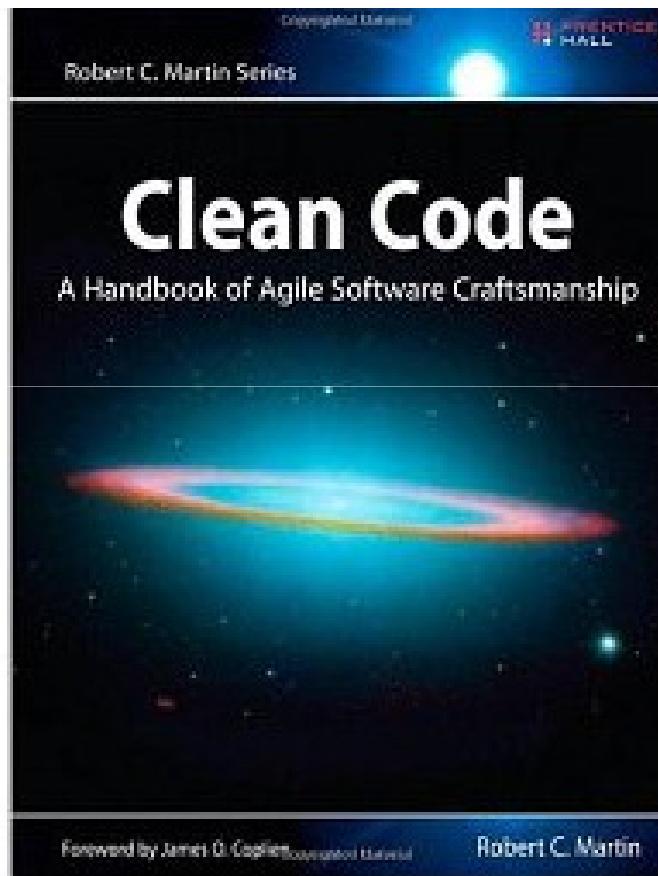
make it
better

Task



What would
be agile

Read some books



Lesson learned



Lesson learned

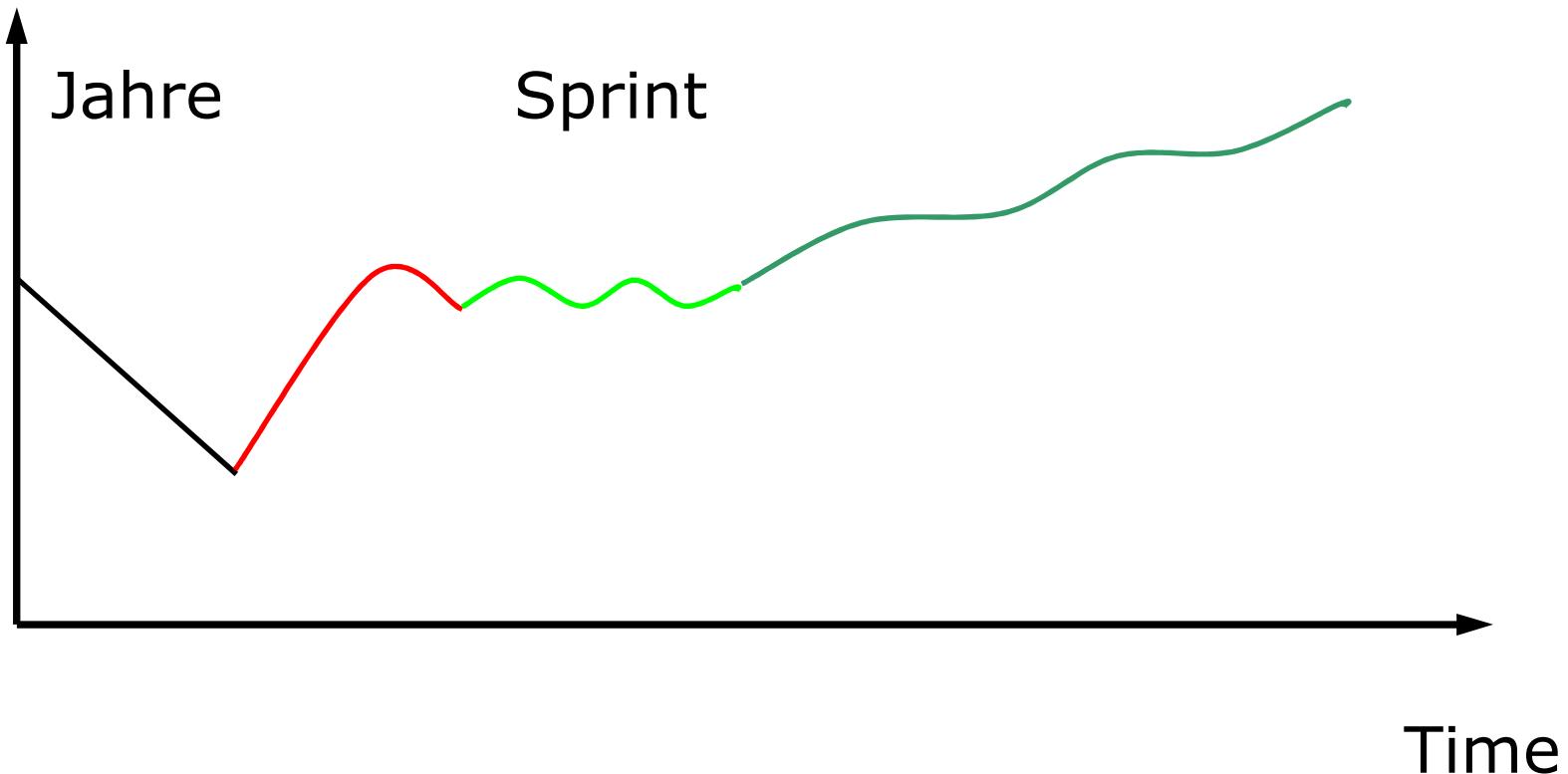


Scout
principle

Lesson learned



Code Quality
Speed
Fun



Task



How to
reach it?

Lesson learned



Fix what
hurts most

Lesson learned

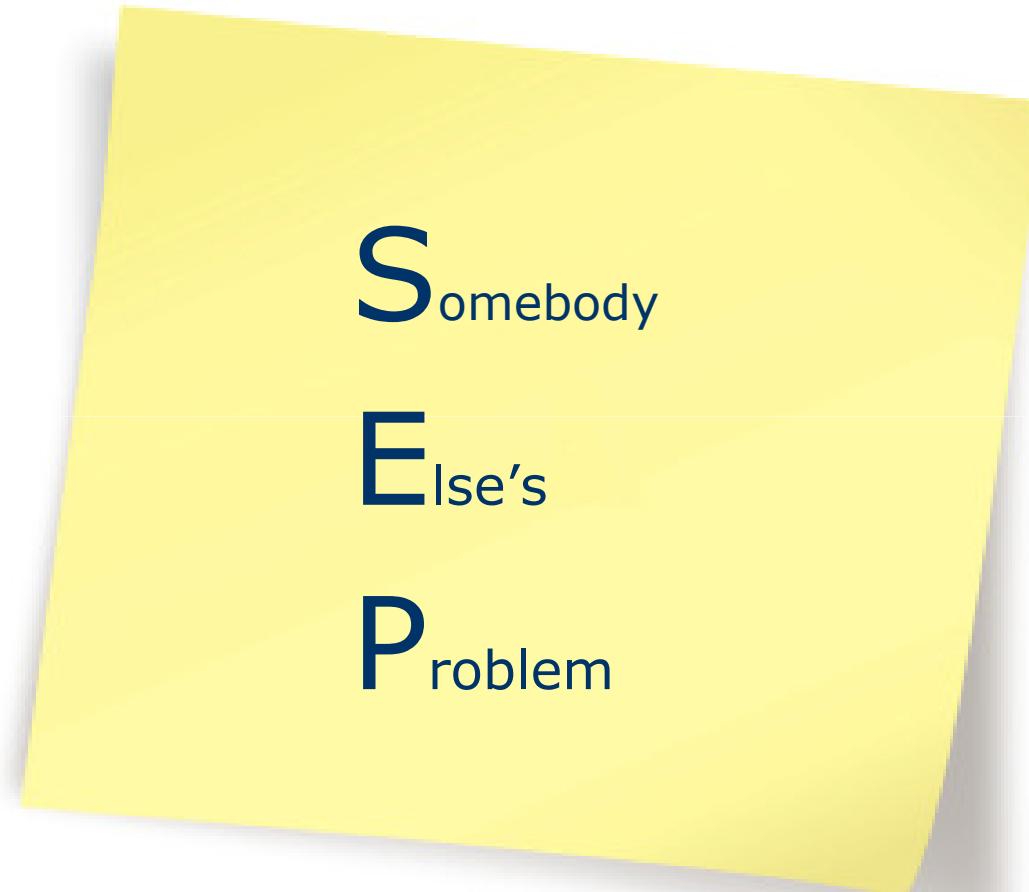


Let people
decide

Sounds simple

But wait
a minute

Task



Lesson learned



responsibility
requires
power

Build environment

Lesson learned



Get rid
of silos

Lesson learned



With great power
comes great
responsibility

Lesson learned



Give trust
and help



Task



Greenfield
more
Efficient?

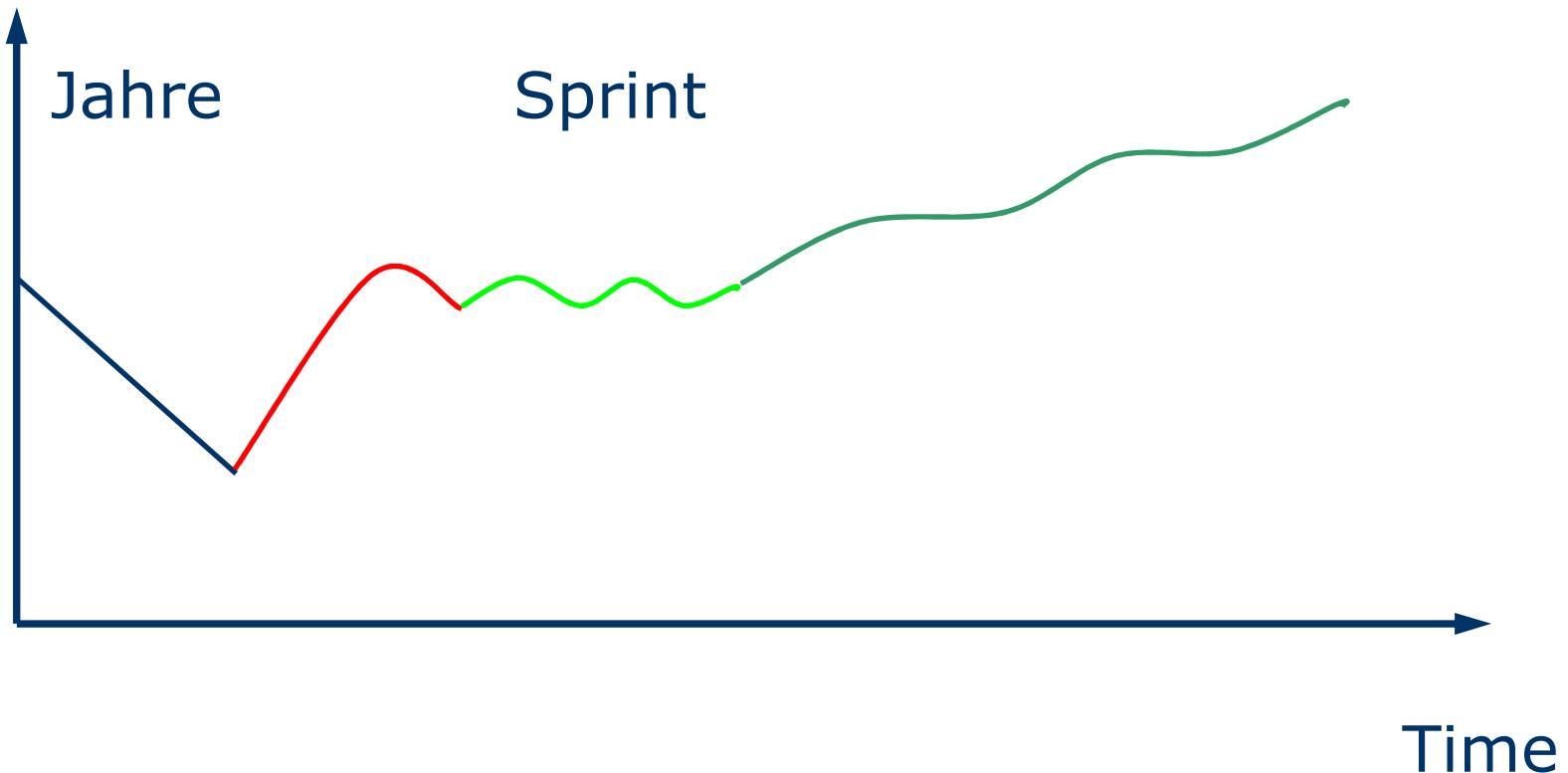
But...

Lesson learned



We changed
our mindset

Code Quality
Speed
Fun



Lesson learned



The End



People
Happy!

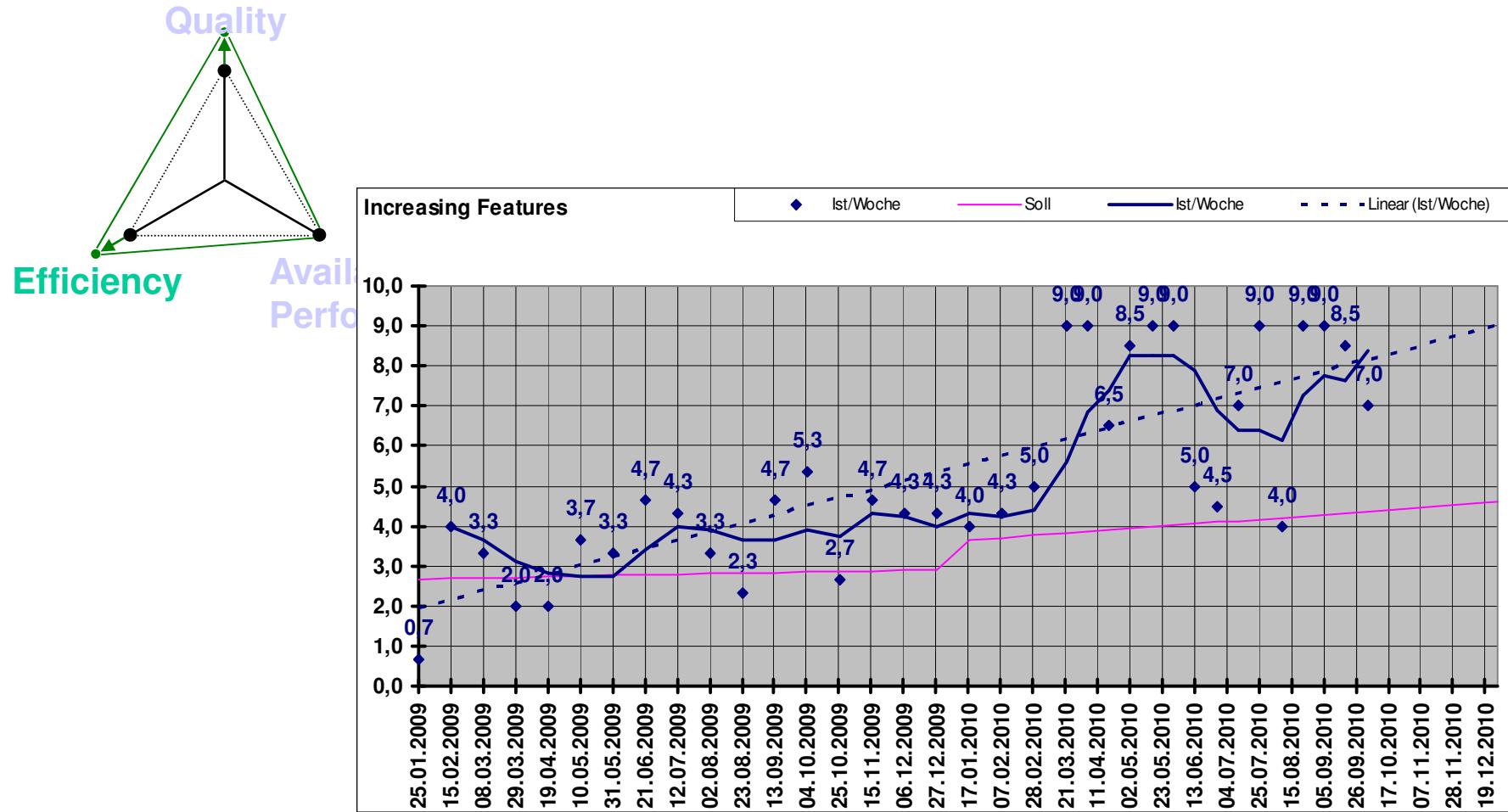
What's next

Build 2010
Continuous deployment
DevOps?

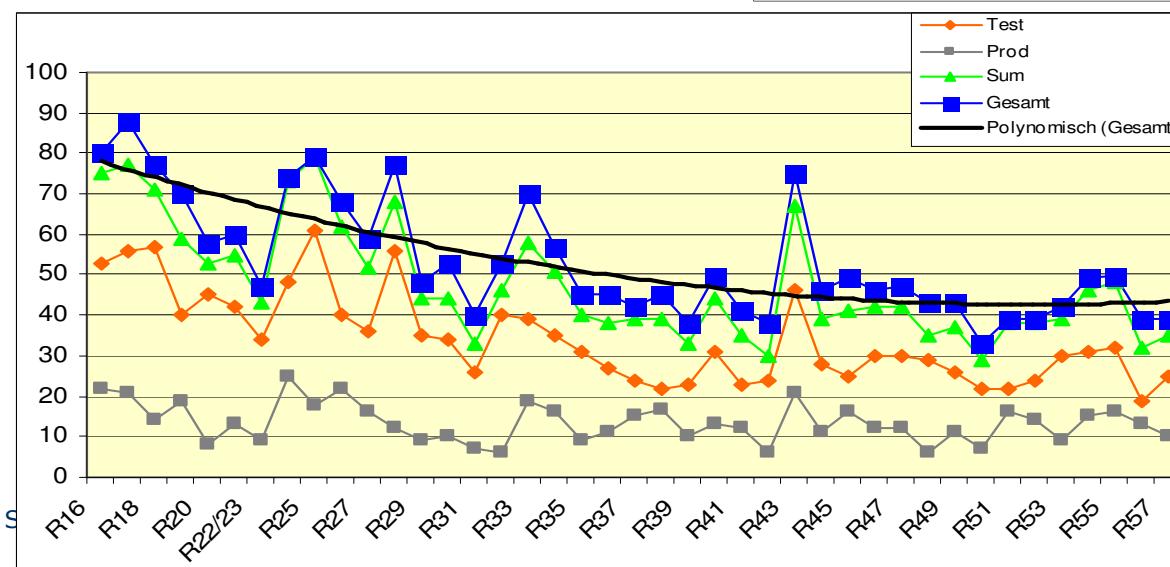
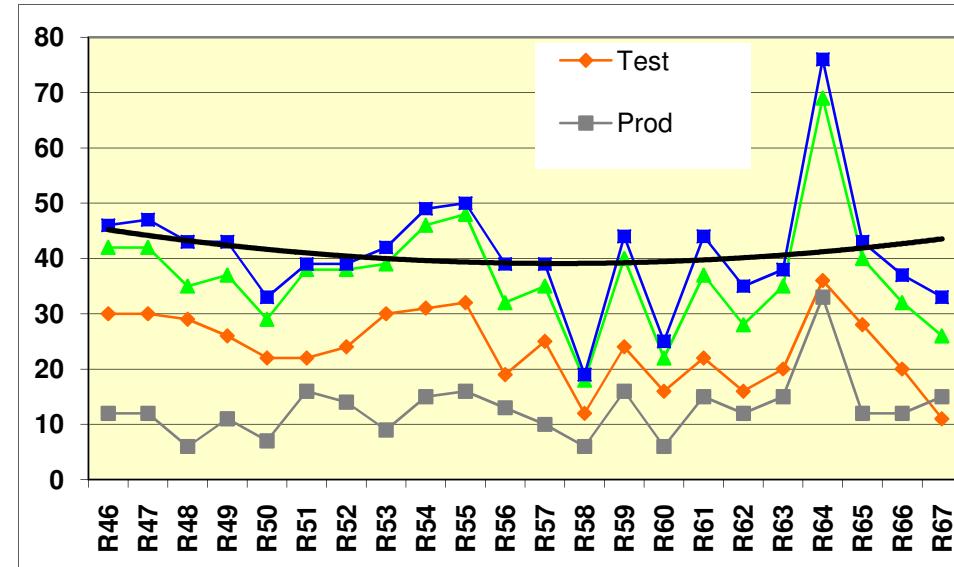
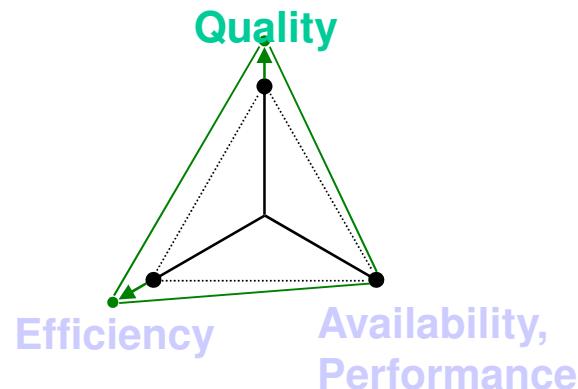
Thanks



IT2010 – Increasing Features



IT2010 – Improved Quality



Ressources

<http://agilemanifesto.org/>

<http://agilemanifesto.org/principles.html>

<http://www.amazon.de/Clean-Code-Handbook-Software-Craftsmanship/dp/0132350882>

<http://www.amazon.de/Working-Effectively-Legacy-Robert-Martin/dp/0131177052>

<http://www.amazon.de/Software-Development-Principles-Patterns-Practices/dp/0135974445>