

# Preface

This volume contains the papers presented at the two CAPS workshops co-located with the Third International Conference on Internet Science (INSCI 2016), namely, the First International Workshop on the Internet for Financial Collective Awareness and Intelligence (IFIN 2016) organized by the CAPS PROFIT project, and the First International Workshop on Internet and Social media for Environmental Monitoring (ISEM 2016) organized by the CAPS HackAIR project.

CAPS stands for Collective Awareness Platforms for Sustainability and Social Innovation, and is an EU initiative aimed at designing and piloting online platforms that create awareness of sustainability problems and offering collaborative solutions based on networks (of people, of ideas, of sensors), enabling new forms of social innovation. In line with this initiative, the PROFIT project is about an online platform that aims at promoting the financial awareness and capability of citizens through financial education, financial forecasting, crowdsourcing, recommendations, and engagement tools, in order to enable them to make more informed personal financial decisions, which from an open democracy perspective could also be conducive to more active forms of participation and citizenship. On a different goal, the HackAIR project aims at the environmental awareness of citizens through the development of an online platform that will enable communities of citizens to easily set up air quality monitoring networks and engage their members in measuring and publishing outdoor air pollution levels, leveraging the power of online social networks, mobile and open hardware technologies, and engagement strategies.

The two projects, although targeting different goals, share a lot of common challenges by aiming to develop platforms co-created by European citizens for European citizens toward promoting awareness on different but critical sustainability issues, through the use of crowdsourcing and engaging tools. This volume presents the research works on such and other related technologies and techniques that are being used for the provision of these platforms, targeting the different application domains of financial and environmental awareness, as these were addressed in the IFIN and ISEM workshops, respectively.

The two workshops took place on September 12, 2016, at the University of Florence after the main open session of the INSCI conference, where each project and respective workshop were introduced by their representatives.

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Collective Online Platforms for Financial and  
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Papers

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