

Annexes

Ci-après vous trouverez une série de liens et de slides supplémentaires sur Scrum et Agile.

Si vous avez des questions, si vous désirez des références sur un sujet en particulier, n'hésitez pas à me contacter: bruno.sbille@gmail.com

Vous pouvez également consulter cette page: <http://brunosbille.com/?p=1980> avec des liens sur Scrum et Agile. Pensez à changer de langue pour avoir les liens en anglais également

Agile Manifesto

www.agilemanifesto.org

We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

Individuals and interactions over **processes and tools**

Working software over **comprehensive documentation**

Customer collaboration over **contract negotiation**

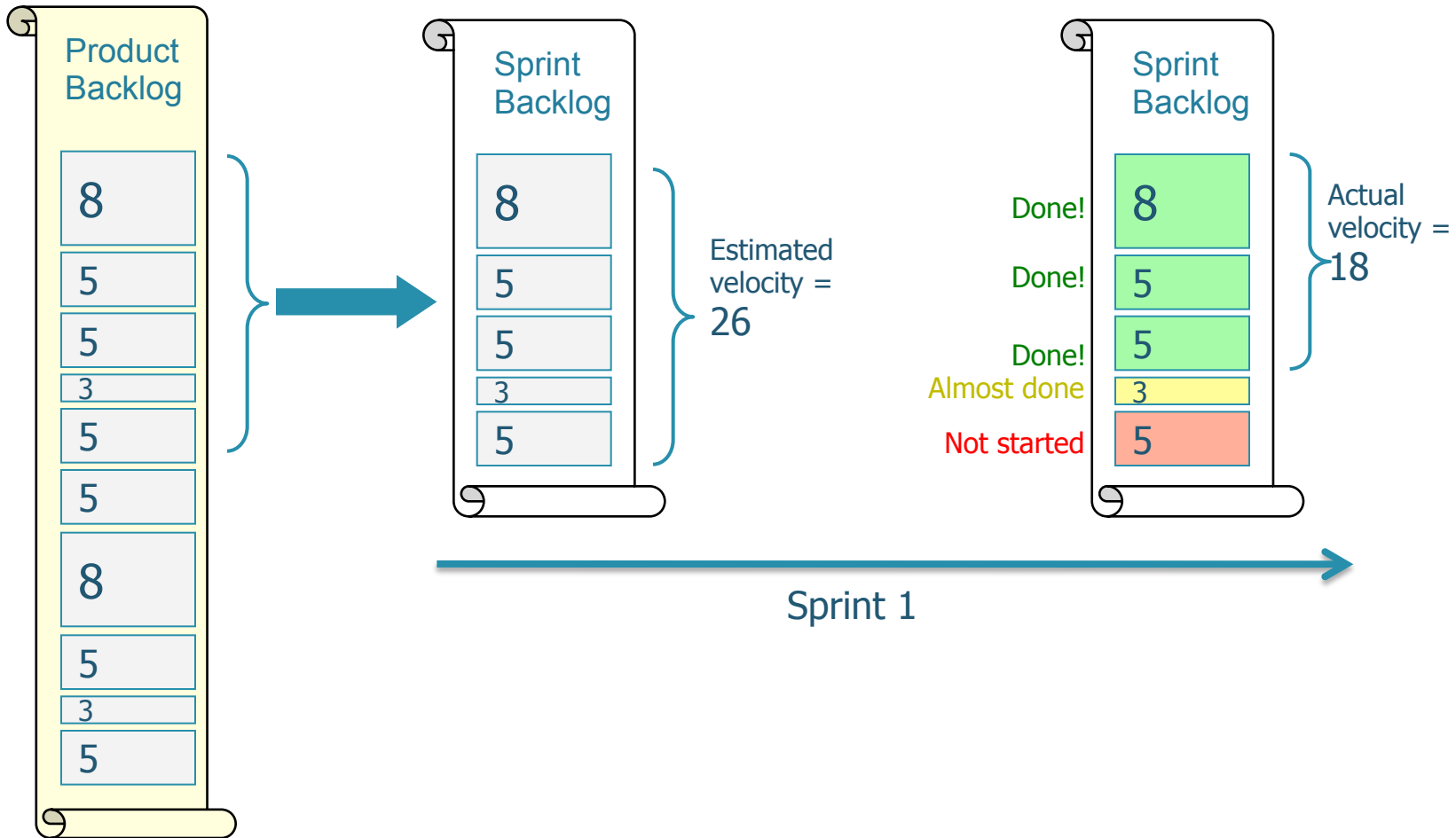
Responding to change over **following a plan**

That is, while there is value in the items on the right, we value the items on the left more.

