

## Be water, my friend: Agile + DevOps Leonardo Bittencourt





### **About me:**

Principal Lean/Agile Consultant at Ammeon Solutions





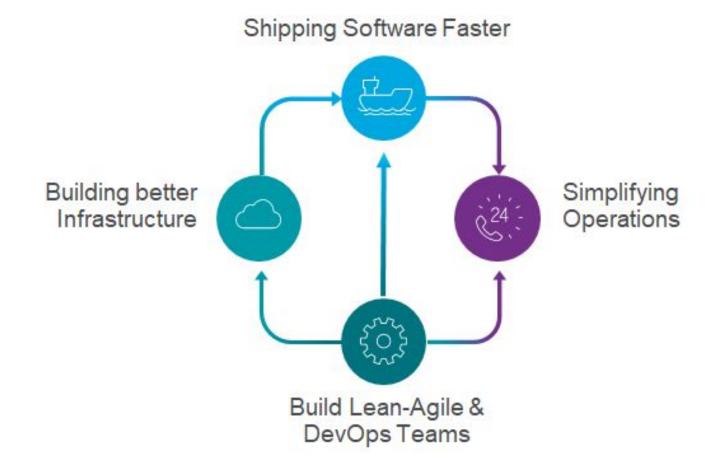
- Agile Tours: London, Vilnius, Kaunas
- Agile Lean Ireland
- Conference Agile Spain
- PM Summit

Translated the book "Scrum - A Pocket Guide" to Portuguese



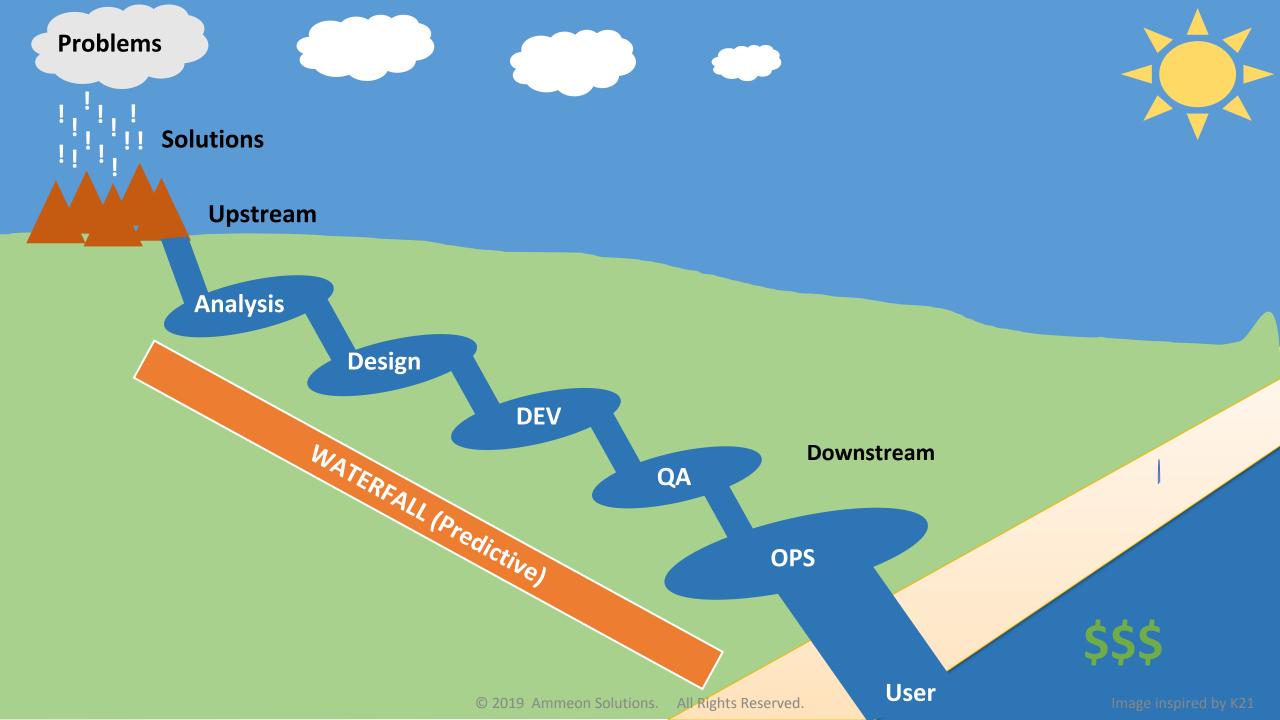


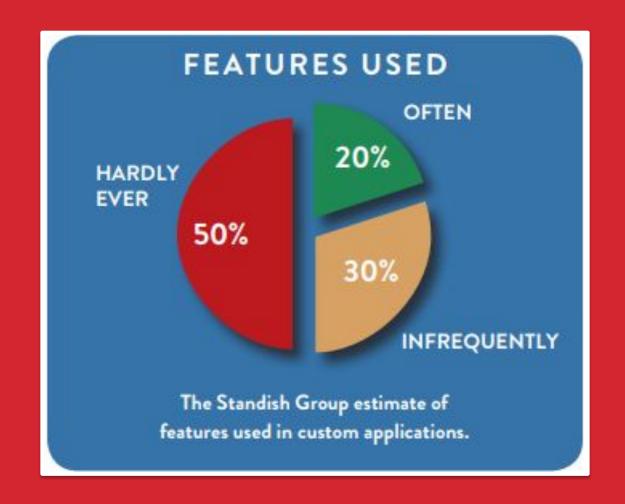
### **About Ammeon Solutions:**







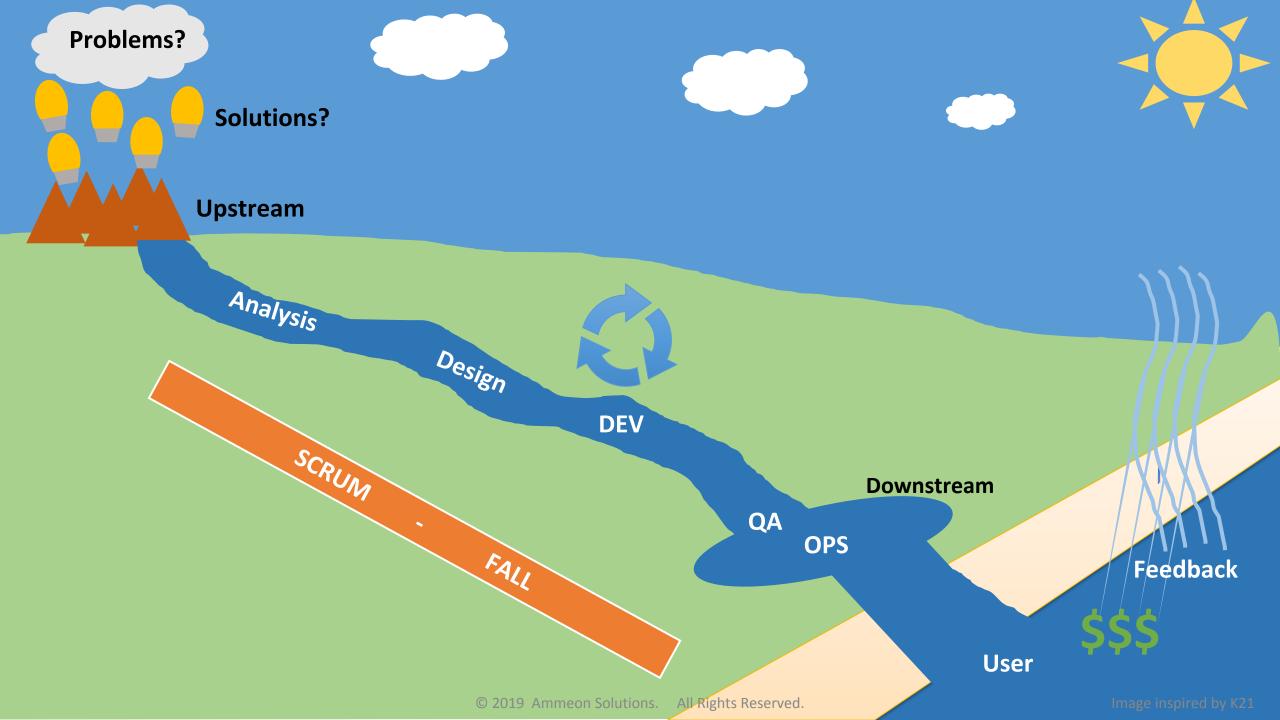






In complex environments like software development, we need to assume that we cannot not plan everything upfront





### Dev X Ops



Dev:

Small and Frequent Releases !!!





Ops:

Stable environments !!!

Business: We need both !!!



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**DevOps** is the practice of operations and development engineers participating together in the entire service lifecycle, from design through the development process to production support

Source: https://theagileadmin.com/what-is-devops/





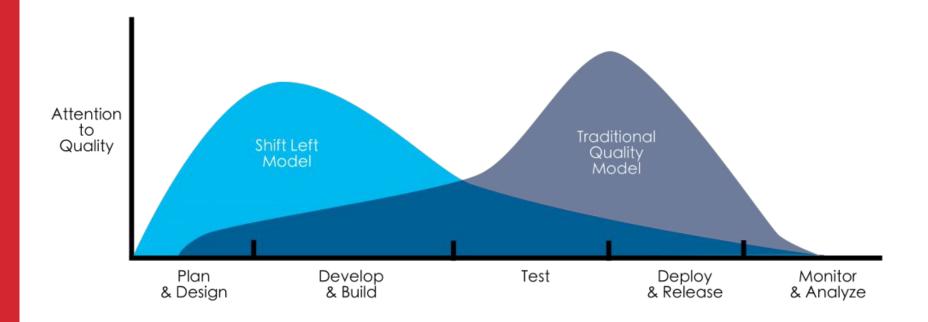
### Predictive X Shift Left

#### **Monitoring**

### **Security**



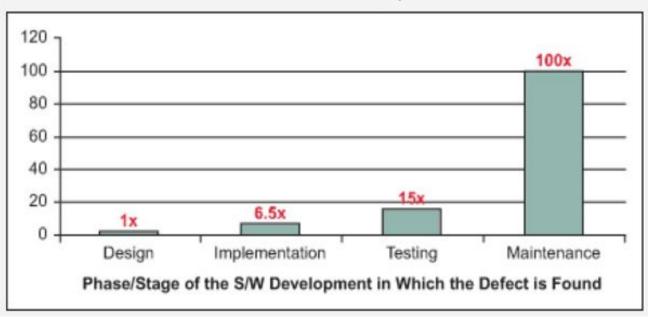
#### **Deployment**

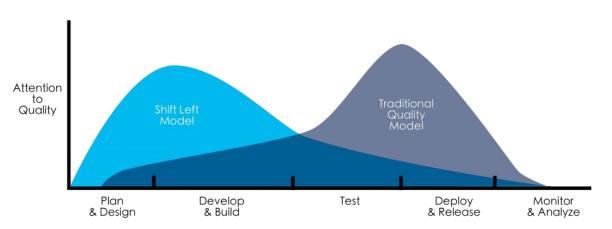




### Predictive X Shift Left

Figure 1: Relative Costs to Fix Software Defects (Source: IBM Systems Sciences Institute)





**Source:** https://www.bmc.com/blogs/what-is-shift-left-shift-left-testing-explained/https://devopedia.org/shift-left









**Containers** 

**Continuous Integration** 

**Virtualisation** 

A/B Testing

**Automated Testing** 

**Vulnerability Scan** 

**Continuous Deployment** 

**Continuous Delivery** 

Blue/Green Deployment

### Questions to be asked

- Accelerate time to market?
- Ability to build the right product?
- Improve productivity and efficiency (and effectiveness)?
- Reliable releases?
- Improve product quality?
- Improve customer satisfaction?



# 30x more frequent code deployments 200x faster lead time from commit to deploy 168x faster mean time to restore service 60x higher success on production deployments

**Source:** State of DevOps Report (2013 - 2016)



## 46x more frequent code deployments 440x faster lead time from commit to deploy 170x faster mean time to recover from downtimes 1/5 as likely for a change to fail

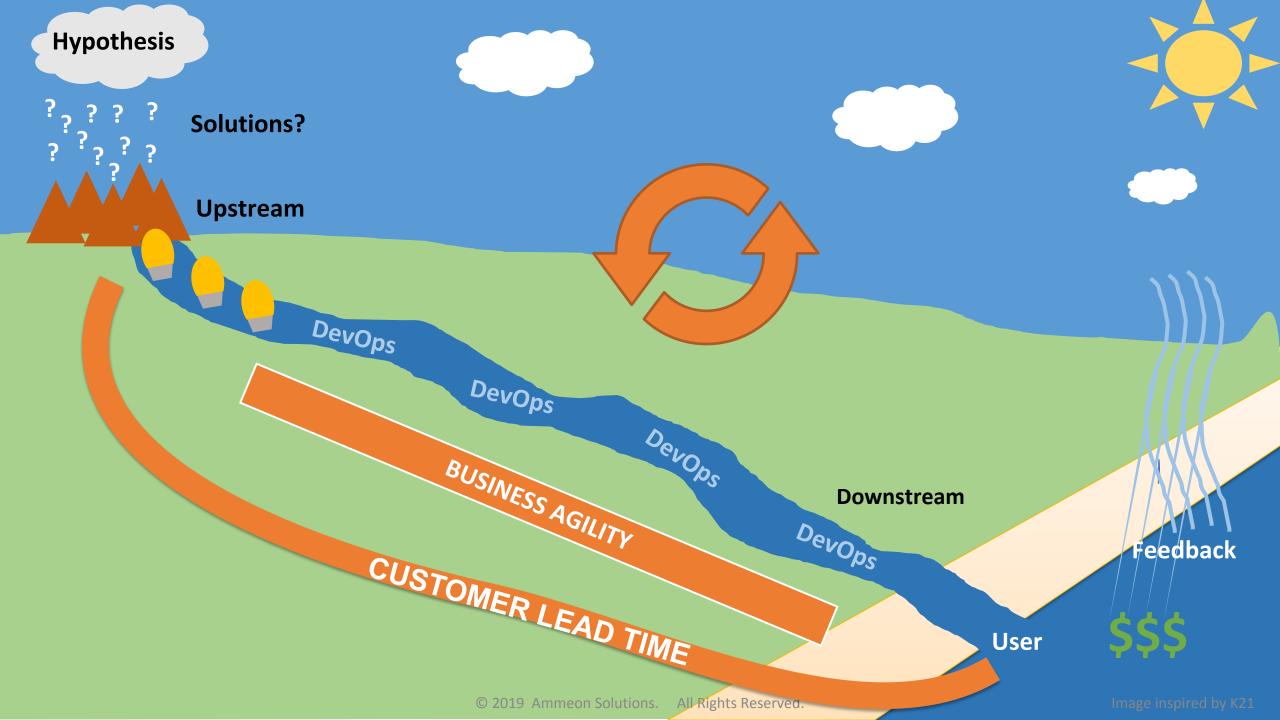
**Source:** Accelerate – The Science of Lean Software and DevOps (2017)



### Agile without DevOps is flaccid

Technical excellence is vital for quick feedback, understanding our customers and optimising business outcomes





### **Final Notes**

- DevOps is not a role.
- Culture of collaboration.
- Shift left.
- Improve flow focusing on business outcomes.
- Shorten feedback cycles.
- Continuous learning & improvement.



### Ammeon Solutions and Red Hat





- ✓ For the second year running, Red Hat have awarded us with premier business partner status
- Ammeon Solutions have been working with Red Hat customers in the Banking, Finance, Insurance and Telecommunications sectors
- ✓ DevOps engineers from Ammeon Solutions' Cloud and Agile IT team work as Red Hat Consultants, with the following technologies:











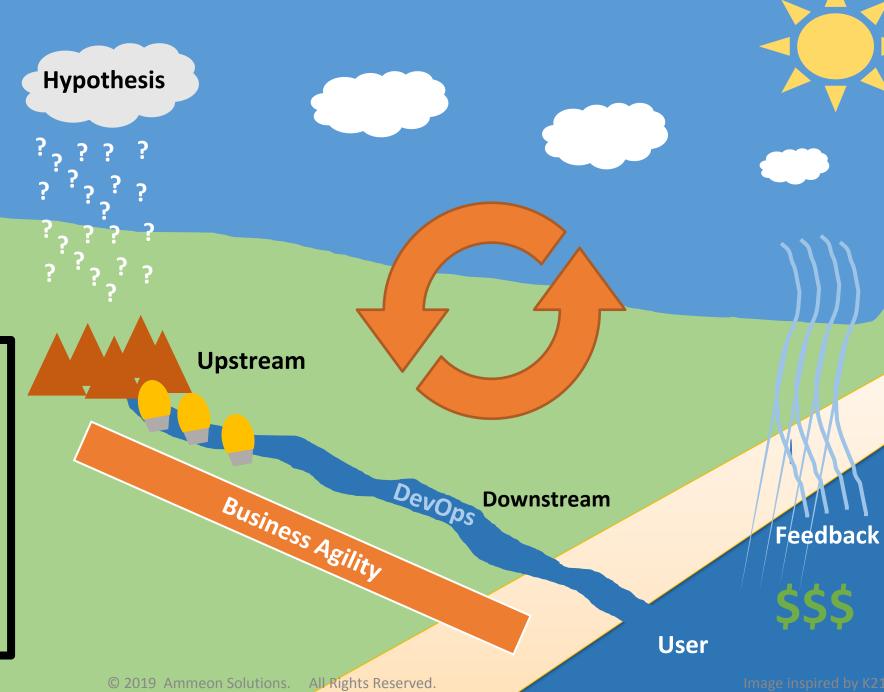












Be water, my friend!!!

Agile + DevOps

### Social Media

### Thank you!

### Twitter:

@ammeonsolutions

### **Linkedin:**

<u>linkedin.com/company/ammeon-solutions</u>

