

# Preface RE4SuSy: 8th International Workshop on Requirements Engineering for Sustainable Systems

Ruzanna Chitchyan  
University of Bristol  
Bristol, UK  
r.chitchyan@bristol.ac.uk

Birgit Penzenstadler  
Chalmers — Gothenburg University of Technology  
Gothenburg, Sweden  
birgitp@chalmers.se

Colin C. Venters  
University of Huddersfield  
Huddersfield, UK  
c.venters@hud.ac.uk

**Abstract**—The RE4SuSy workshop series has established a strong and growing research community around the different aspects of sustainability and how to support them in requirements engineering.

Since requirements define how and what a software will do, we maintain that requirements engineering is the key point in software engineering through which sustainability can be fostered. Thus, the RE4SuSy workshop series is concerned with research on techniques, tools, and processes for sustainability through requirements engineering.

Last year the workshop spanned a series of application domains and the discussion centered on the challenge of growing the research community and the potential steps required to achieve growth. Two main factors identified were the potential connection to empirical investigations on scientific software and the more systematic integration into computer science and software engineering education.

This edition of the RE4SuSy workshop will build on the discussions from last year, and explore further application domains as well as the local perceptions of sustainability in the hosting country. Furthermore, we will pick up the conference theme and explore tackling sustainability challenges through collective intelligence.

RE4SuSy is an interactive workshop: the contributors and prospective participants engage well before the workshop date through on-line collaborative writing, discussion, and peer feedback. We foster community growth by supporting new collaborations, holding preliminary case studies, discussions, and birds-of-a-feather group work.

Software is a main driver for change in business and society, in changing life styles as well as business practices. Since requirements are the starting point for defining software, requirements engineering is the key point in software engineering through which sustainability can be fostered.

This workshop provides an interactive stage for researchers and practitioners to share and exchange their latest work, to collaboratively work on expanding the body of knowledge in RE for sustainable systems, and to jump start new collaborations through the live creation of teams that commit to work together on concrete topics and in-workshop case studies and experiments.

The workshop establishes a community of researchers and practitioners interested in collaborating on the topic of sustainability in requirements engineering. This community expanded and built on the work already initiated in the past editions of this workshop, such as the research agendas and the Karlskrona Manifesto on Sustainability De-

sign ([www.sustainabilitydesign.org](http://www.sustainabilitydesign.org)). The workshop also established a common ground on the key topics of RE for Sustainability.

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We hope you enjoy the workshop and its proceedings.