Predictable Projects

Using Evolutionary Project Management to get the Right Results at the Right Time

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Project Coach

Niels Malotaux

- Helping projects and organizations very quickly to become
 - More effective doing the right things better
 - More efficient doing the right things better in less time Result Management
 - Predictable delivering as predicted
- Getting projects back on track

Ultimate Goal of a What We Do

Delivering the Right Result at the Right Time, wasting as little time as possible (= efficiently)

Providing the customer with

- what he needs
- at the time he needs it
- to be satisfied
- to be more successful than he was without it
- Constrained by (win win)
 - what the customer can afford
 - what we mutually beneficially and satisfactorily can deliver
 - in a reasonable period of time





- Carry out an Evo delivery cycle
- Measure values delivered
- Measure costs incurred
- For whom \leftarrow stakeholders
- What to carry out ← requirements, prioritizing
- How to carry out

prespectively

retrospectively

- Effectively producing desired results : having an intended effect
- Efficiently producing desired results without wasting (materials, time, energy)
- Continuous improvement (at no extra burden: it should save !)

First Do and then Think, or First Think and then Do?

Insanity is doing the same things over and over again and hoping the outcome to be different (let alone better)

Albert Einstein 1879-1955, Benjamin Franklin 1706-1790, it seems Franklin was first

- Only if we change our way of working, the result may be different
 - Hindsight is easy, but reactive
 - Foresight is less easy, but proactive
 - Reflection is for hindsight and learning \rightarrow retrospective
 - Preflection is for foresight and prevention \rightarrow prespective
- Only with prevention we can save precious time
- This is used in the Deming/Plan-Do-Check-Act cycle







Weekly TaskCycle

- What are we going to do and why
- Are we doing the right things, in the right order, to the right level of detail for now
- Optimizing estimation, planning and tracking abilities to better predict the future
- Select highest priority tasks, never do any lower priority tasks, never do undefined tasks
- There are only about 26 plannable hours in a week (2/3)
- In the remaining time: do whatever else you have to do
- Tasks are always done, 100% done



Every week we plan

- How much time do we have available
- 2/3 of available time is net plannable time
- What is most important to do
- Estimate effort needed to do these things
- Which most important things fit in the net available time *exactly* (default 26 hr per week)
- What can, and are we going to do
- What are we not going to do
- Not producing waste !

2/3 is default start value this value works well in development projects



Planning: Retrospection and Prespection

• Retrospection: Analysis of last week

- All work done ?
 - If real and estimated time significantly different: analyze to learn
- Not all work done ?
 - Why?
 - 3 hr planned, 3 hr spent, task not done: complexity estimation issue
 - 3 hr planned, 3 hr not spent, task not done: time management issue
- Prespection: Planning of next week
 - How much time available
 - Most important things to do
 - How much fits in the available time?
 - How much time is needed; may we spend; will we spend (timebox)
 - What will we have done by the end of the cycle ?
 - What do we now already know that won't have been done ?

Weekly 3-Step Procedure

- Individual preparation
 - Conclude current tasks
 - What to do next
 - Estimations
 - How much time available
- Modulation with / coaching by Project Management
 - Status
 - Priority check
 - Feasibility
 - Commitment and decision
- Synchronization with group (team meeting)
 - Formal confirmation
 - Concurrency
 - Learning
 - Helping
 - Socializing



• Net Cost of Value: 1.6 days \rightarrow ~3 people x 1.6 days x 1000€/day = 5 k €



| issues | one | real | estim | task description | who | cycle |
|------------------------|-----|------|-------|------------------------|------|-------|
| | | | | Net time available: 26 | John | 3 |
| | ves | 3 | 3 | аааааааа | | |
| TaskCycle / | | | 1 | bbbbbbbb [Paul] | | |
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| (i cirospe | | | 2 | ddddddd | | |
| | | 2 | 3 | eeeeeee | | |
| | | 1 | 2 | ffffffffff | | |
| | ves | 7 | 6 | ggggggggg | | |
| | | | 4 | hhhhhhh | | |
| | | 26 | 26 | | | |
| | | | | | | |
| | | | | Net time available: 26 | John | 4 |
| for proj x | for | | 3 |]]]]]]]]]]]]]]]]]]] | | |
| for proj x | for | | 1 | kkkkkkkk | | |
| for proj x | for | | 5 | mmmmm | | |
| for proj x TaskCycle F | for | | 2 | nnnnnnn | | |
| for proj y (presepe | for | | 3 | рррррррр | | |
| for proj y | for | | 12 | qqqqqqq | | |
| for proj y | for | | 6 | rrrrrrrrrr | | |
| for proj y | for | | 4 | SSSSSSSSS | | |
| for proj y | for | | 4 | ttttttttttt | | |
| | | | 40 | | | |





- Organizing the work in very short cycles
- Making sure we are doing the right things
- Doing the right things right
- Continuously optimizing (also what not to do)
- So, we already work more efficiently

but ...

• How do we make sure the whole project is done on time ?





- Hoping for the best (fatalistic)
- Going for it (macho)
- Working Overtime (fooling ourselves)
- Moving the deadline
 - Parkinson's Law
 - Work expands to fill the time for its completion
 - Student Syndrome
 - Starting as late as possible,
 - only when the pressure of the FatalDate is really felt





Continuous elimination of waste

We don't have enough time, but we can save time without negatively affecting the Result !

- Efficiency in what (why, for whom) we do doing the right things
 - Not doing what later proves to be superfluous
- Efficiency in how we do it doing things differently
 - The product
 - Using proper and most efficient solution, instead of the solution we always used
 - The project
 - Doing the same in less time, instead of immediately doing it the way we always did
 - Continuous improvement and prevention processes
 - Constantly learning doing things better and overcoming bad tendencies
- Efficiency in when we do it right time, in the right order
- TimeBoxing much more efficient than FeatureBoxing



All this prespection takes too much time !



- It doesn't
- It should save time, otherwise: don't do it !
- It worked in many projects, statistically there is a good chance that it works for you

www.malotaux.nl/booklets

- 1 Evolutionary Project Management Methods (2001) Issues to solve, and first experience with the Evo Planning approach
- 2 How Quality is Assured by Evolutionary Methods (2004) After a lot more experience: rather mature Evo Planning process
- 3 Optimizing the Contribution of Testing to Project Success (2005) How Testing fits in
- **3a Optimizing Quality Assurance for Better Results (2005)** Same as Booklet 3, but for non-software projects
- 4 **Controlling Project Risk by Design (2006)** How the Evo approach solves Risk by Design (by process)
- 5 TimeLine: How to Get and Keep Control over Longer Periods of Time (2007) Replaced by Booklet 7, except for the step-by-step TimeLine procedure
- 6 Human Behaviour in Projects (APCOSE 2008) Human Behavioural aspects of Projects
- 7 How to Achieve the Most Important Requirement (2008) Planning of longer periods of time, what to do if you don't have enough time
- 8 Help! We have a QA Problem! (2009) Use of TimeLine technique: How we solved a 6 month backlog in 9 weeks
- RS Measurable Value with Agile (Ryan Shriver 2009) Use of Evo Requirements and Prioritizing principles

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Inspection pages

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