

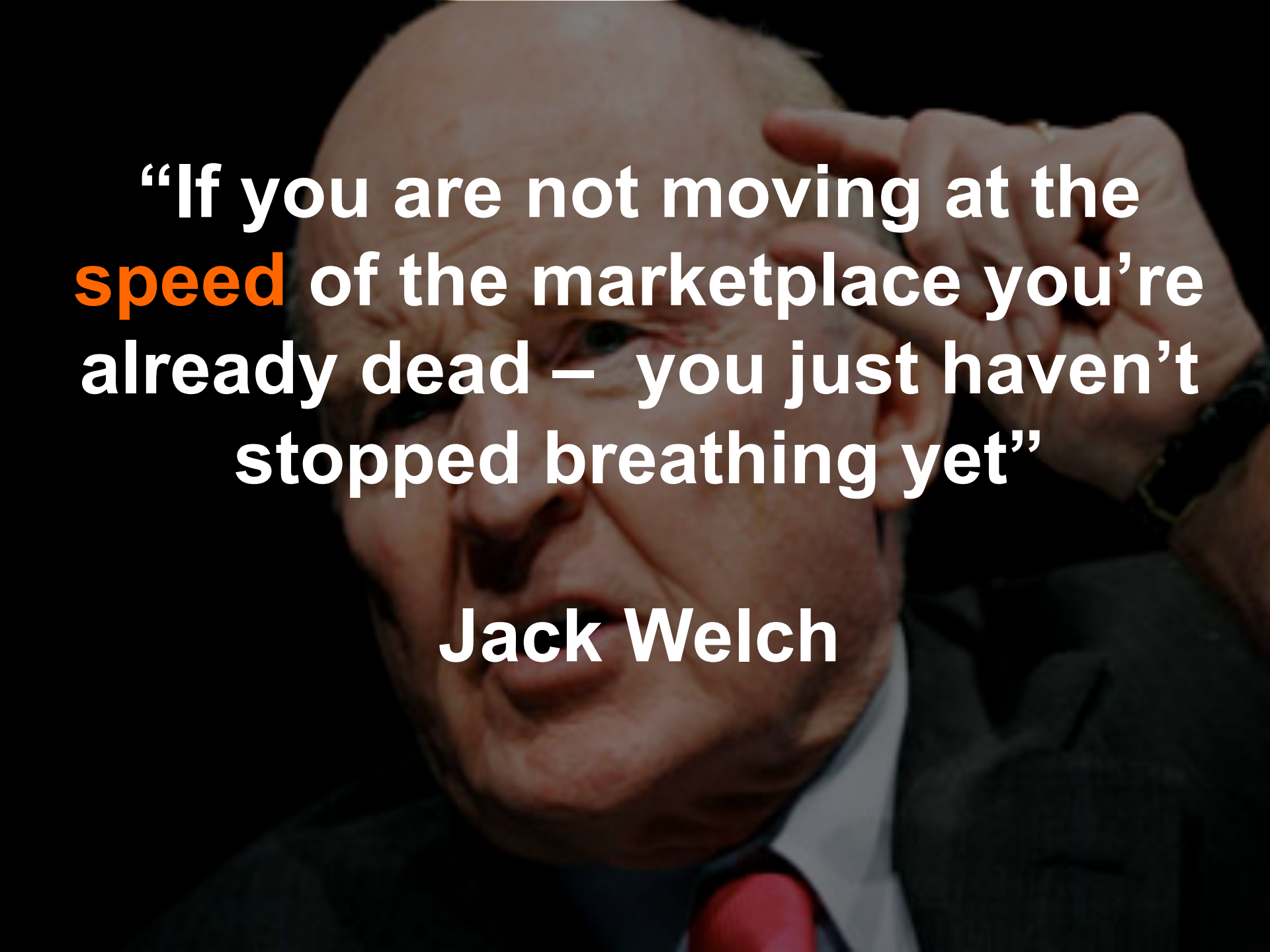
2nd Workshop on Rapid Continuous Software Engineering (RCoSE)

Introduction

Matthias Tichy, Jan Bosch, Michael Goedicke, and
Brian Fitzgerald

Current State

- Fast-Changing and unpredictable markets, complex and changing customer requirements, pressure of time-to-market

A close-up photograph of Jack Welch, an older man with a balding head, wearing a dark suit, white shirt, and red tie. He is pointing his right index finger directly at the camera with a serious expression. The background is dark and out of focus.

“If you are not moving at the **speed** of the marketplace you’re already dead – you just haven’t stopped breathing yet”

Jack Welch

Current State

- Fast-Changing and unpredictable markets, complex and changing customer requirements, pressure of time-to-market
- Long-Term Goal:
Develop, release and learn from software in rapid parallel cycles, typically hours, days or very small numbers of weeks
- Agile processes are part of the solution, but parts are still missing:
 - Adaption of the technology for all different phases of engineering to support for parallel engineering of software
 - Change of the whole development organization (not only on a team level in the development phase)
 - Support for live experimentation (to quickly learn from customers)

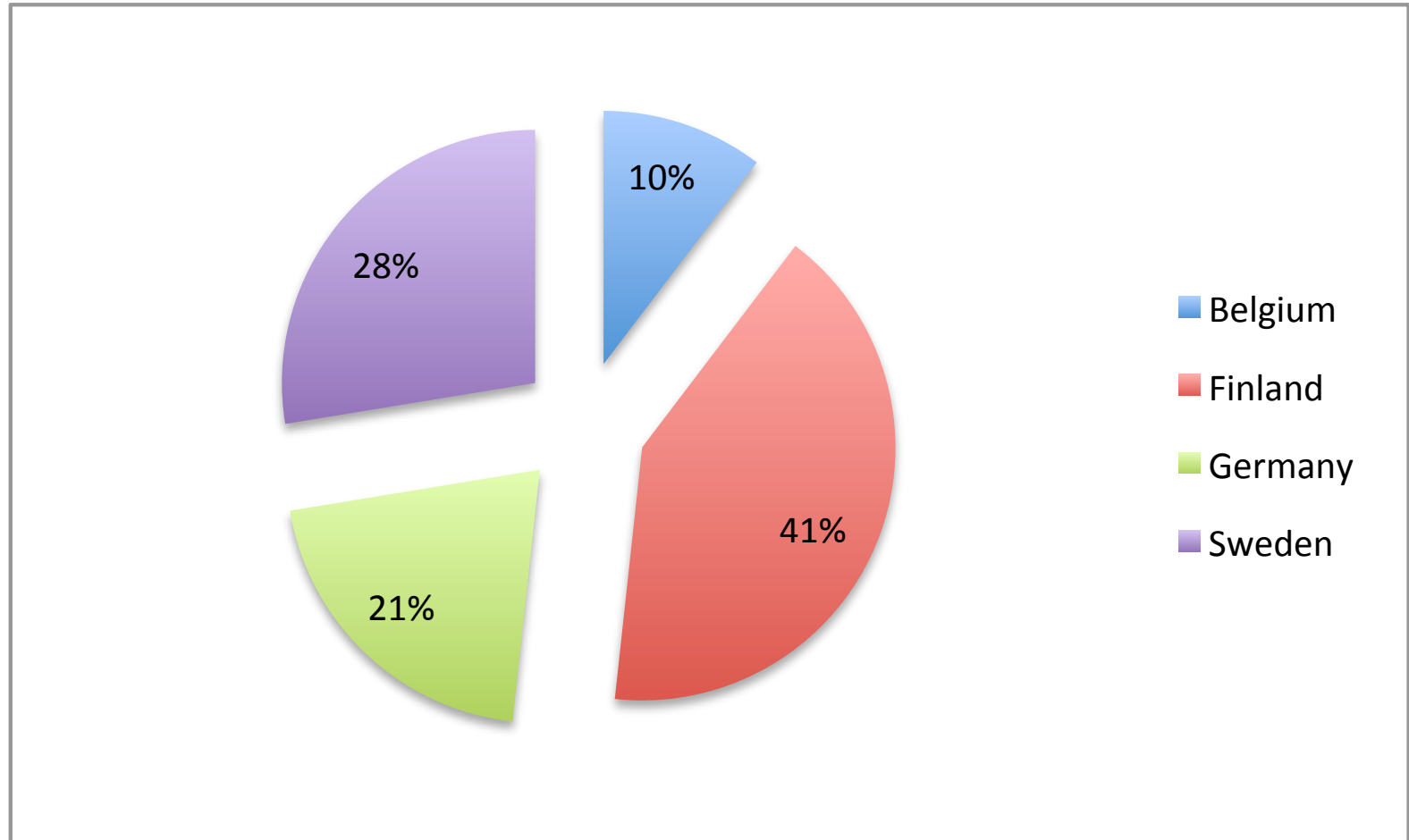
RCoSE

- Aims of the workshop:
 - bring the research communities of the aforementioned areas together to exchange challenges, ideas, and solutions for continuous software engineering
- Relevant topics:
 - agile practices
 - relations between agile practices and the specific development phases
 - organizational aspects of agile processes
 - tools supporting continuous software engineering
 - application / system monitoring
 - live and automatic experimentation and quick feedback of experimental results
 - usability / human computer interaction
 - software evolution
 - software maintainance

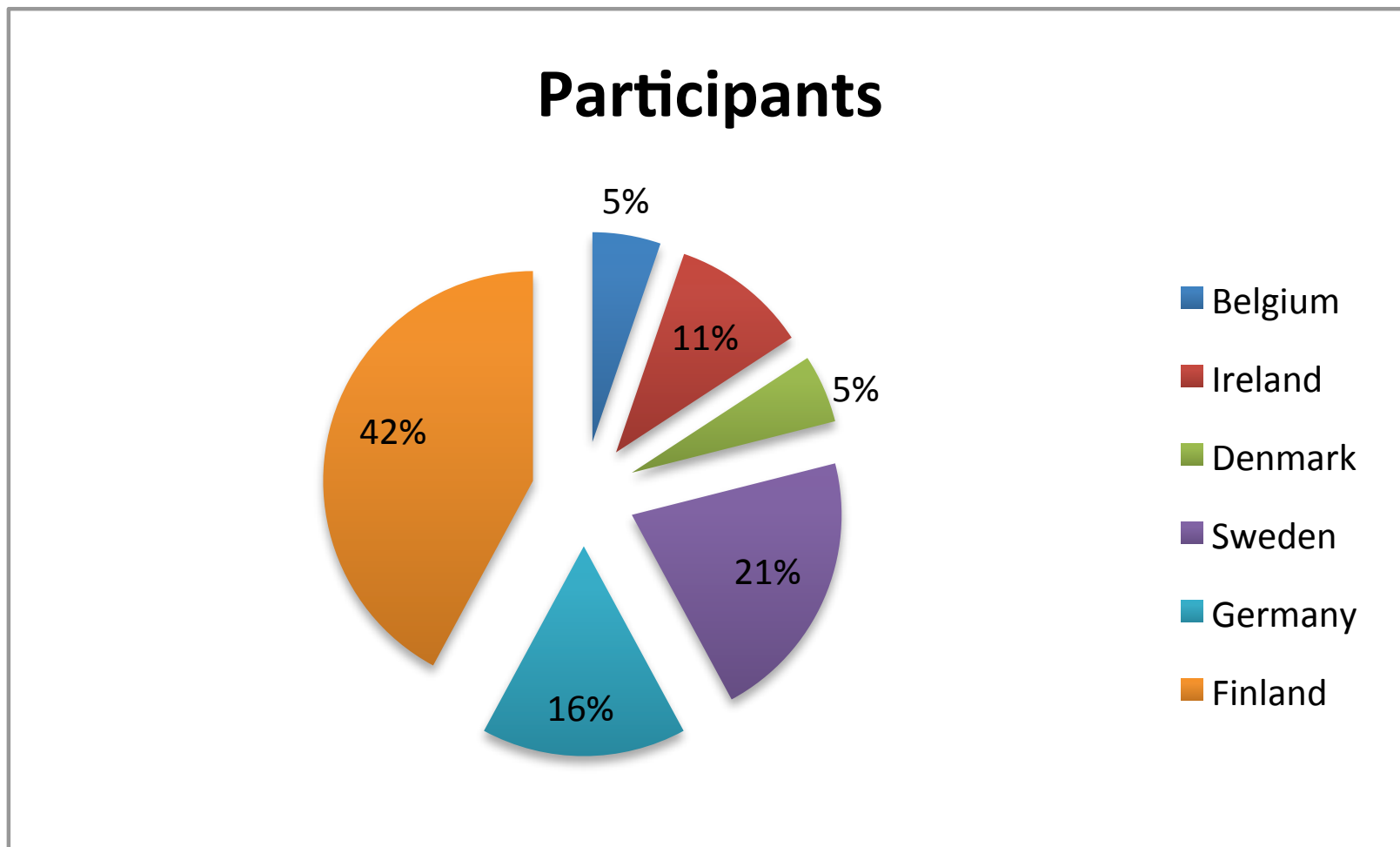
Key Numbers

- Submissions: 10 papers from 4 countries (down from 16 last year)
- PC members: 13 (2 additional external reviewers)
- Reviews: 30 (3 reviews per paper)
- Accepted papers: 8 papers from 3 countries
- Acceptance rate: 0.80% (up from 0.53% from last year)
- Two submissions invited for presentation

Distribution of Authors



Distribution of Participants



Special Issue from RCoSE 2014

- Submissions: 16 (4 extended papers from RCoSE 14)
- Decisions
 - Reject: 2
 - Revise: 4
 - In-Review: 10 (including 1 in 2nd round of review)
- Very difficult to get reviewers
- Remaining decisions should be out before midsommar
- Another special issue at JSS for RCoSE 2015

Program overview

- Three sessions on:
 - Technology Aspects (4 papers) (Chair: Jan Bosch)
 - Process Aspects (3 papers) (Chair: Brian Fitzgerald)
 - Continuous * (3 papers) (Chair: Michael Goedicke)
- Lively interactions
- Discussion time on Challenges & Future Research Directions