I – SCIENTIFIC ACTIVITY DURING THE FELLOWSHIP

The research conducted during this ERCIM Postdoc Fellowship was framed in the fields of social sustainability and Information Technology (IT), with a special focus on understanding the interplay of the gender perspective in and by IT.

In this regard, several analyses of the state of the art of these areas have been performed, establishing the foundations to identify and define the best practices that should be considered so that gender challenges are addressed through the perspective of social sustainability both in and by IT. This kind of best practices have meant the development of the fourth version of the “Governance and Management of Green IT” (GMGIT) ([https://green-it-gmgit.github.io](https://green-it-gmgit.github.io)), which is currently being validated and refined through empirical case studies in organizations at international level.

Through the new version of the GMGIT, the aspects and best practices related to social sustainability that must be considered in IT processes have been established, thus helping organizations to implement, evaluate/assess, and improve the governance and management of Green IT from this new perspective. The proposal of the GMGIT 4.0 and the results obtained through the case studies will be published after the validations that are currently being conducted.

In addition to the main research, the Fellow also co-supervised two Master’s Theses related to gender balance/equality in IT and software processes and in tech entrepreneurship. Through these supervisions, the Fellow also encouraged and worked with the students to publish the results they obtained, nourishing the development of his main research, as well as establishing the foundations for future research and developments in these areas.

Likewise, in relation to the research performed on gender balance in and by IT, the Fellow has become a member of the European Network for Gender Balance in Informatics (EUGAIN) ([https://eugain.eu/](https://eugain.eu/)). He is part of the Working Group 4, providing his knowledge and experience to involve industry and society to achieve gender balance in IT. In addition, it is important to emphasize...
that the *Fellow* has also been one of the organizers of the *1st International EUGAIN Summer Training School (EUGAIN-STS 2022)*, which was held in June in Lugano, Switzerland.

Finally, in general terms, in the frame of this *ERCIM Postdoc Fellowship*, the *Fellow* has made 8 publications (4 published and 4 under review), has co-supervised 2 Master’s Theses, has given 3 seminars, has co-organized 1 training school, has attended 9 conferences (presenting papers in 4 of them and being session chair in 3 tracks of 2), and has participated in person in 2 meetings of the EUGAIN network. In the same way, thanks to the *ERCIM “Alain Bensoussan” Fellowship Program*, the *Fellow* has increased his network in NTNU and Norway (which has led him to obtain a new position as a researcher in Oslo), as well as in Greece, through the Research Exchange Program performed, establishing the connections for the development of future collaborations.

### II – PUBLICATION(S) DURING THE FELLOWSHIP

**Papers Published**


**Papers Under Review**


III — ATTENDED SEMINARS, WORKSHOPS, CONFERENCES

Seminars Taught


[2] Patón Romero, J. D. Governance and Management of Green IT. Seminar at: *X Encuentro Regional de Semilleros de Investigación*, Universidad Cooperativa de Colombia (UCC), Cali, Colombia, April 28th, 2022. *(Online)*


Training Schools Organized & Attended


Conferences & Workshops Attended


COST Action Meetings Attended


Session Chair in Conferences


IV – RESEARCH EXCHANGE PROGRAMME (REP)

The Research Exchange Program (REP) was conducted during July 2022 at the Industrial Systems Institute (ISI) in Patras, Greece, with the Dr. Georgios Mylonas.

During this REP, the Fellow made a seminar, titled “Governance and Management of Green IT”, to an audience consisting of ISI staff and collaborating researchers, as well as colleagues from the Athena Research Center and Greek Universities.

Likewise, the Fellow had a series of meetings with the Director and several researchers from ISI, through which different topics related to research and ideas for future collaborations were discussed. In fact, the collaboration between both parties will continue since work is being done on the submission of a joint proposal for a research project.