



CELTIC-NEXT Event

20th June 2019, Valencia



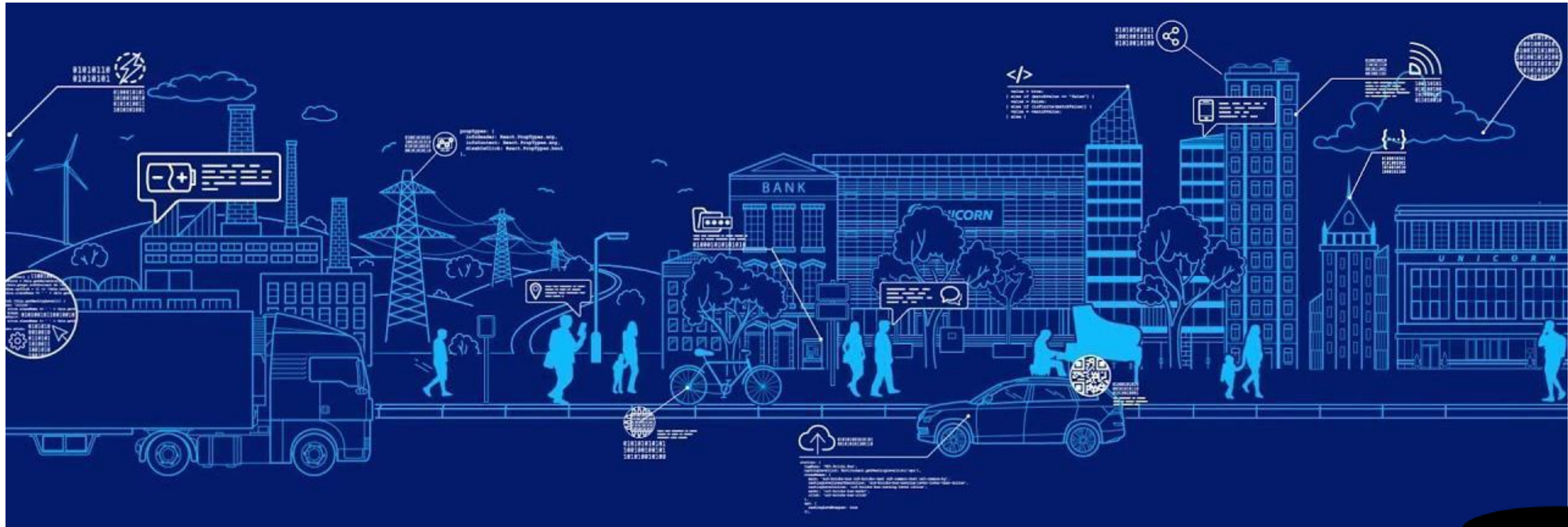
Pitch of the Project Proposal

Repairnator



Frédéric Loiret (KTH)
loiret@kth.se

Software is Everywhere!



Average costs of simple bugs
400 EUR per bug



Benefits



Costs reduced



Productivity increased



Not disrupting the existing



flows



Deployed “on the Cloud”

