

COURSEWARE

Agile Foundation

Courseware

Agile Foundation
Courseware - English

Colophon

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This Agile Scrum Foundation certification is part of the Van Haren Agile qualification program and has been developed in cooperation with international experts in the field.

Publisher about the Courseware

The Courseware was created by experts from the industry who served as the author(s) for this publication. The input for the material is based on existing publications and the experience and expertise of the author(s). The material has been revised by trainers who also have experience working with the material. Close attention was also paid to the key learning points to ensure what needs to be mastered.

The objective of the courseware is to provide maximum support to the trainer and to the student, during his or her training. The material has a modular structure and according to the author(s) has the highest success rate should the student opt for examination. The Courseware is also accredited for this reason, wherever applicable.

In order to satisfy the requirements for accreditation the material must meet certain quality standards. The structure, the use of certain terms, diagrams and references are all part of this accreditation. Additionally, the material must be made available to each student in order to obtain full accreditation. To optimally support the trainer and the participant of the training assignments, practice exams and results are provided with the material.

Direct reference to advised literature is also regularly covered in the sheets so that students can find additional information concerning a particular topic. The decision to leave out notes pages from the Courseware was to encourage students to take notes throughout the material.

Although the courseware is complete, the possibility that the trainer deviates from the structure of the sheets or chooses to not refer to all the sheets or commands does exist. The student always has the possibility to cover these topics and go through them on their own time. It is recommended to follow the structure of the courseware and publications for maximum exam preparation.

The courseware and the recommended literature are the perfect combination to learn and understand the theory.

-- Van Haren Publishing

Other publications by Van Haren Publishing

Van Haren Publishing (VHP) specializes in titles on Best Practices, methods and standards within four domains:

- IT and IT Management
- Architecture (Enterprise and IT)
- Business Management and
- Project Management

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Topics are (per domain):

IT and IT Management

ABC of ICT
ASL®
CATS CM®
CMMI®
COBIT®
e-CF
ISO/IEC 20000
ISO/IEC 27001/27002
ISPL
IT4IT®
IT-CMF™
IT Service CMM
ITIL®
MOF
MSF
SABSA
SAF
SIAM™
TRIM
VeriSM™

Enterprise Architecture

ArchiMate®
GEA®
Novius Architectuur
Methode
TOGAF®

Business Management

BABOK® Guide
BiSL® and BiSL® Next
BRMBOK™
BTF
EFQM
eSCM
IACCM
ISA-95
ISO 9000/9001
OPBOK
SixSigma
SOX
SqEME®

Project Management

A4-Projectmanagement
DSDM/Atern
ICB / NCB
ISO 21500
MINCE®
M_o_R®
MSP®
P3O®
PMBOK® Guide
Praxis®
PRINCE2®

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How to Use this Courseware

This courseware is prepared to support classroom training.

The classroom slides are available in the second section of this courseware. However, these work only as a reference, and the first section (handouts) is what you need to have in front of you during the course. The handouts are designed to maximize interactivity and engagement during the course. There are cross-references in sections that direct you from one to the other. If you need more information about a topic, and it's not found on the slides, you can follow the references to the training manual.

There are many white spaces in the handouts. We suggest you fill them in as you progress through the course. The process of writing down the most important parts of the course helps you focus on and remember them.

There are a online sample exams available. Don't even look at it before finishing the course, to make sure your self-evaluation is reliable. At the end of the course, you can take the first exam, and check your performance. A 70% or higher mark is usually safe, but don't worry if you've got a lower mark, as you're still in the learning phase. There's a lot of explanation for each question in the exam, to help you polish your knowledge and increase your final mark. Go through them all, and if you find out that you have problems with certain topics, spend more time on them (e.g. read the related chapters in the training manual).

Good luck with your projects, and your exam!

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Syllabus

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Self-Reflection of understanding Diagram

‘What you do not measure, you cannot control.’ – Tom Peters

Fill in this diagram to self-evaluate your understanding of the material. This is an evaluation of how well you know the material and how well you understand it. In order to pass the exam successfully you should be aiming to reach the higher end of Level 3. If you really want to become a pro, then you should be aiming for Level 4. Your overall level of understanding will naturally follow the learning curve. So, it’s important to keep track of where you are at each point of the training and address any areas of difficulty.

