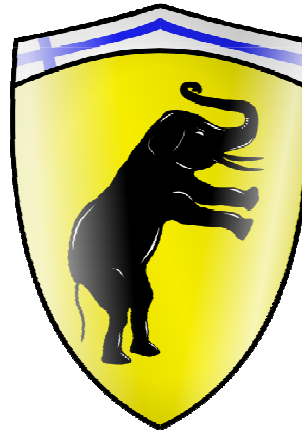


Agilefant:

Open Source Tool Support for Managing an Agile Development Portfolio



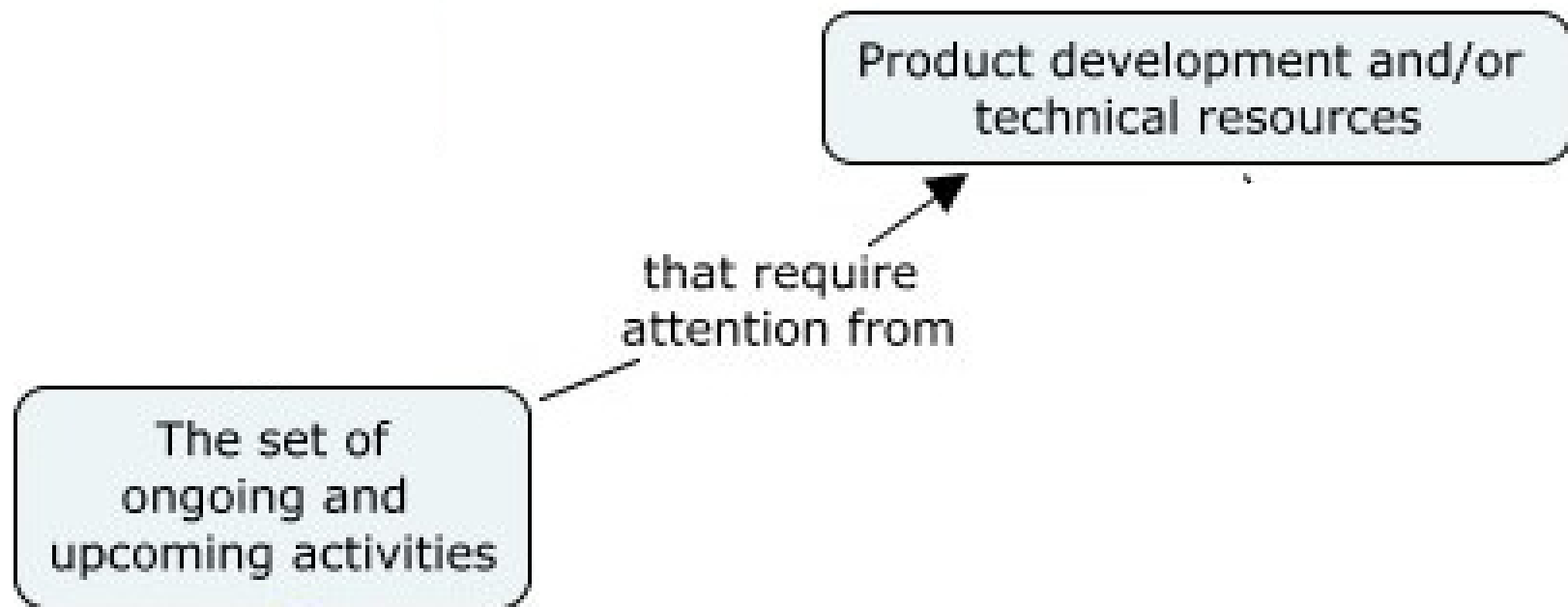
Lic. Tech. Jarno Vähäniitty
The ATMAN Research Project
Software Process Research Group
Aalto University



Agenda

- What is the "development portfolio"?
- What is Agilefant and what does it do?
- Who have adopted Agilefant?
- Questions and Comments

What is the "Development Portfolio"?



An example:

#1: Agilefant 2.0
(major release)

1.0

#2: HyperCalendar
(minor release)

1.0

#3: Solving a
problem at
customer A



*In
sales:*

Delivery for
customer C



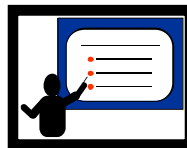
#4: Agilefant
Roadmapping
support for
Customer B



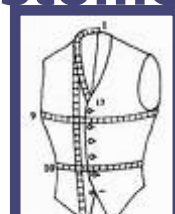
**Development
portfolio**



#6: Training at
customer B



Advanced user
mgmt for
Customer C



#7: 2 lectures at
the University
(upcoming)

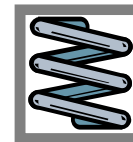


(None ongoing)



*On hold, inactive
or waiting for
launch:*

GUI facelift

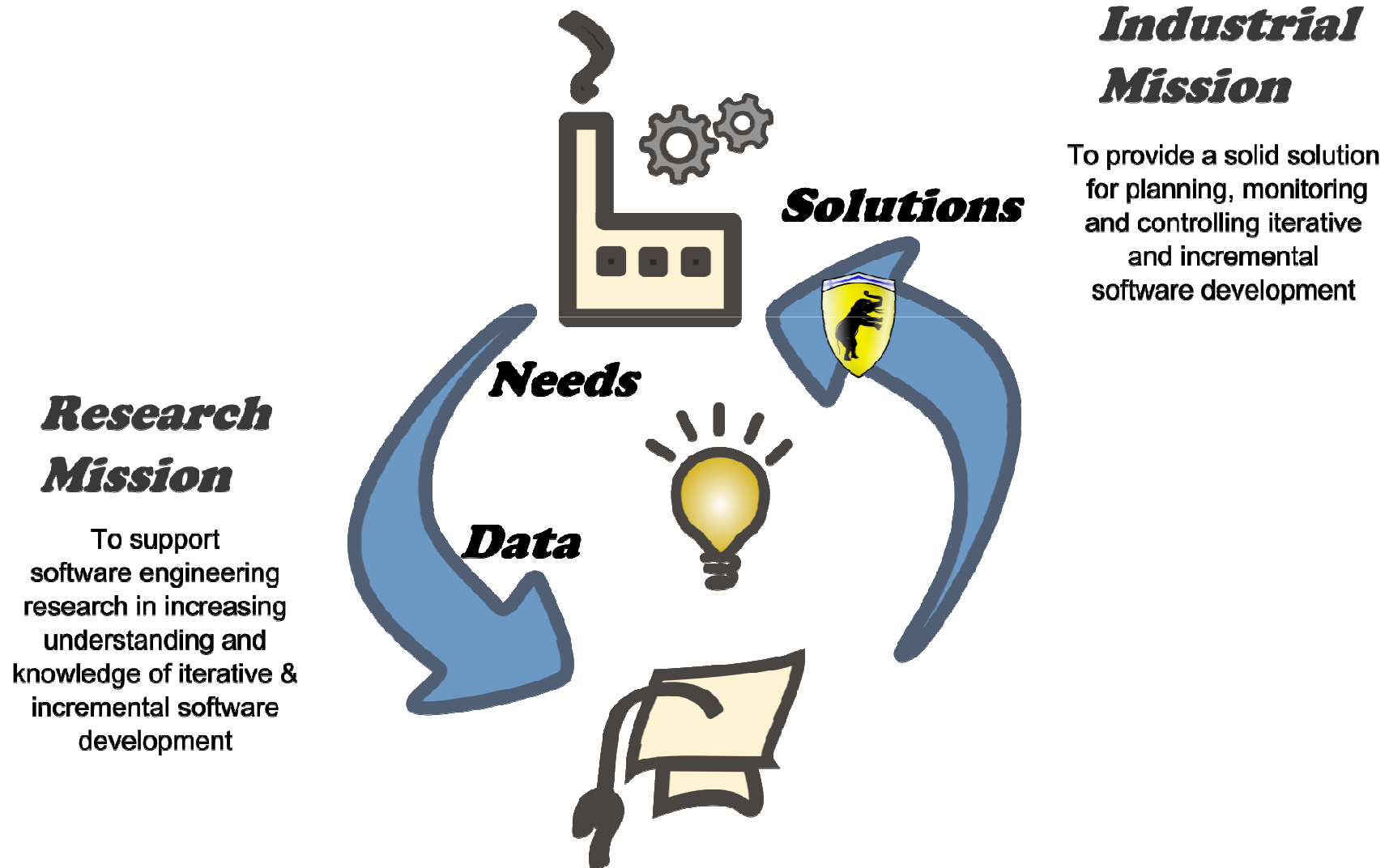


Warranty repairs
for customer B



Vision

**Agilefant Establishes a symbiotic relationship
between industry and research**





10+ publications

- Vähäniitty, Lassenius, Rautiainen & Pekkanen: Long-term Planning of Development Efforts by Roadmapping - a Model and Experiences from a Small Software Company ([PDF](#), [presentation slides](#)). In the proceedings of [Euromicro 2009 Software Engineering and Advanced Applications](#) (SEAA)
- Vähäniitty, Rautiainen & Lassenius: [Small Software Organizations Need Explicit Portfolio Management](#). Revised draft; forthcoming in [IBM journal of Research and Development](#), Special Issue on Creating Business Value through Software Development, Fall 2009
- Lehtola, Kauppinen, Vähäniitty & Komssi: [Linking business and requirements engineering: is solution planning a missing activity in software product companies?](#) Requirements engineering journal, Special issue RE'07 best papers, Volume 14, Number 2 / June, Springer-Verlag 2009
- Lehto, Ilkka and Kristian Rautiainen. Software Development Governance Challenges of a Middle-Sized Company in Agile Transition. In Proceedings of Software Development Governance Workshop, May 2009.
- Vähäniitty & Rautiainen: [Towards a Conceptual Framework and Tool Support for Linking Long-term Product and Business Planning with Agile Software Development](#). [International Workshop on Software Development Governance](#) (SDG2008)
- Raatikainen, Mikko, Kristian Rautiainen, Varvana Mylläriemi and Tomi Männistö. Integrating Product Family Modeling with Development Management in Agile Methods. In Proceedings of Software Development Governance Workshop, May 2008.
- Lehtola, L. & Kauppinen M. & Vähäniitty, J. "[Strengthening the link from business decisions to requirements engineering: Long-term product planning in software product companies](#)". Proceedings of the 15th IEEE International Requirements Engineering Conference (RE'07), New Delhi, India, Oct 2007
- Vähäniitty, J. "[A Tentative Framework for Connecting Long-Term Business and Product Planning with Iterative & Incremental Software Product Development](#)". In proceedings of the [7th International Workshop on Economic-Driven Software Engineering Research](#) (EDSER-7) at ICSE 2005, St. Louis, USA, 2005
- Vähäniitty, J & Rautiainen, K. "[Towards an Approach for Development Portfolio Management in Small Product-Oriented Software Companies](#)". In proceedings of Hawaii International Conference on System Sciences (HICSS-38), Jan 2005. ([presentation slides](#))
- "Pacing Software Product Development: A Framework and Practical Implementation Guidelines". eds. Rautiainen, K., and C. Lassenius. Helsinki University of Technology Software Business and Engineering Institute Technical Reports 3, pp. 23-49. Helsinki, 2004 ([electronic edition](#) of the book published 9/2006)
- Vähäniitty, J. "[Key Decisions in Strategic New Product Development for Small Software Product Businesses](#)". EUROMICRO 2003, Software Process and Product Improvement Track / Software Engineering in Small and Very Small Enterprises, Antalya, Turkey, 2003.



What does Agilefant do?

- Iteration management
- Release management
- Project portfolio management
- Daily work
- Timesheets

**Let's take a brief
look at each**



Agilefant

Daily Work

Backlogs

Timesheets

Administration

Iteration management

Stats

Name: Daytona GTI 1
Start Date: 2009-09-01 08:00
End Date: 2009-10-02 16:00
Planned Size: 0h
Baseline load: 0.5h
Description:



Effort left: 3h
Original estimate: 72h 15min
Story points: 51
Spent effort: 4h 30min
Velocity: 1h 49min / day
Stories done: 100% (9 / 9)
Tasks done: 95% (42 / 44)

Stories

Tasks

Stories

#	Name	Points	State	Responsibles	EL	OE	ES	Edit
▶	[TECH] Focus issues on autoreload	4	Done	Pasi				Edit
▼	Removing backlogs	1	Done	Reko				Edit

Tasks

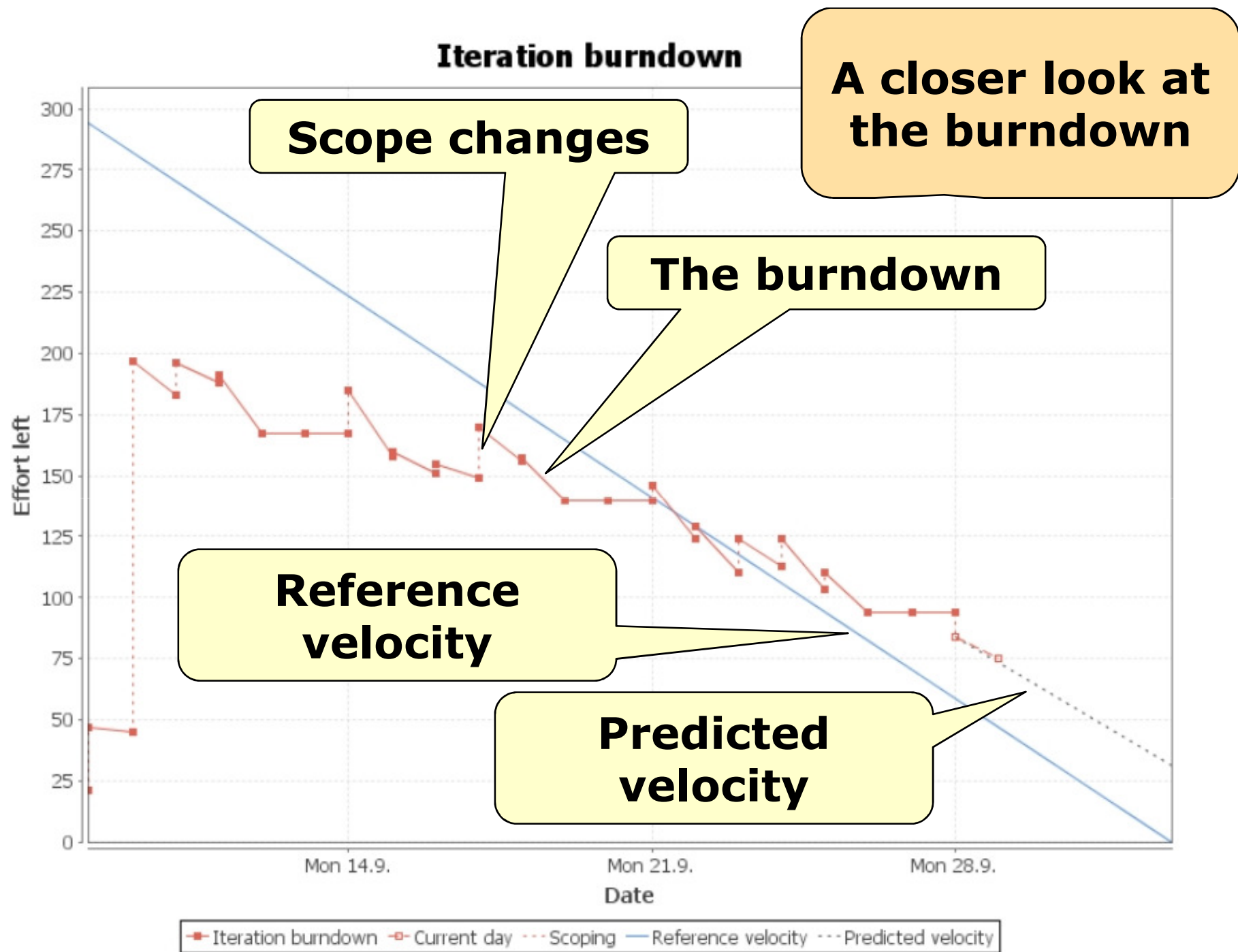
#	Name	State	Responsibles	EL	OE	ES	Edit
▶	Removing iterations @ project page	Done	Reko	0h	1h		Edit
▶	Removing projects @ product page	Done	Reko	0h	0.5h		Edit

▶	[TECH] Overall structural html rewrite	8	Done	Reko				Edit
▶	Story splitting	16	Done	Pasi, Reko				Edit
▶	[TECH] BUG: Story sorting issues	3	Done	Pasi				Edit
▶	Improving the user selector	10	Done	Reko				Edit
▶	[TECH] Remove the old js validation plugin / rewrite the create dialogs							
▶	Menu improvements							
▶	Logging effort for stories (a sample for team fiorano)		Done	Pasi				Edit

Tasks without a story

Tasks without story

#	Name	State	Responsibles	EL	OE	ES	Edit
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Planned scope

Project burnup

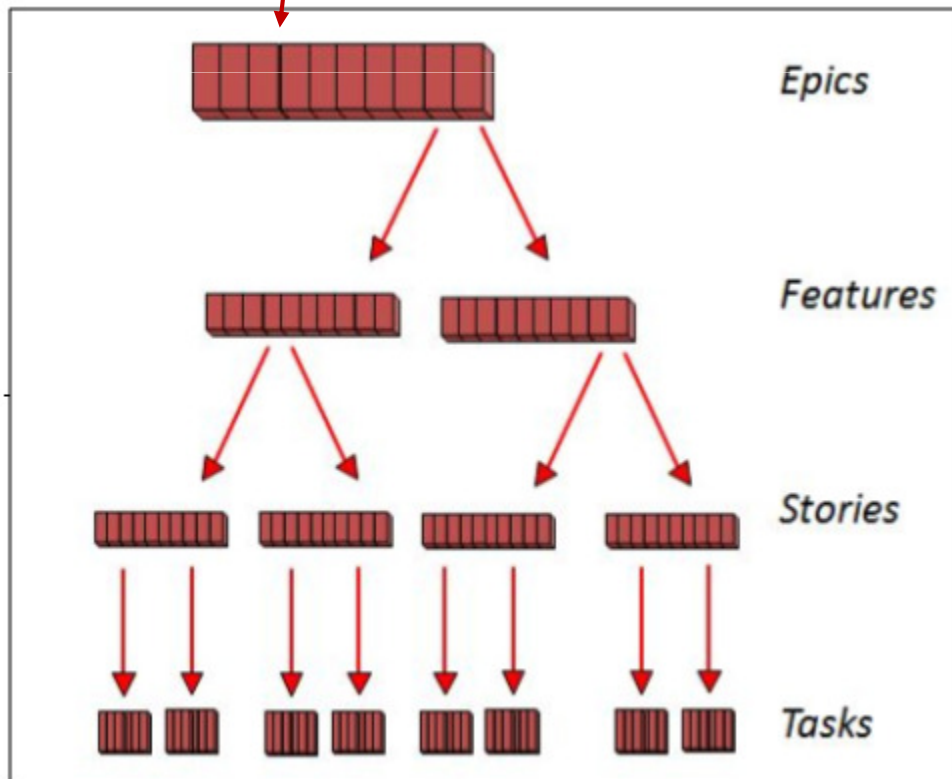
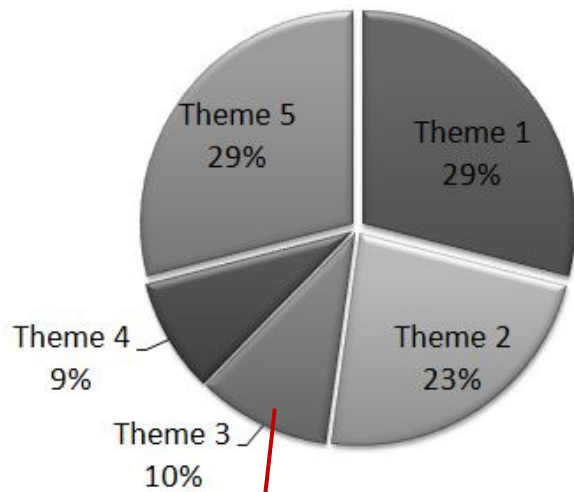
Release management



Done

— Work planned ■ Work done

Leffingwell's model for scaling agile



Release management

■ Unlimited story hierarchy



■ Working on...



➤ Visualising the hierarchy

➤ Re-structuring the hierarchy

**Beta
Q1/2010**



Daily Work Backlogs Dev Portfolio Timesheets Administration				
Development Portfolio				
Ranked Projects				
Rank	St.	Deadline	Project Name	Assignees
1	●	2009-12-31	Connect (Ylläpito)	TNo, CST, JLu, JHe, KLa
2	●	2009-10-31	*Tuotekehitys: Tuotekehitys 2009 ()	HMa, VVi, VMe, HWa, PHe, KVi, SHe, VLo, MPi, RLi, TAs, SSv, CST, HHa, JLu, Pka, JHe, KLa, HKo
4	●	2009-12-31	DataCollector (Ratkaisun jatkokehitys / pienkehitys)	JLu, VSp, SHe
5	●	2009-11-30	CRM-ratkaisu (Uudet projektit / kumppanien tuotteisiin perustuvat)	KVi
6	●	2009-12-31	Support (Ylläpito)	VVi, HWa, LLe
7	●	2009-10-30	Helpdesk (Ratkaisun jatkokehitys / projektoimppi kehitys)	JLu, VVi, PHe, KVi, CST
8	●	2009-10-29	Case II (Ratkaisun jatkokehitys / pienkehitys)	MPi, VMe, PLi
9	●	2009-12-11	proj...	PTo, VLo, MPi, TAs, SSv, VMe, PLi, SHe
10	●	2009-10-22	proj...	JKa, RLi, SSv, Pka, SDa
11	●	2012-12-31	...	VLo, MPi, TAs, CST, Pka, SHe, HWa
12	●	2009-12-31	...	...
13	●	2012-12-31	...	...
14	●	2009-10-30	...	...
15	●	2012-08-31	...	...
16	●	2009-12-31	...	...
17	●	2009-12-30	...	...
18	●	2009-10-30	...	...
Unranked Projects				
Project Name			Assignees	
*IPSS Internal: Knowledge development			PTo, VSp, HKo, VVi, HWa, PHe, PLi, MHe, TNo, M TAs, TLu, JHe, KLa, SDa, MRa, JKa, HMa, APa, KVi, VLo, HHa, CST, SSv, JLu, Pka	
*IPSS Internal: Administration			PTo, VSp, HKo, VVi, VMe, HWa, PHe, PLi, MHe, TRLi, TAs, TLu, JHe, KLa, SDa, MRa, JKa, HMa, APa,	

Project portfolio management

People assigned

Product

Project Project type

Ranked projects


Unranked projects

Status

My workload

My work queue

**Zoom to
Work queue...**



**Tasks assigned to
me from all ongoing
iterations**

Daily work

The daily work of

[Load](#)
[Detailed](#)
[Spent effort](#)

Timeplot © SIMILE



The trip to Paris...

Iteration

Task

Story

My work queue

#	Task Name	Context	Status	Responsibles	EL	OE	ES	Edit
08.10.09		Syksy 2009 > TU-53.1030 Knowledge and competence management	Started	Ville	2h	2h		Edit
Tentin tulokset Oodiin		Tipahtelevat jälkityöt > Tipahtelevat jälkityöt	Started	Ville	0.5h	0.5h		Edit
Lue uusin F-LEX 2 kuvaa		Oct > F-Secure: työkalun valintakriteerit on kasassa	Not Started	KQR, Ville	1h	1h		Edit
Valmistele intro Workshoppiin		Oct > F-Secure: työkalun valintakriteerit on kasassa	Not Started	Ville	3h	3h		Edit
Workshop planning for requirements elicitation		Oct > F-Secure: työkalun valintakriteerit on kasassa	Implemented	KQR, Ville	0h	8h		Edit
Hahmottele vaatimukset ja kirjoita selitys		Oct > Paper: Requirements and existing solutions for a portfolio management tool edistetty (kirjallisuus & prosessikuvausta)	Not Started	Ville	14h	14h		Edit
Pariisin matka 27.-30.10.		Ville Pariisissa	Not Started	Ville	21.75h	21.75h		Edit

Timesheets

- Effort can be logged to

- Tasks

- Stories

- Projects

- Iterations

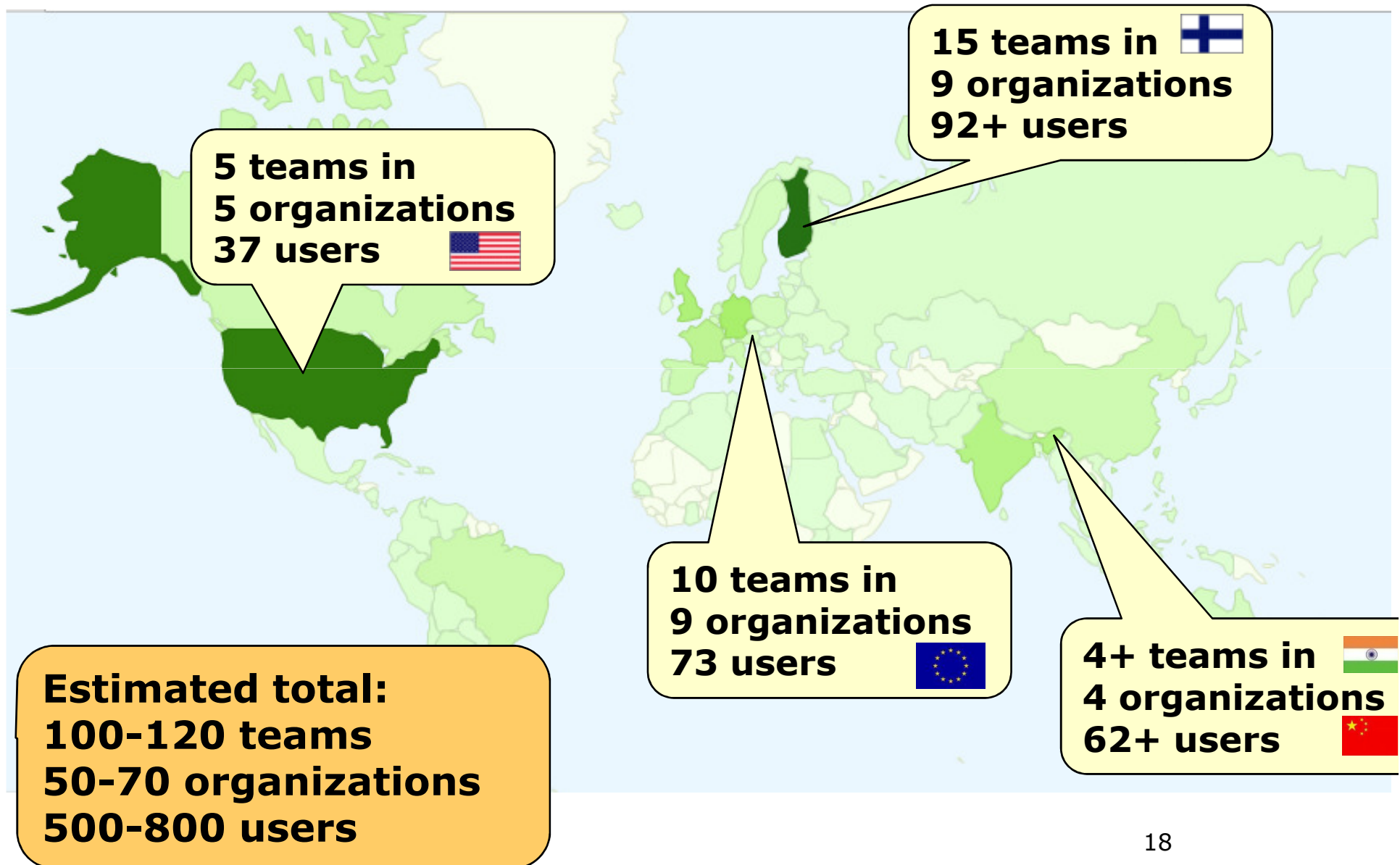
- Products



- Report generation & export to excel

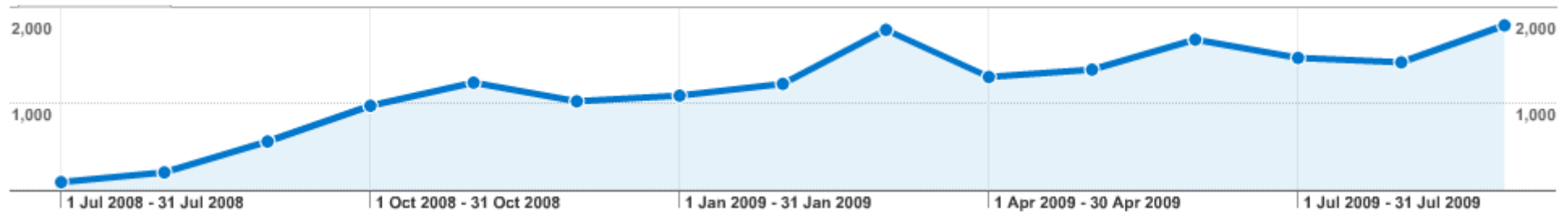
**Who have adopted
Agilefant?**

Adopters that we know of (10/2009)

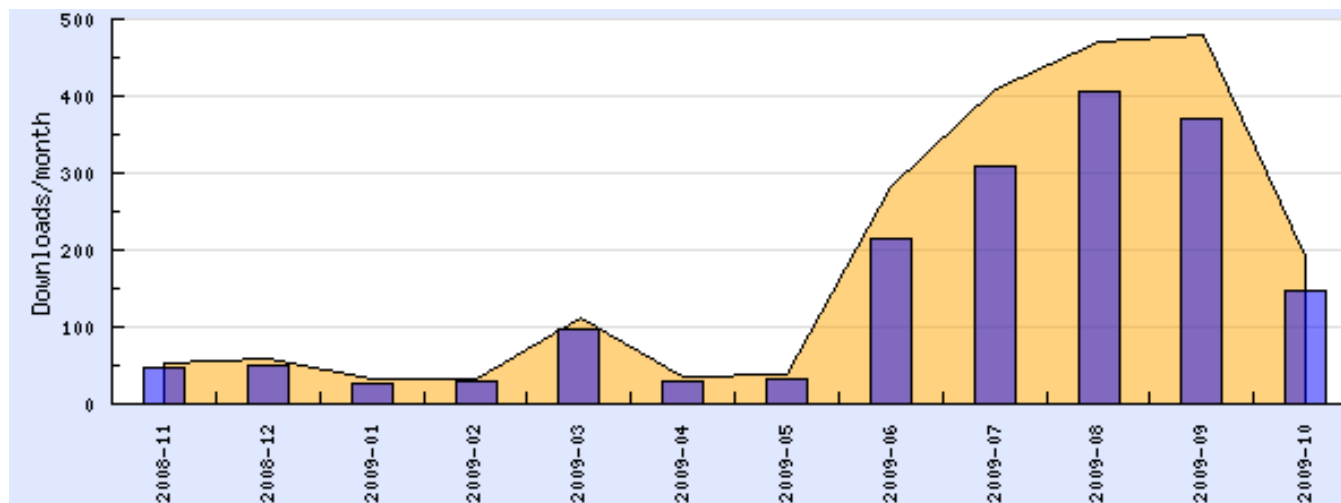


Some indicators...

■ Visitors @ Agilefant.org



■ Downloads



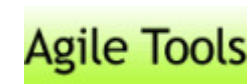


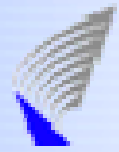
Positive Feedback from Reviews

- 9/2009: Joint 1st place w/IceScrum



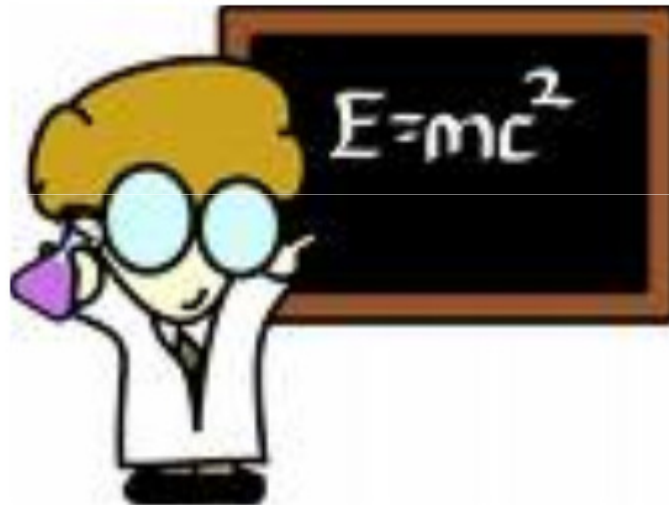
- 2008: Joint 1st place w/Xplanner (???)





Thank You!

Questions & Comments?



<http://www.agilefant.org>
team@agilefant.org