

## PREFACE

The Global 2030 Agenda for Sustainable Development indicates Disaster Risk Reduction as one of the issues of major concern.

Number 1, first Sustainable Development Goal : No Poverty and its flagship “Ensuring That No One is Left Behind”, is a goal we must pursue in order to build a better global society based on humanitarian ideals for the absolute majority of people. In fact, despite the rapid technological modernization and the knowledge growth in all science fields, millions of people still live in very precarious conditions with high vulnerability to disasters. In many countries and regions around the world, unequal development and the increase and persistence of poverty have worsened risk scenarios.

Number 17, the ultimate Sustainable Development Goal : Partnerships for the Goals, is one of the most important and effective ways to build a new sustainable world based on international cooperation. Thanks to mutual understanding, after the conclusion of the GIDES project, Japan and Brazil had continued their partnership and conducted a Public-Private Project in the Sabo Technology subject entitled “COLLABORATION PROGRAM WITH THE PRIVATE SECTOR FOR DISSEMINATION OF SABO JAPANESE TECHNOLOGIES FOR STEEL DAMS AND SOIL-CEMENT GRAVITY DAMS” as a kind of link to a new project called “CAPACITY DEVELOPMENT OF STRUCTURAL MEASURES AGAINST SEDIMENT RELATED DISASTERS FOR RESILIENT CITIES”. This new 5-year cooperative work scheduled to start in 2020 focuses on structural measures oriented towards practical design of Sabo dams. A comprehensive knowledge transfer program of Sabo technologies for risk reduction of sediment disaster in Brazil. In this way it will be complementary to the non-structural scope of the GIDES Program (hazard and risk mapping methodologies, early warning systems and urban planning guidelines).

The following articles of this second and final part of IJECE Brazilian Special Issue resulted from the international cooperation efforts of Japan and Brazil, during the celebrations of the 120th anniversary of Brazil and Japan Friendship Treaty, is a truly example that partnership is a very important way to strengthen the nations capacity to reduce risk of disasters, despite cultural differences.

Pimentel et al. (2020) present and describe the new hazard and risk mapping methodologies for mass movement processes which had been developed through the exchange of information and knowledge between Japanese and Brazilian specialists.

Batista et al. (2020) and Costa et al. (2020) describe their new method on structural measures against slope failures and debris flow processes as a product of joint efforts of Brazilian and Japanese technical teams.

Another output of the GIDES project, Sant’ana et al. (2020) present the technical achievements in urban planning guidelines for the safe occupation of mountainous and sloping terrain.

As political divergence and restrictions for collaborative work are common in international affairs nowadays, we hope that at least the technical community continues to increase the sharing of technology and knowledge in order to inspire stakeholders and leaderships in a way that they understand that this is fundamental to make the necessary connections and improvements. On this context, we would like to present these final articles not only as contributions from the Brazilian technical community but specially as an example of the efforts of people from both Brazil and Japan for a better, safer and more egalitarian and sustainable planet to live.

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