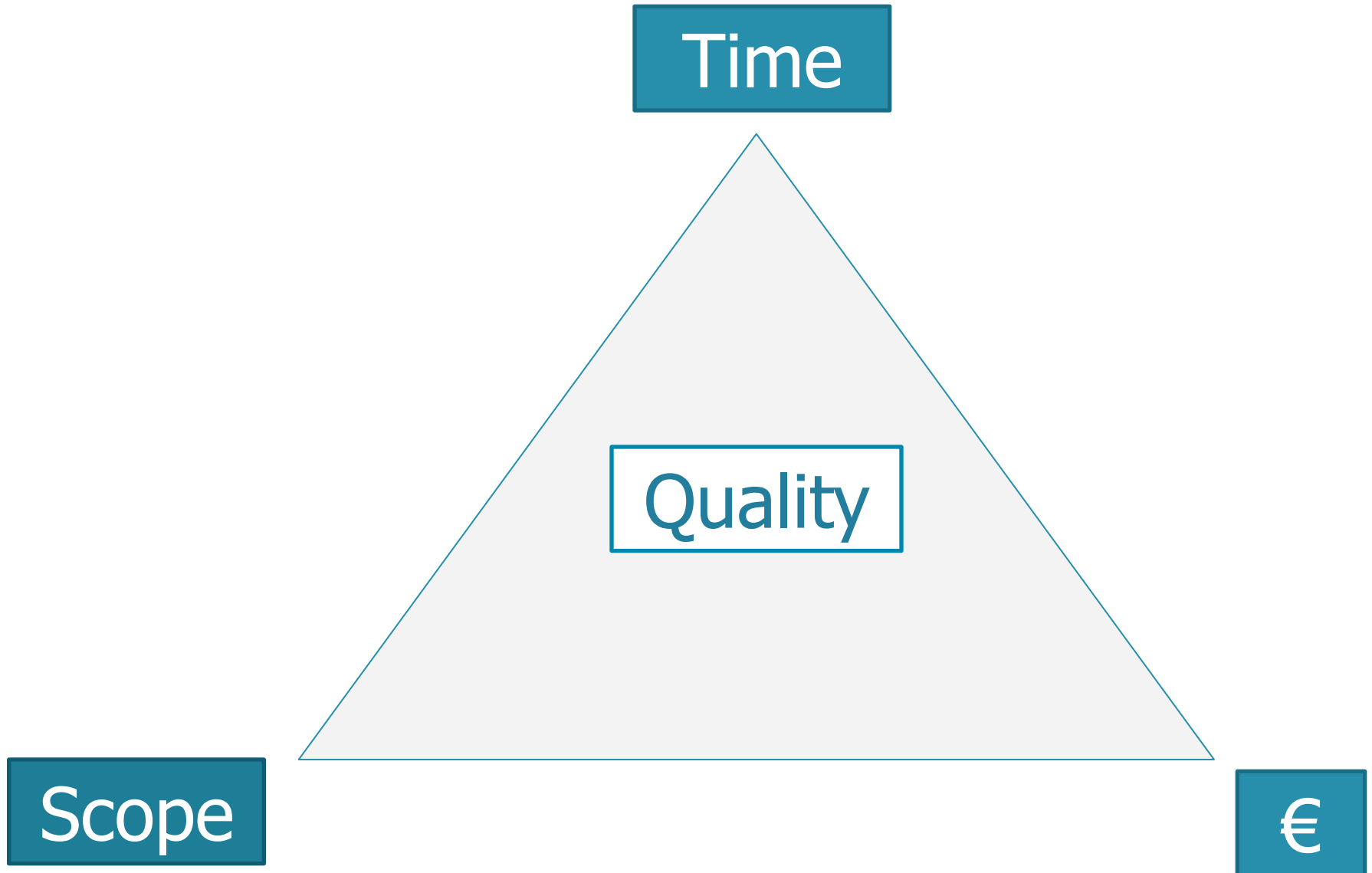
Measuring velocity

Beginning of sprint 1

End of sprint 1



Dimensions of a project



Release planning – fixed time

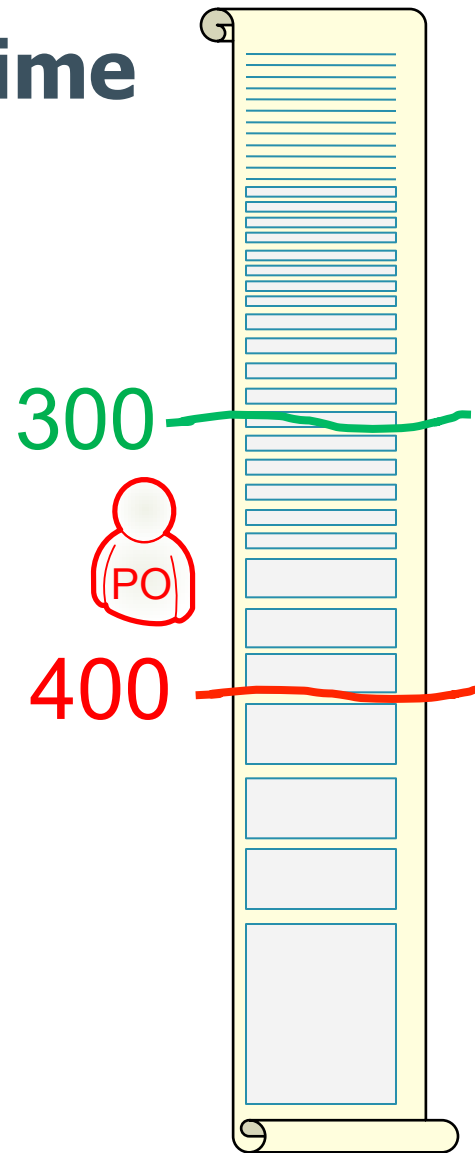
- Today is Aug 6
- Sprint length = 2 weeks
- Velocity = 30 - 40

What will be done
by X-mas?

(10 sprints)

Release planning – fixed €

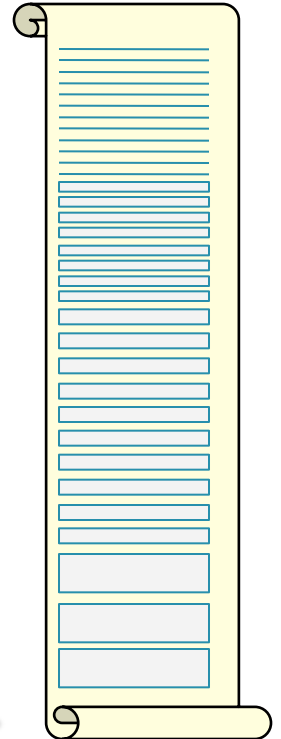
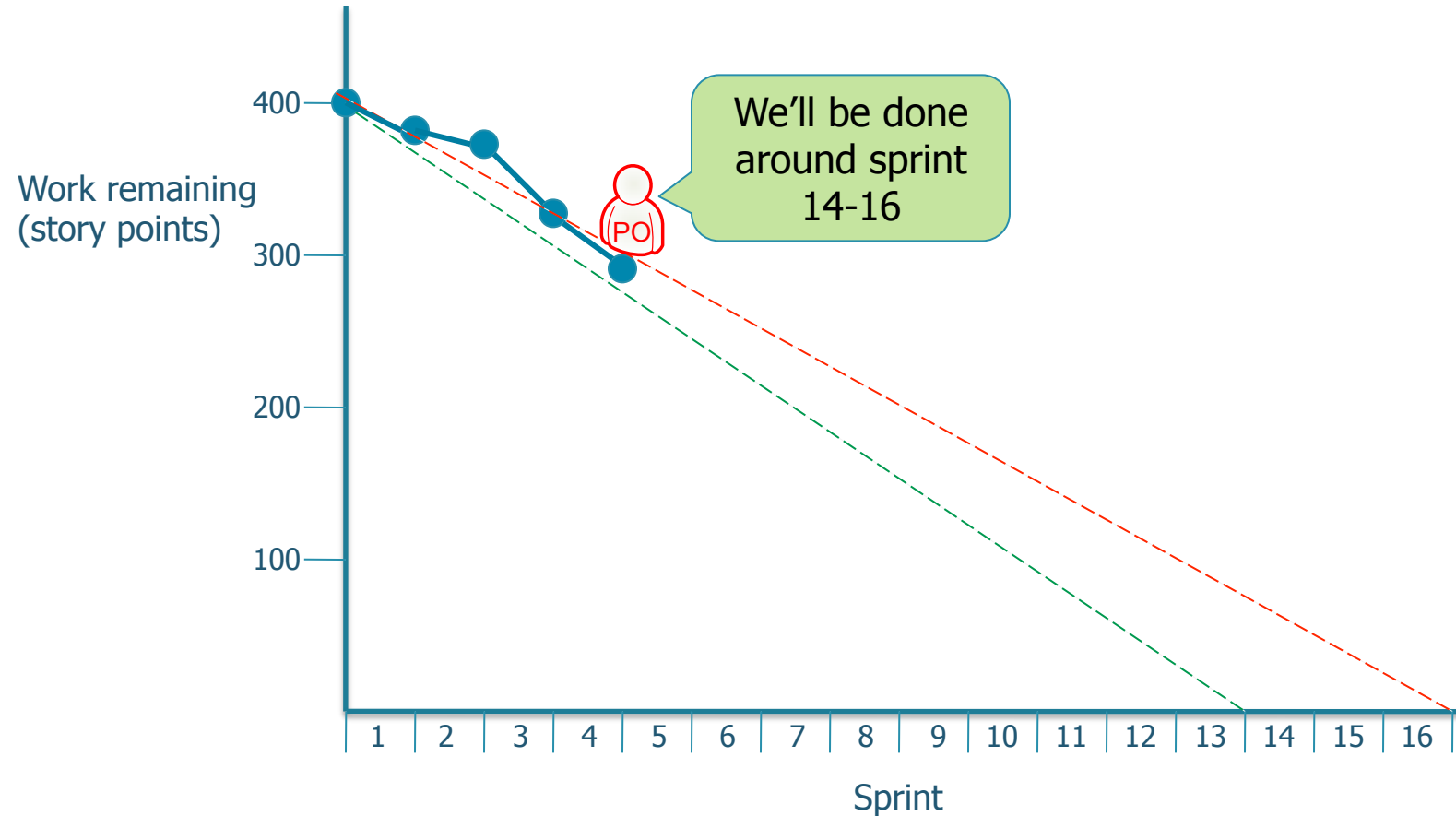
- budget = 150.000 EUR
- Cost of a 2 weeks sprint = 15.000 EUR
- We can afford 10 sprints
- Same thinking as fixed time