Faster than Humans



*Community-Building Based
on Open Innovation*

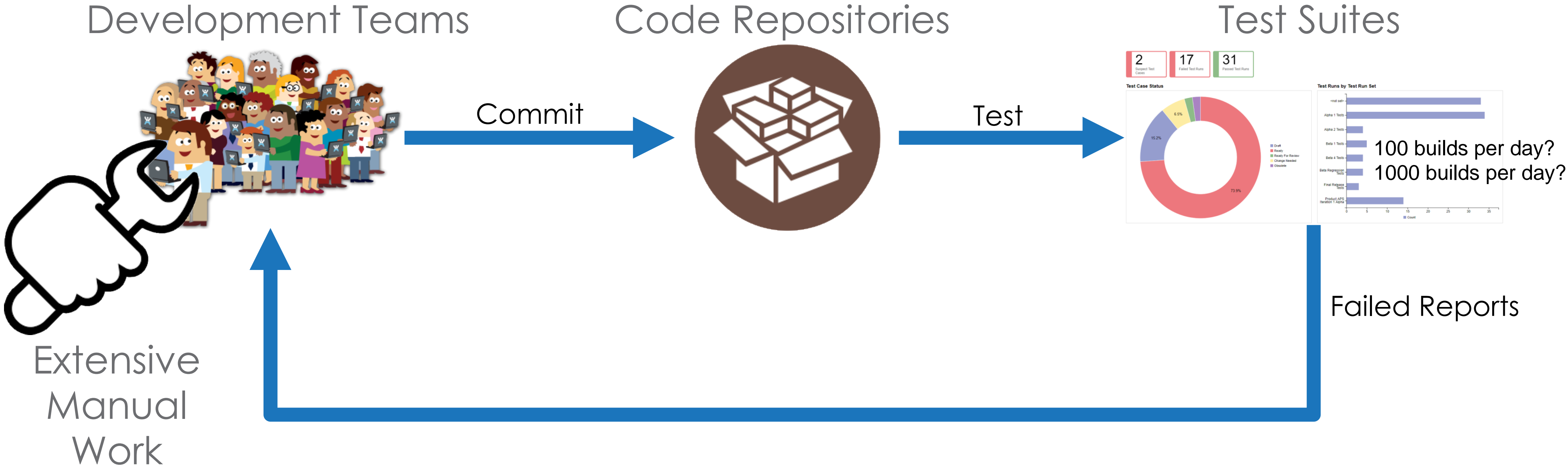
Organisation Profile



KTH
Technical
University
based in
Stockholm



Current State of Practise



A New Approach

Automatic Bug Fixing in the Loop

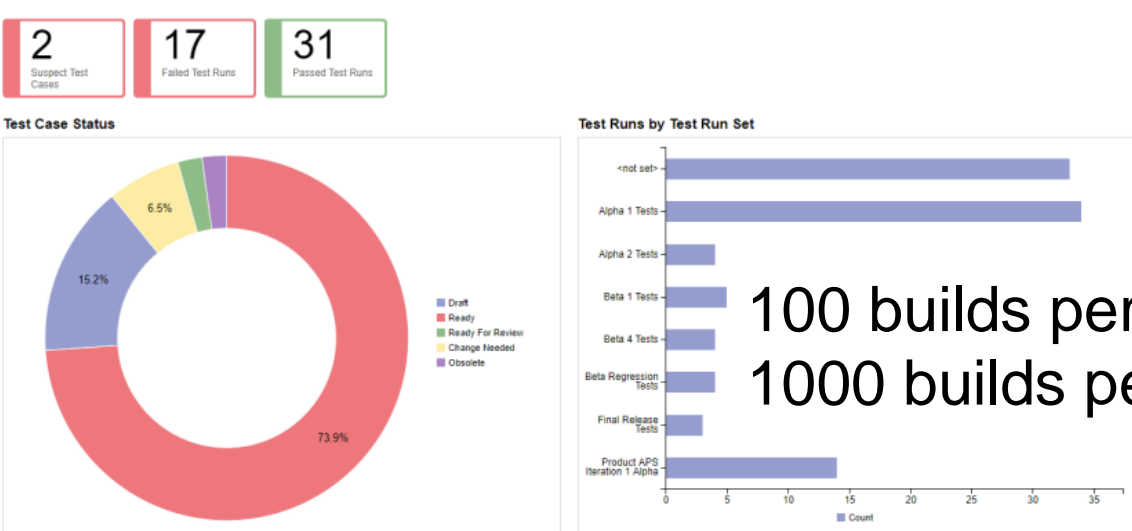
Development Teams



Code Repositories



Test Suites



Commit

Test

Patches to Upload

Failed Reports

"Repairator is AI for CI"

Patches to Review

Proposal Introduction

Technical Outcomes

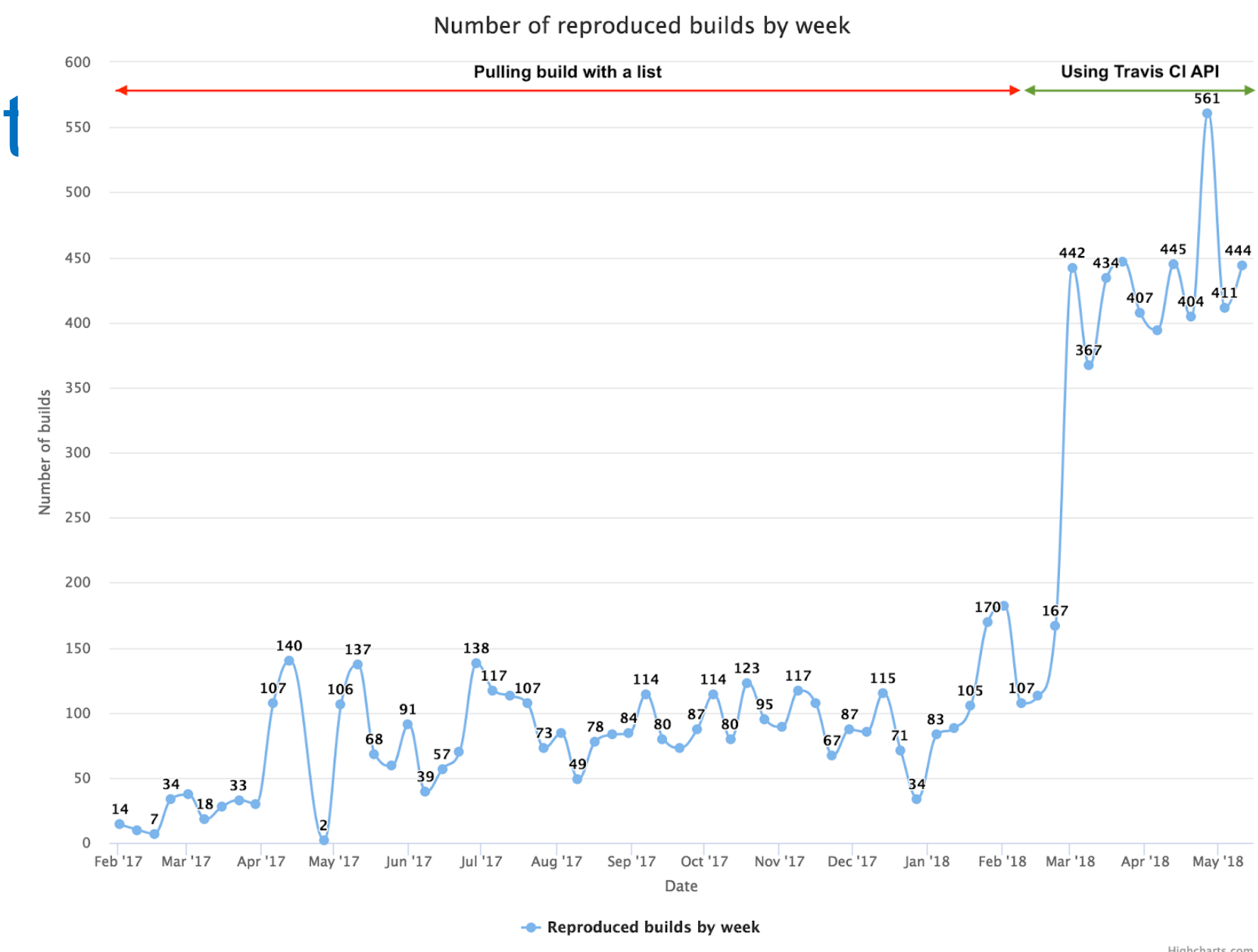
- Extension of the existing framework with a broad spectrum of bug fixing capabilities in the CI loop
- First TRL 6 prototypes on industrial data set

Community-building

- Open Innovation @Eclipse?

Potential strong business opportunities

36 months project proposal



Partners (preliminary)



Sweden

Ericsson
SAAB
KTH



Spain

ATOS
(Source.d)



Canada

(Ericsson)
Concordia University

We are primarily looking for large end-users willing to experiment our approach on their industrial software development processes

Contact Info

For more information and for interest to participate please contact:

Frédéric Loiret
loiret@kth.se
Stockholm

www.castor.kth.se
<http://tinyurl.com/IAmRepairnator>



Presentation available via:

