

# **Experience Report: Using Agile in StratusLab**

EGI Technical Forum Lyon, 20 September 2011 Marc-Elian Bégin

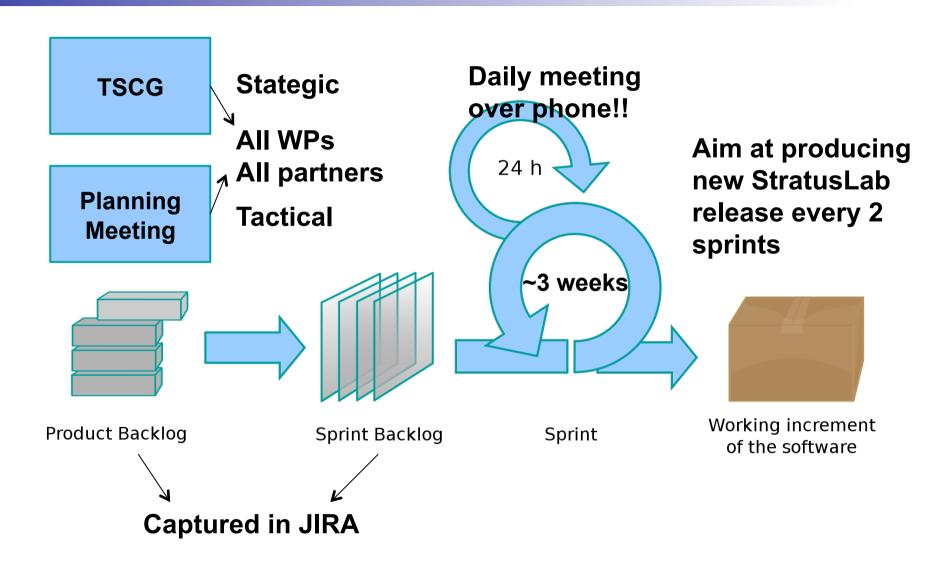


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# **Scrum in StratusLab**





# **Benefits from Agile and Scrum**



# Incremental development

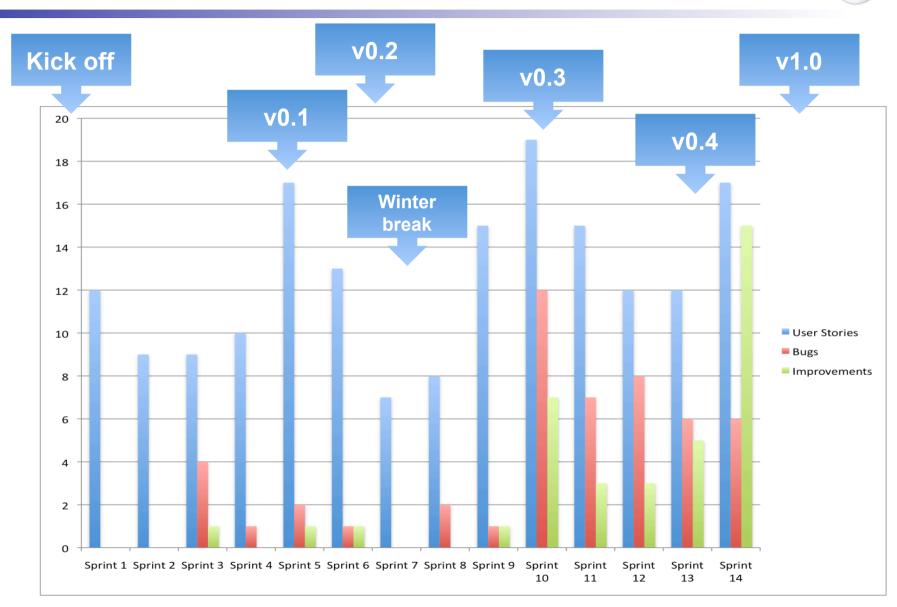
- Generate early and regular feedback
- Improve robustness through each sprint
- Validate assumptions with real implementation

# **Prioritised functionality**

- Skills across all activities and all partners maximised at every sprint
- Ability to react to opportunities and changes by steering incremental development
- Reduce integration and configuration risk with continuous integration and deployment

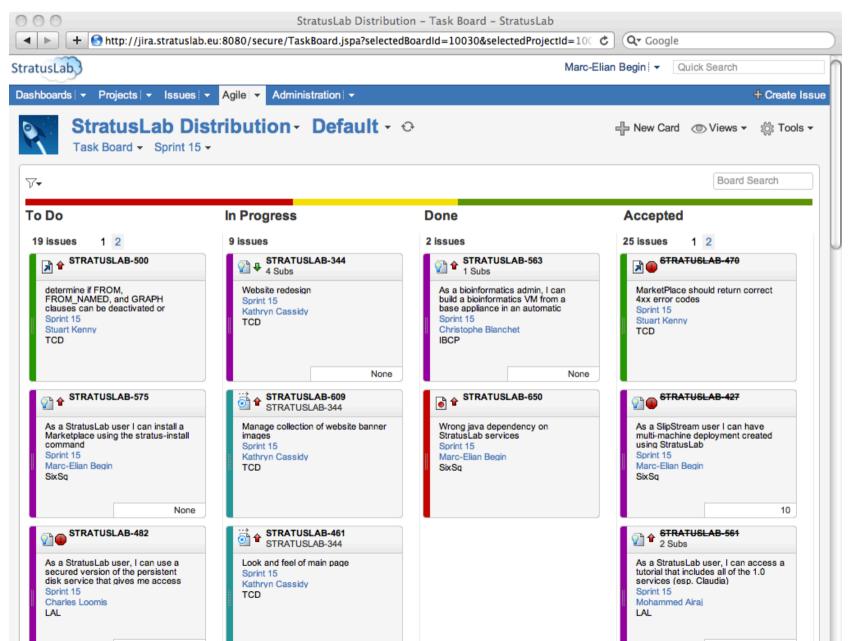
# **Sprint Highlights – done!**





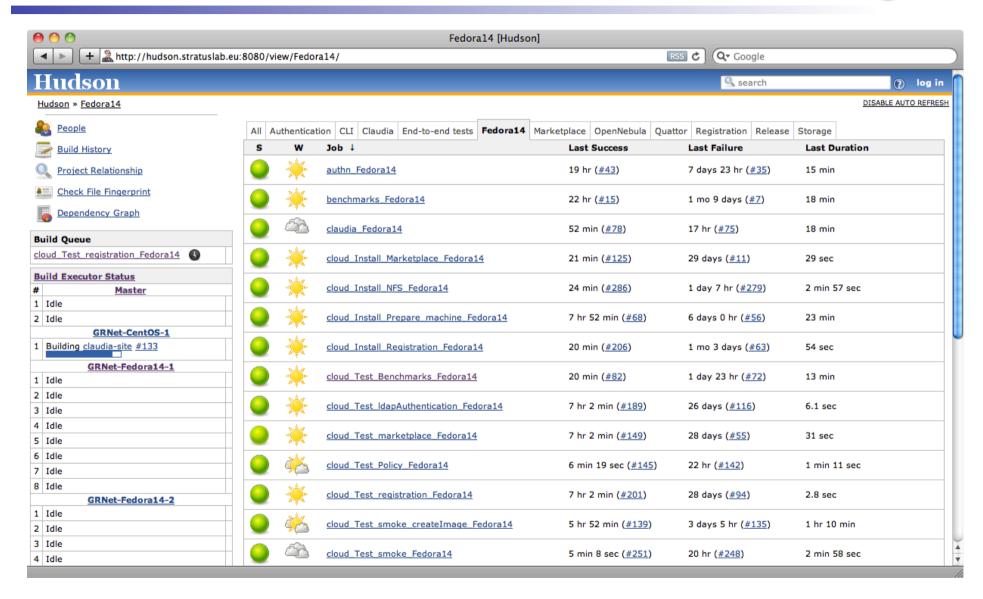
### **JIRA Task Board**





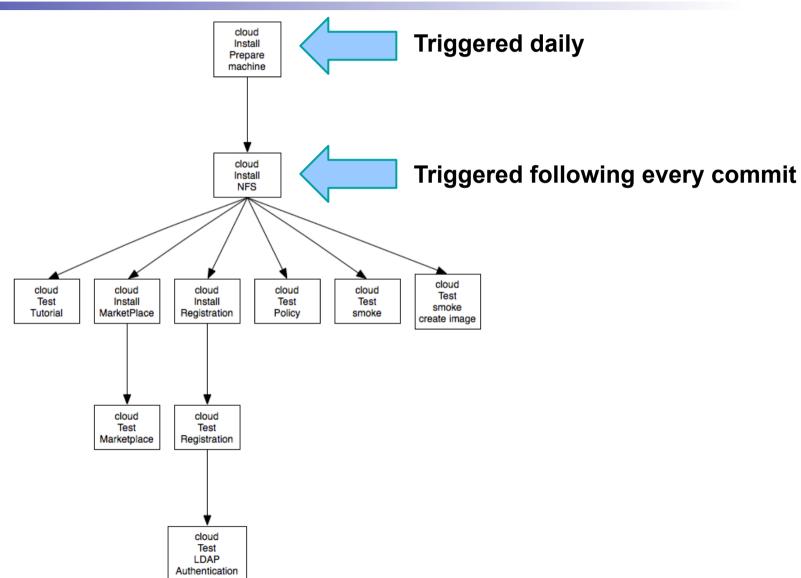
#### **Hudson in action**





# **Hudson jobs – continuous testing**





# **Metrics**



# Scrum metrics include work from all partners and WPs

- Steady sprint rate
- Steady implementation of work items

Metric	Q2	Q3	Q4
No. of completed sprints	5	5	4
No. of releases	1	1	1
No. of open user stories	38	72	101
No. of implemented user stories	69	40	67
No. of open bugs	6	15	22
No. of fixed bugs	7	11	27

Note: no target defined

# **Challenges - Continuous release**



#### Issue

- Production releases sometimes difficult with interrupted production service
- Documentation is sometimes lagging behind features

### Improvements needed

- Shift more effort in automating upgrades
- Release more often, such that each upgrade is smaller and better understood
- Improve further our definition of 'DONE' by adding documentation update

# **Challenges – Estimates and update**



#### Issues

- Poor at providing estimates, based on points
- Poor at regularly updating the progress of tasks and user stories
- Poor burn-down chart

# Improvements needed

- Encourage providing effort estimates
- Encourage, via daily stand-up, update of tasks and user stories status

# Conclusion



#### **Pros**

- Transparency of project activities and progress
- Continuous software production, with 3 weeks cycle length
- Fast and organised response to change
- Coherent and cohesive teams, pulling together

#### "Cons"?

- Requires demanding and intense involvement
- Works with (mostly) dedicated people



# Questions?

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