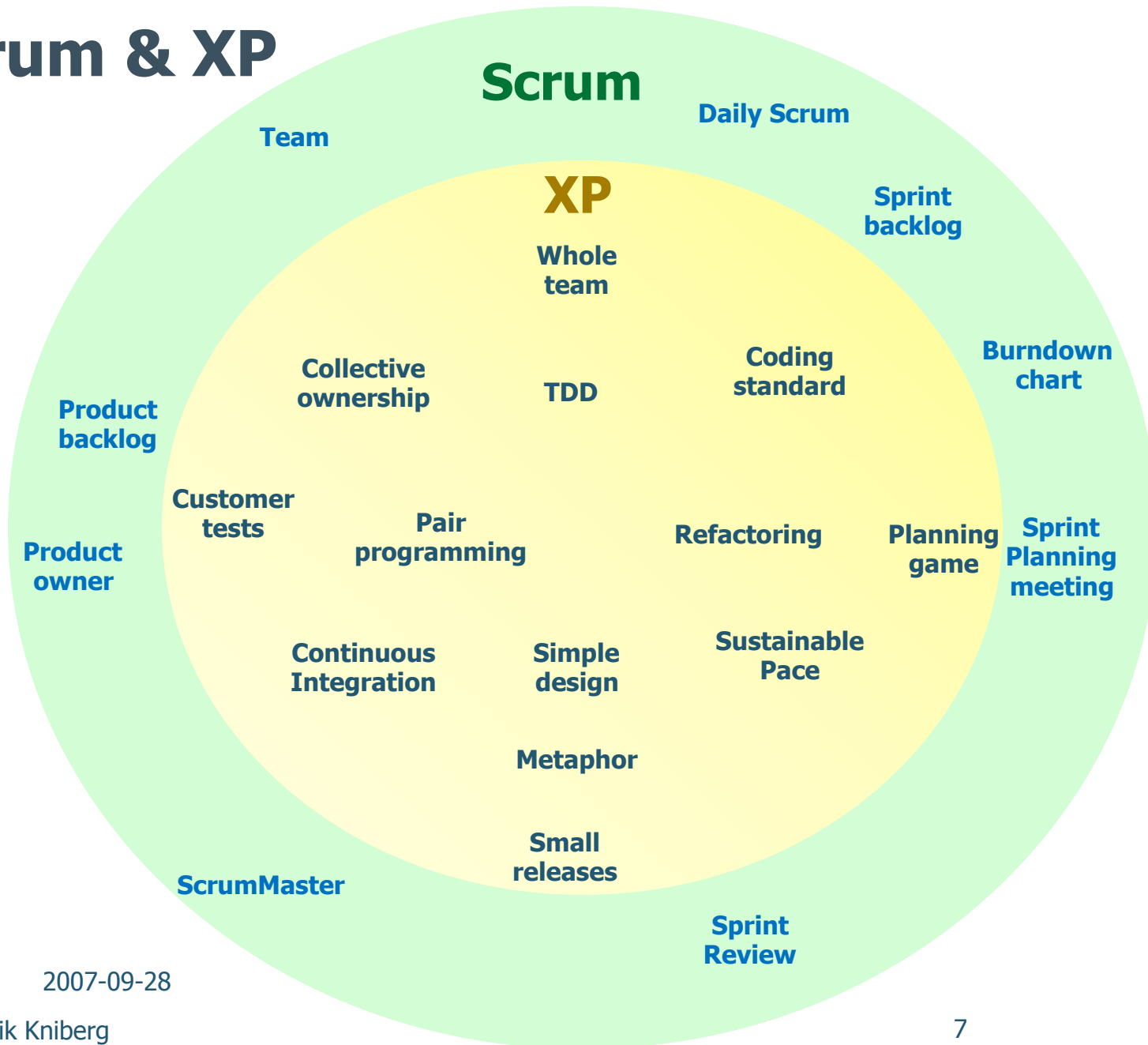
Release planning – fixed scope

When will all of this be done?

Release burndown chart



Scrum & XP



2007-09-28

Feedback loops



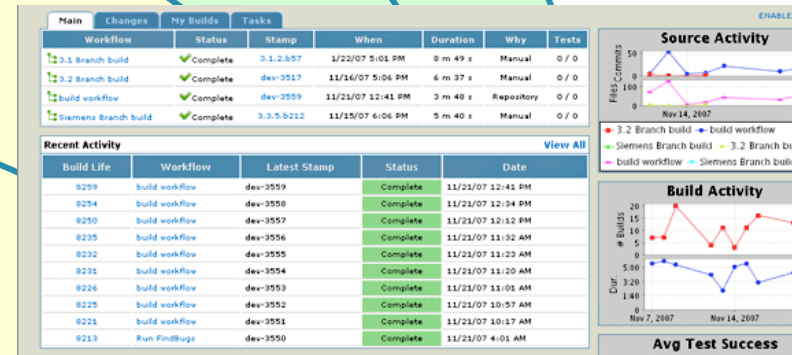
Sprint review



Daily Scrum



Continuous integration



Unit test

Pair programming



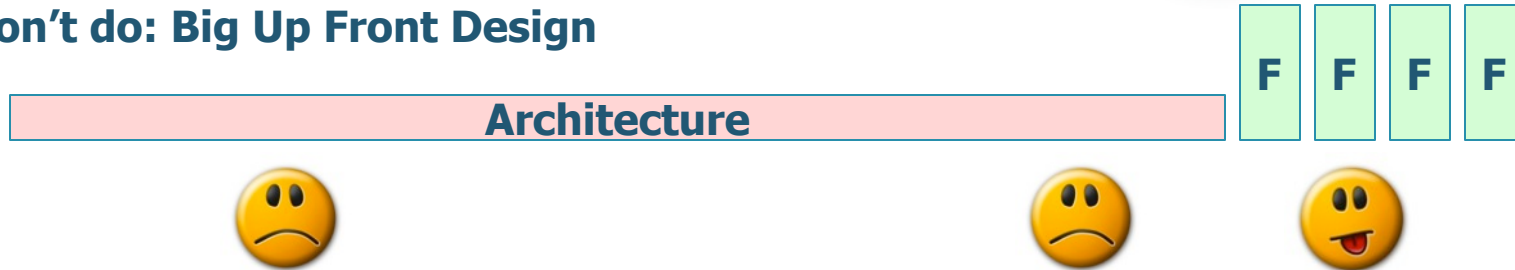
Agile architecture



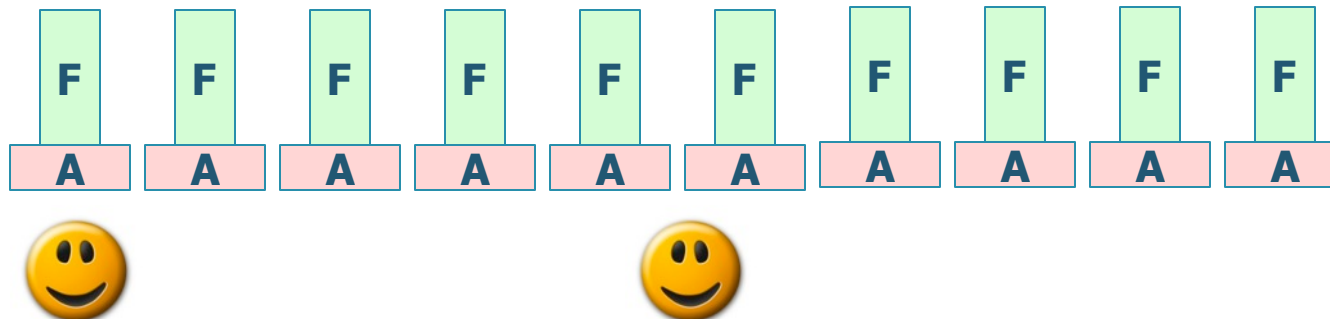
Don't do: Quick 'n dirty features => Slow 'n dirty => Entropy death? Big bang rewrite?



Don't do: Big Up Front Design



Do: Find a balance



Clean & simple code

Simple code:

1. Passes all tests
2. No duplication
3. Readable
4. Minimal

Simple is hard!

~~Code is an asset~~
All code is cost!
Some code is value.

```
public class Dog {
    private final String name;
    private int woofCount = 0;

    public Dog(String name) {
        this.name = name;
    }

    public void woof() {
        ++woofCount;
    }
}
```



```
import java.sql.Connection;
import java.util.concurrent.ExecutorService;
import java.util.concurrent.Executors;

public class Dog {
    private ExecutorService executor = Executors.newFixedThreadPool(18);
    private int CACHE_SIZE = 50;

    public Dog() {
        try {
            Class.forName("oracle.jdbc.ThinDriver");
            connection = DriverManager.getConnection("jdbc:oracle:thin:@prod", "admin", "beefhead");
            statement = connection.prepareStatement("insert into Dog values (?, ?, ?)");
        } catch (ClassNotFoundException e) {}

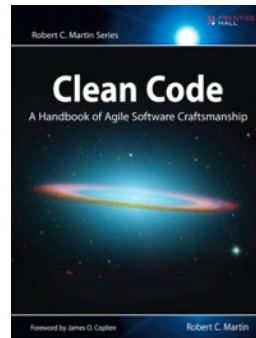
        new Thread().start();
    }

    public void woof(Person woofCaller) {
        Connection connection = null;
        PreparedStatement statement = null;
        try {
            connection = DriverManager.getConnection("jdbc:oracle:thin:@prod", "admin", "beefhead");
            statement = connection.prepareStatement("insert into Dog values (?, ?, ?)");
            statement.setLong(1, System.currentTimeMillis());
            statement.setString(2, person.getName());
            statement.setString(3, person.getPhoneNumber().getNumber());
            statement.executeUpdate();
        }
        Connection a = DriverManager.getConnection("jdbc:oracle:thin:@prod", "admin", "beefhead");
        b = a.prepareStatement("select * from Dog where name = '" + name + "'");
        c = b.executeQuery();
        if (c.next()) {
            String foundName = c.getString("name");
            PhoneNumber phoneNumber = new PhoneNumber(c.getString("woofCount"));
            Person person = new Person(foundName, phoneNumber);
            return person;
        } else {
            return new Person("", null);
        }

        catch (SQLException e) {
            return null;
        }
        catch (IllegalArgumentException x) {
            throw x;
        }
    }
}
```



Embrace
Change!



```
All() {
    rManager.getConnection("jdbc:oracle:thin:@prod", "admin", "beefhead");
    tion.prepareStatement("insert into Dog values (?, ?, ?)");
    1, System.currentTimeMillis());
}

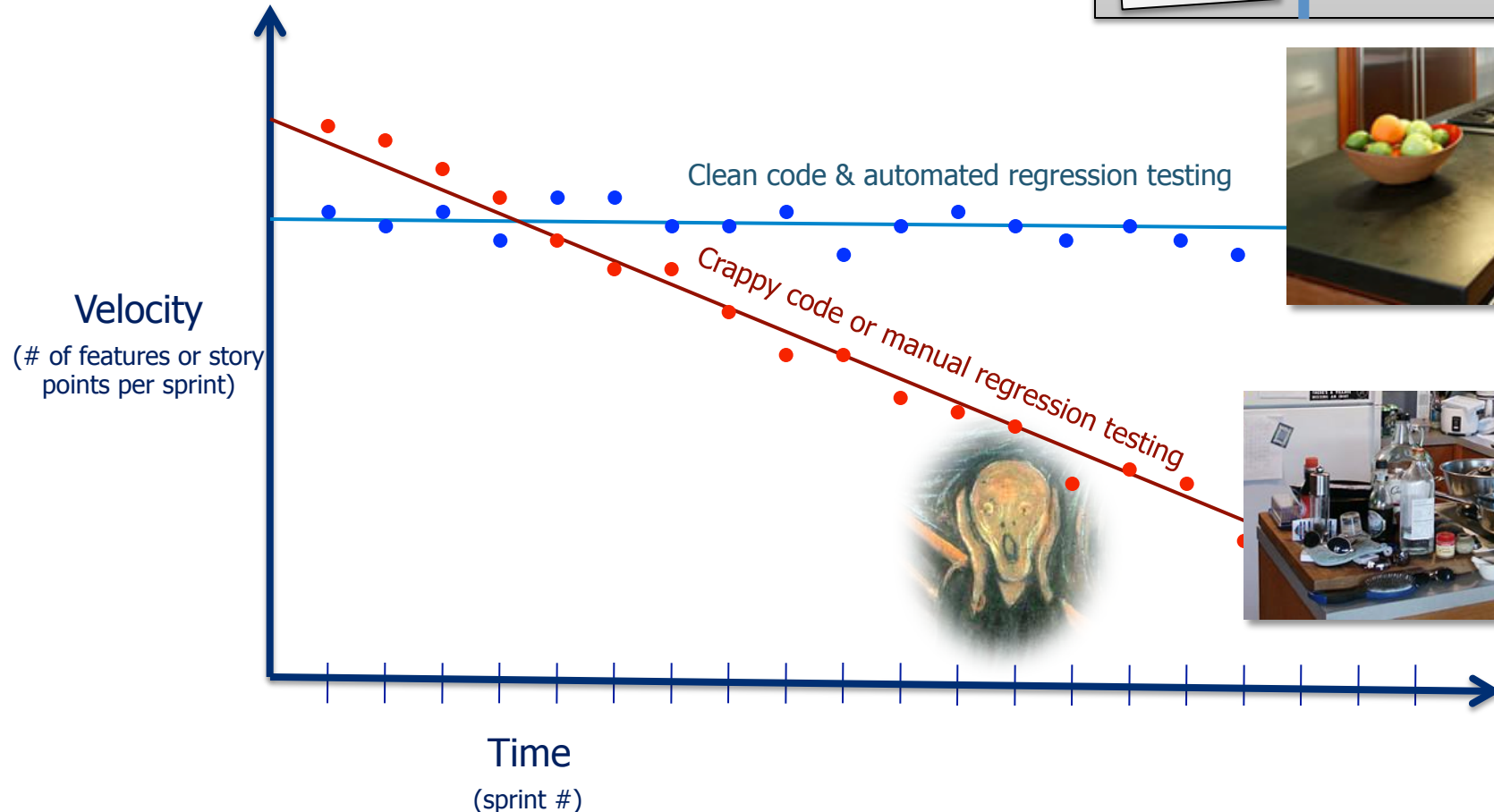
tString("name");
umber = new PhoneNumber(c.getString("woofCount"));
w Person(foundName, phoneNumber);
}
```

Robert C Martin (Uncle Bob)

Kent Beck
Henrik Kniberg

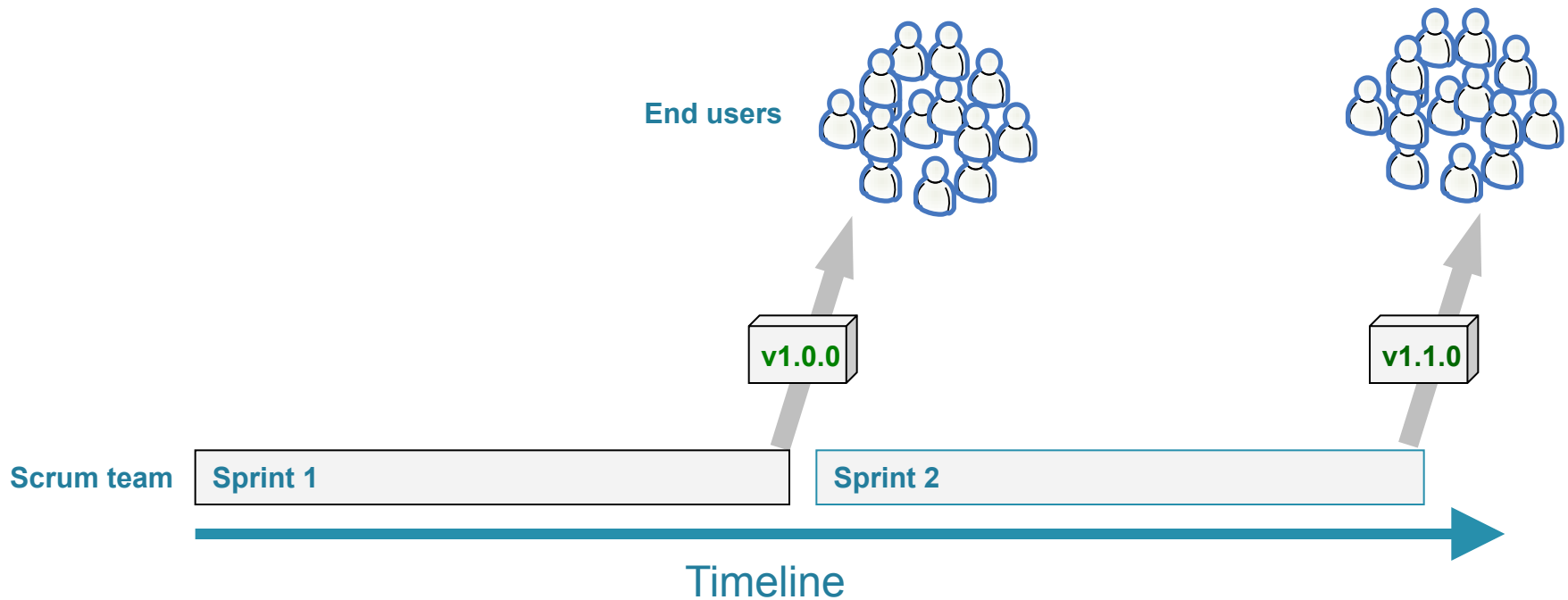
"Done" includes clean code & regression testing

To do	Doing	Done
Withdraw Transfer	Deposit	Register



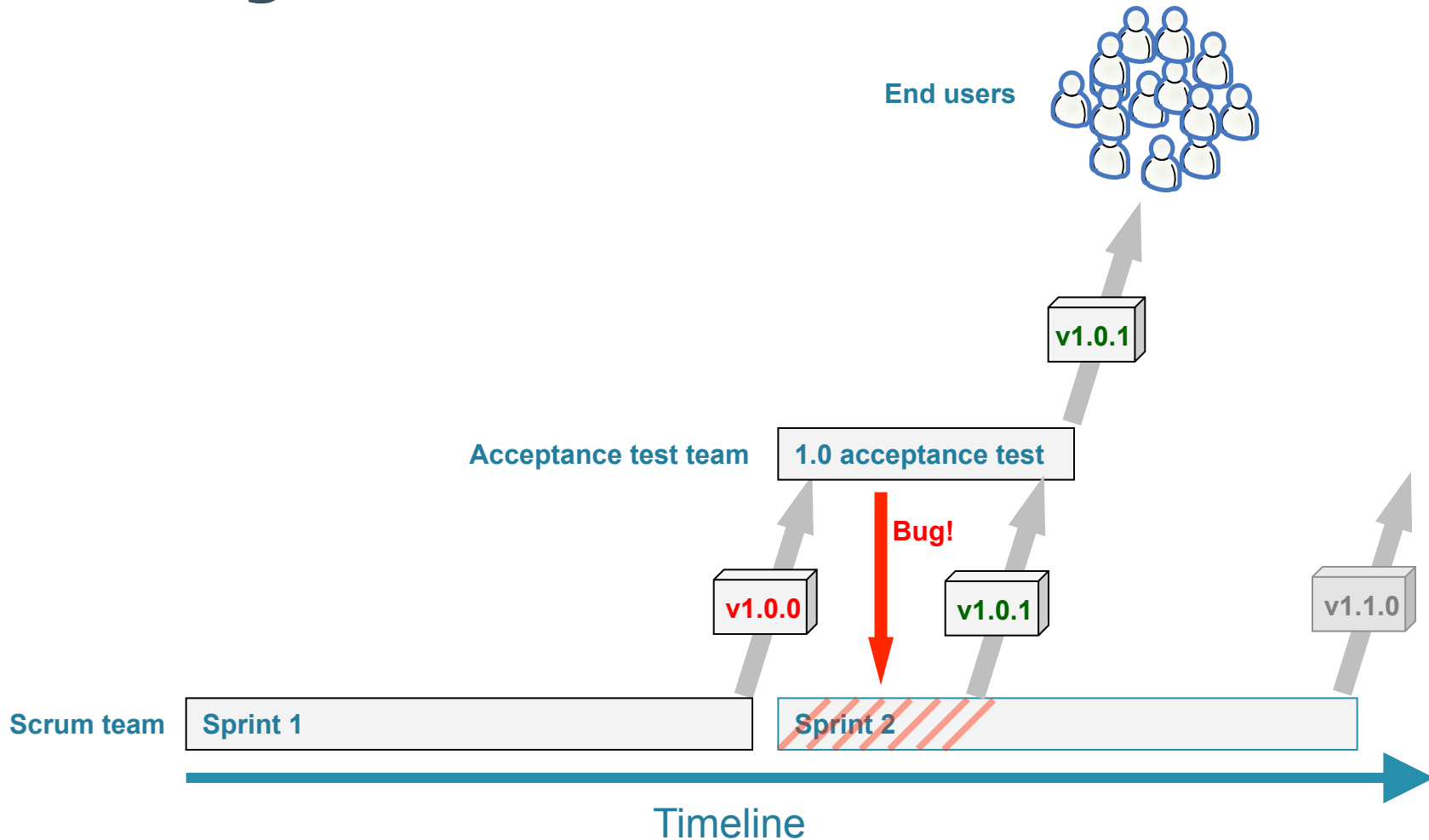
Testing

Testing – ideal case



23/06/16

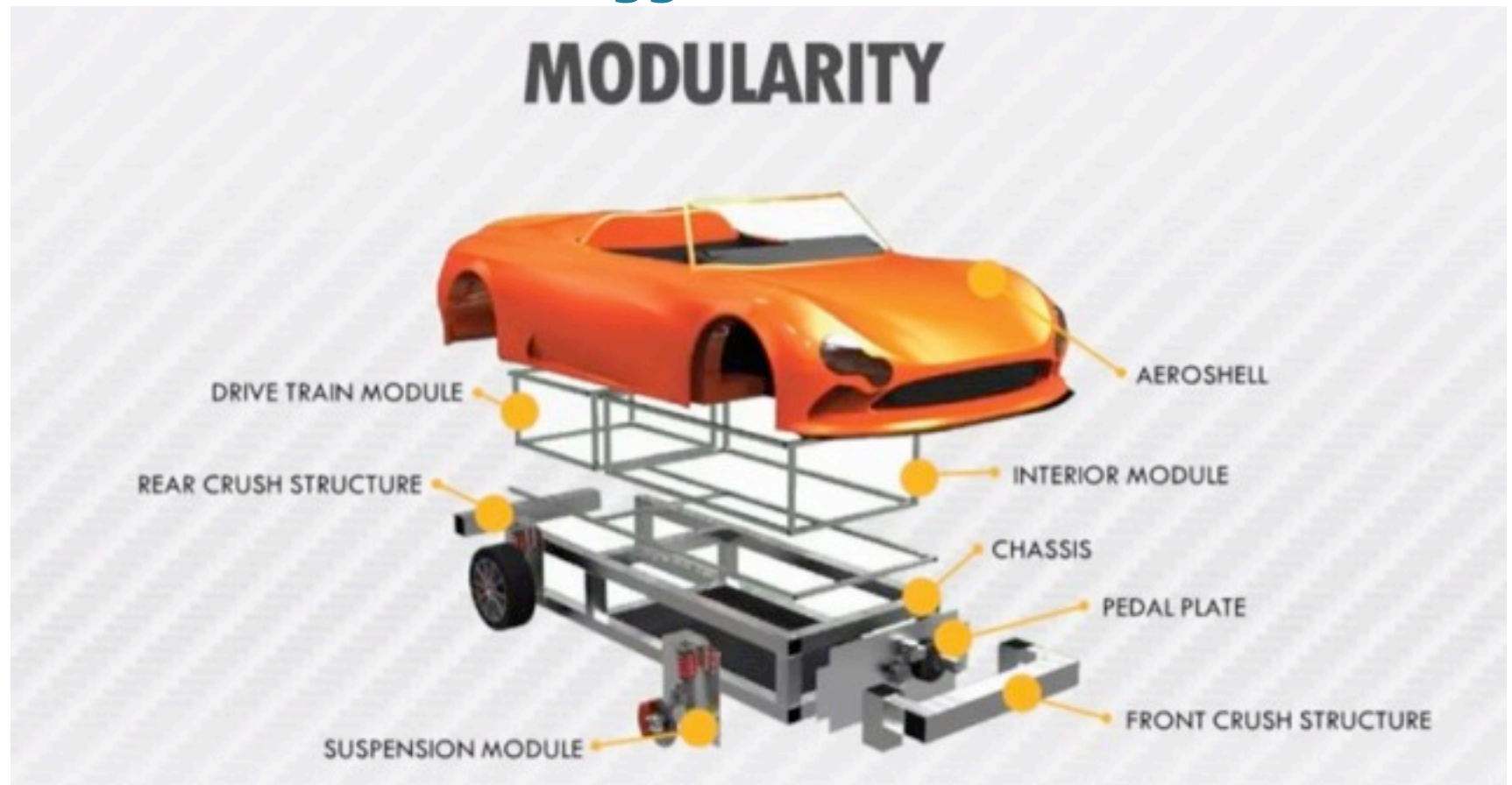
Testing – common alternative



23/06/16

Créer une voiture avec Scrum

- <http://ouishare.net/fr/2013/05/wikispeed-revolution-industrielle-open-source/#.UZnvi95hvNh.blogger>



Sources

- **The Essence of Agile (Keynote by Henrik Kniberg)**
- **<http://agileatlas.org/atlas/scrum>**