Based on where you are within the Self-Reflection of Understanding diagram you can evaluate the progress of your own training.

<i>Level of Understanding</i>	<i>Before Training (Pre-knowledge)</i>	<i>Training Part 1 (1st Half)</i>	<i>Training Part 2 (2nd Half)</i>	<i>After studying / reading the book</i>	<i>After exercises and the Practice exam</i>
<i>Level 4 I can explain the content and apply it .</i>					
<i>Level 3 I get it! I am right where I am supposed to be.</i>					<i>Ready for the exam!</i>
<i>Level 2 I almost have it but could use more practice.</i>					
<i>Level 1 I am learning but don't quite get it yet.</i>					

(Self-Reflection of Understanding Diagram)

Write down the problem areas that you are still having difficulty with so that you can consolidate them yourself, or with your trainer. After you have had a look at these, then you should evaluate to see if you now have a better understanding of where you actually are on the learning curve.

Troubleshooting

Problem areas:

Topic:

Part 1

Part 2

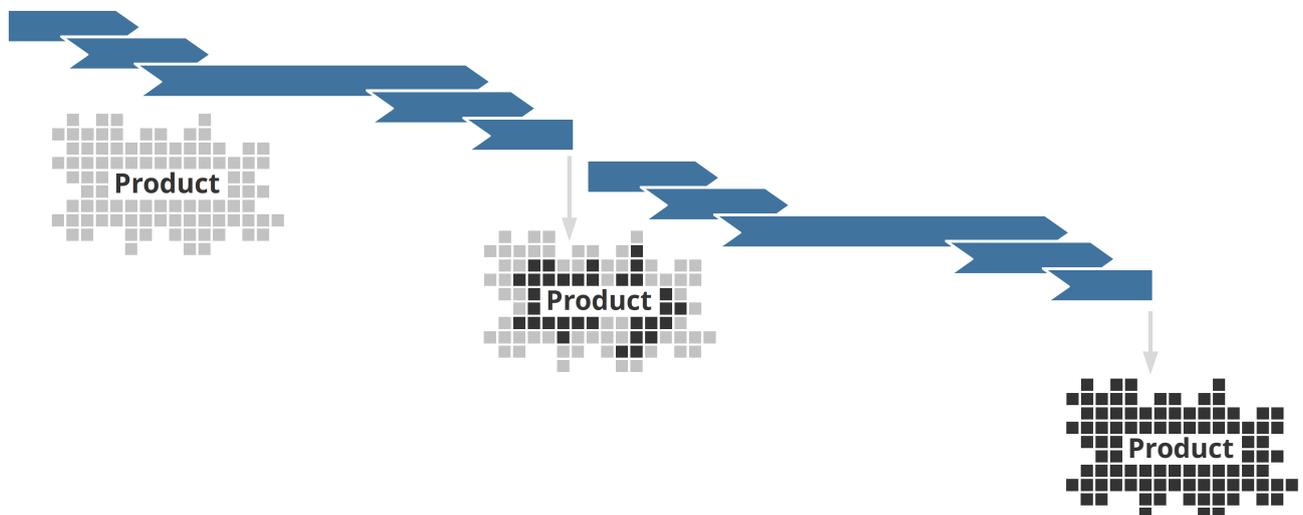
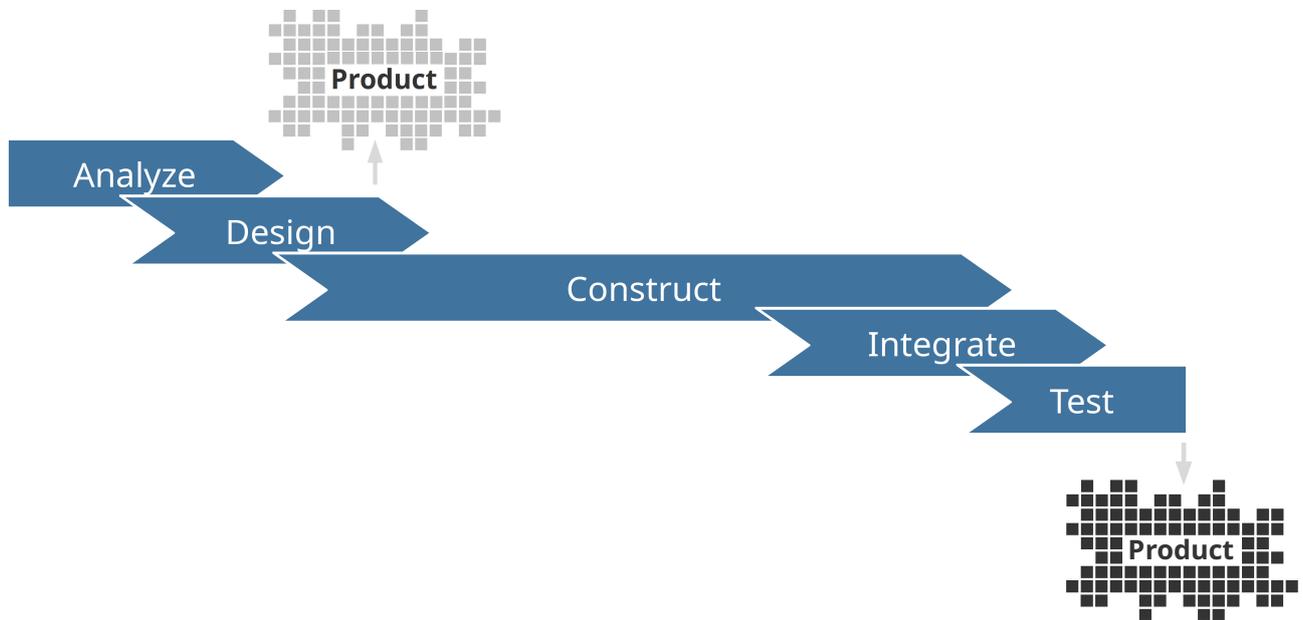
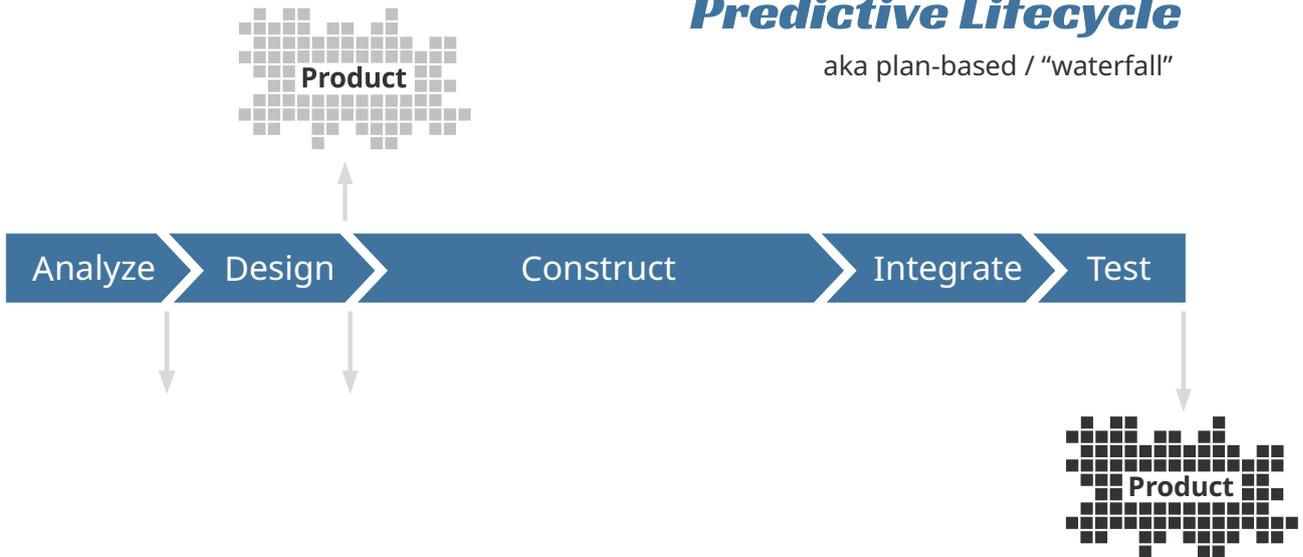
You have gone through the book and studied.

You have answered the questions and done the practice exam.

1. What is Agile?

Predictive Lifecycle

aka plan-based / "waterfall"



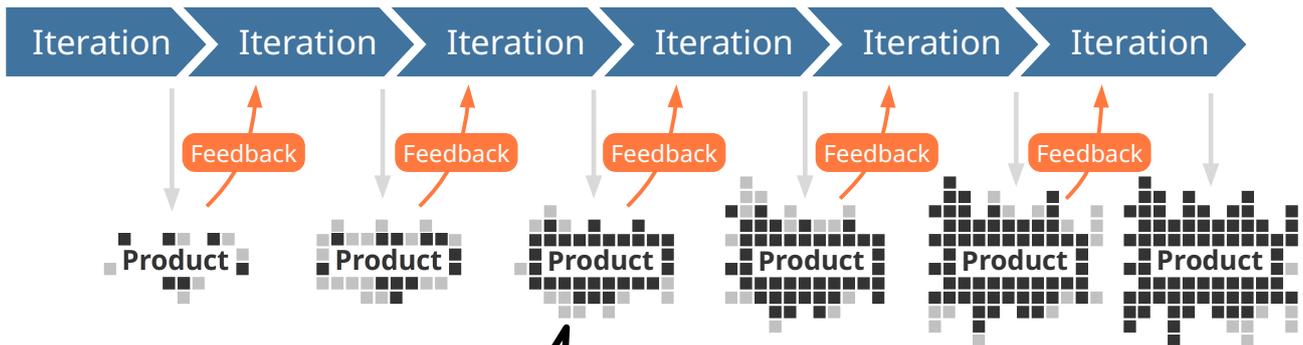


What do we “predict” in a predictive approach?

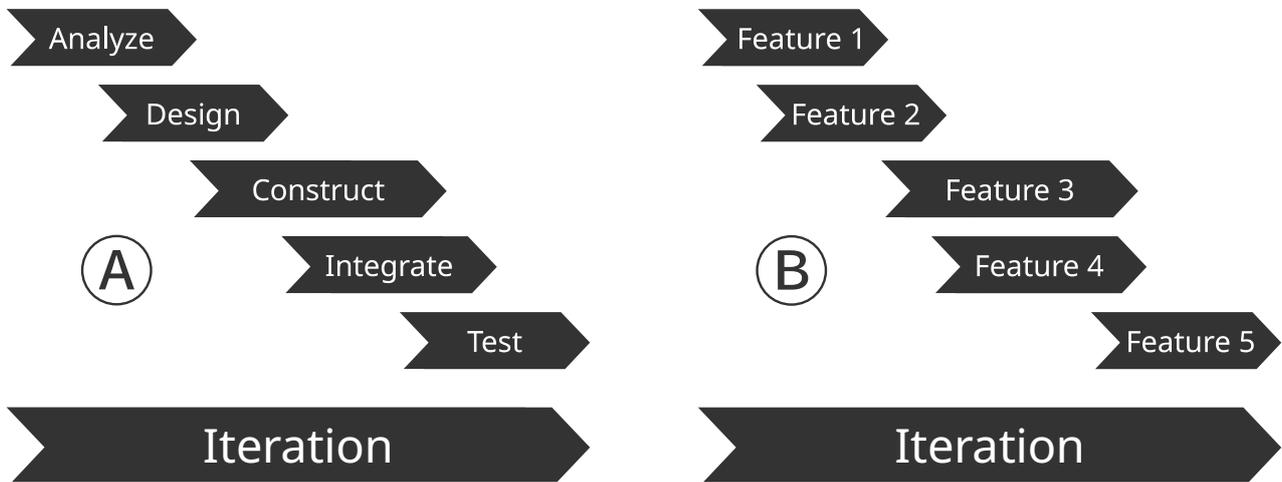
What are the characteristics of a predictive lifecycle?

Adaptive Lifecycle

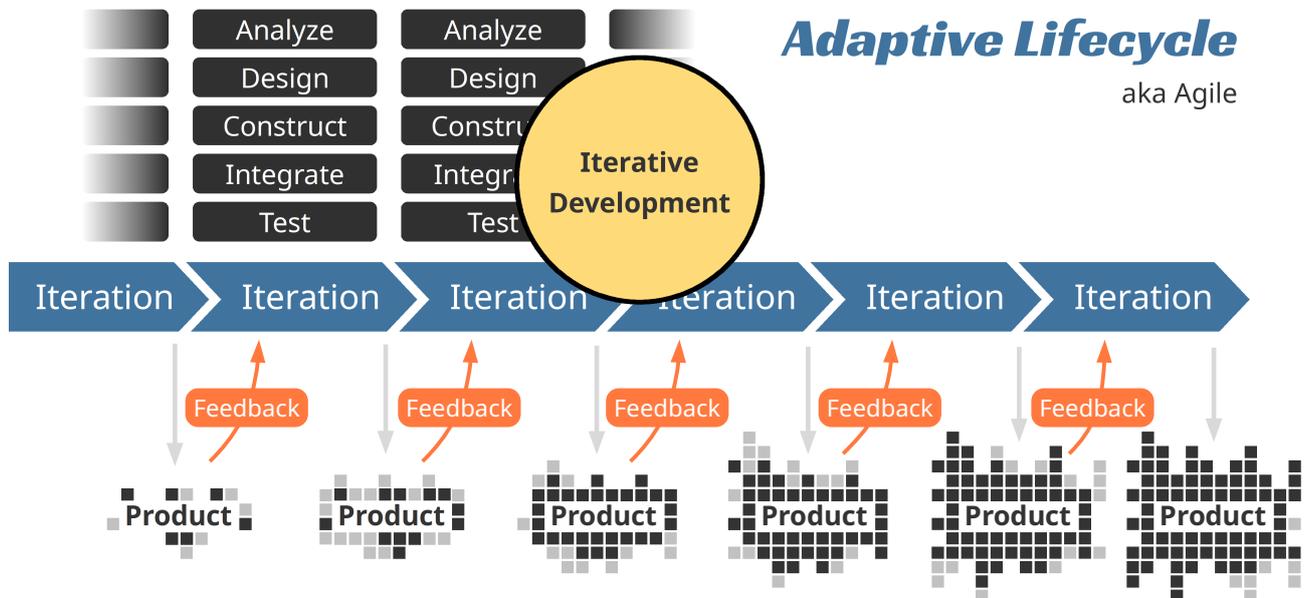
aka Agile



What's the difference between the interim products of an adaptive lifecycle and a predictive one?



Which option is better? Why?



Predictive lifecycles are driven by _____.

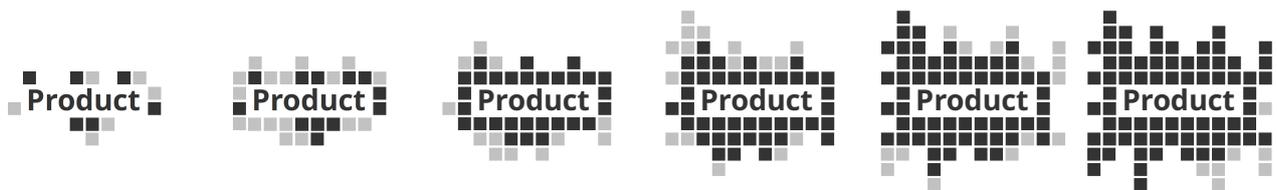


▲ Predictive Lifecycle

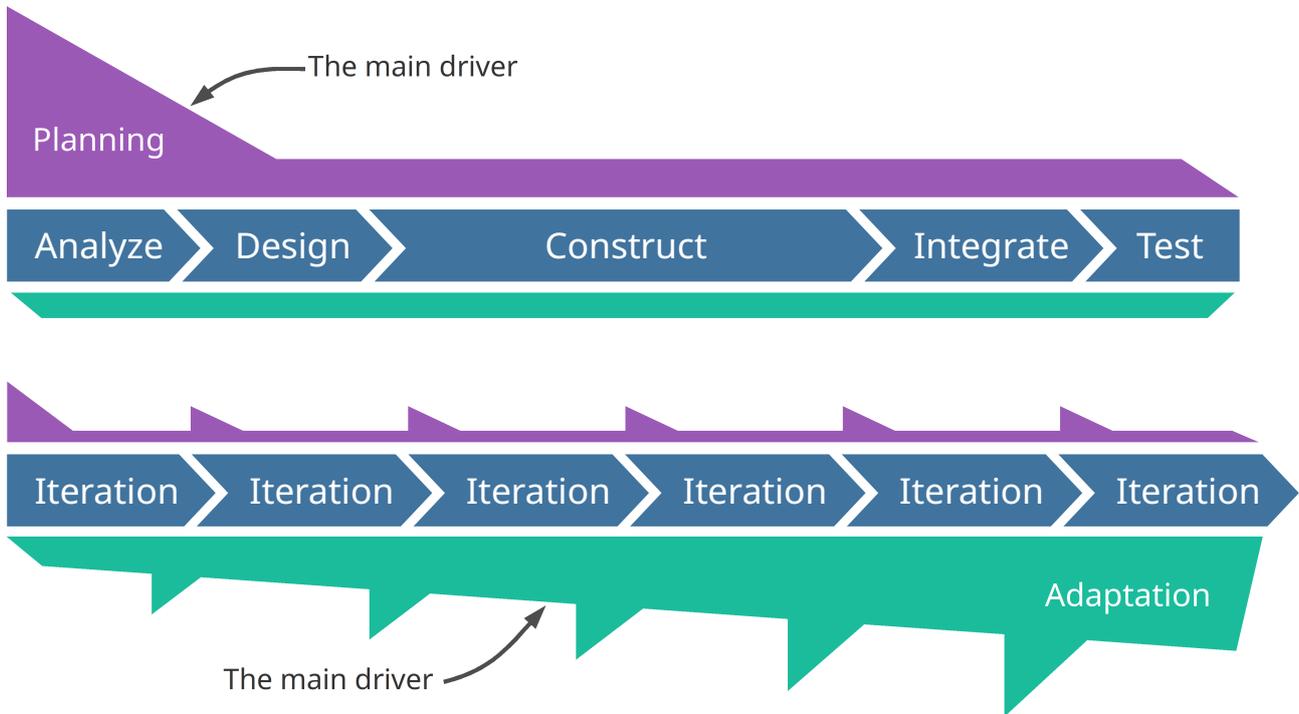
Big Bang delivery (of a complete product)

▼ Adaptive Lifecycle

Incremental delivery (of an evolving product)



Adaptive lifecycles are driven by _____.



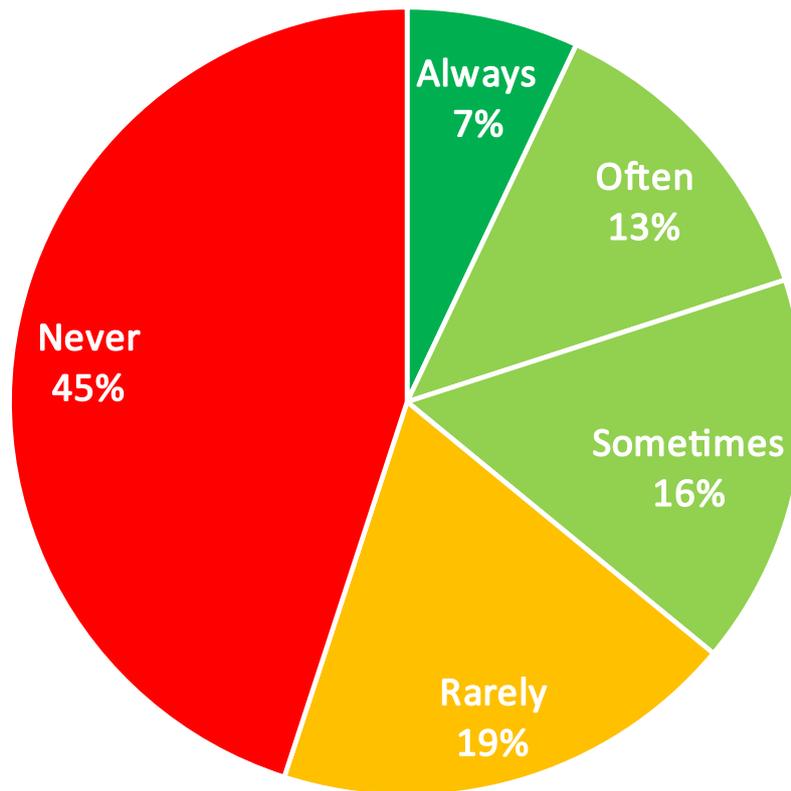
Every project needs planning.

The type of planning should match the development approach of the project.

Every project needs to adapt to its environment.

Whether or not adaptation is the main driver depends on the development approach.

Is Agile Faster?



less waste › faster delivery › less cost

Benefits of the adaptive (Agile) approach:

Benefits of the predictive approach:
