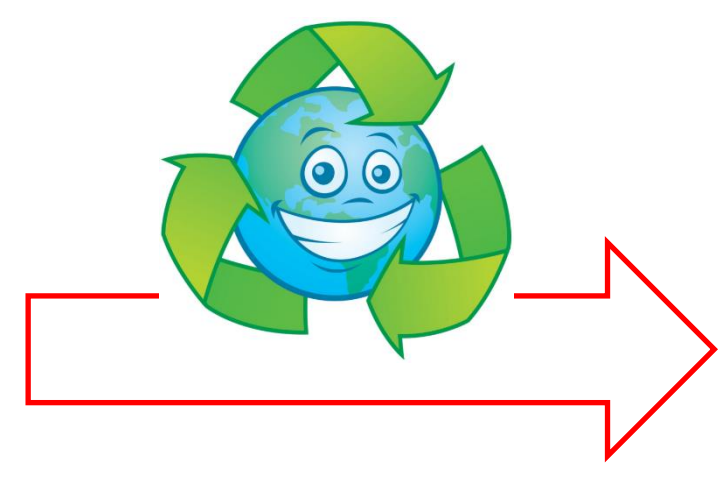


GLOBAL RESEARCH FOR SMART DEVELOPMENT OF ROMANIAN CIVIL AND TRANSPORT INFRASTRUCTURE BY INNOVATIVE CONVERGENCE OF CRITICAL NATIONAL RESOURCES

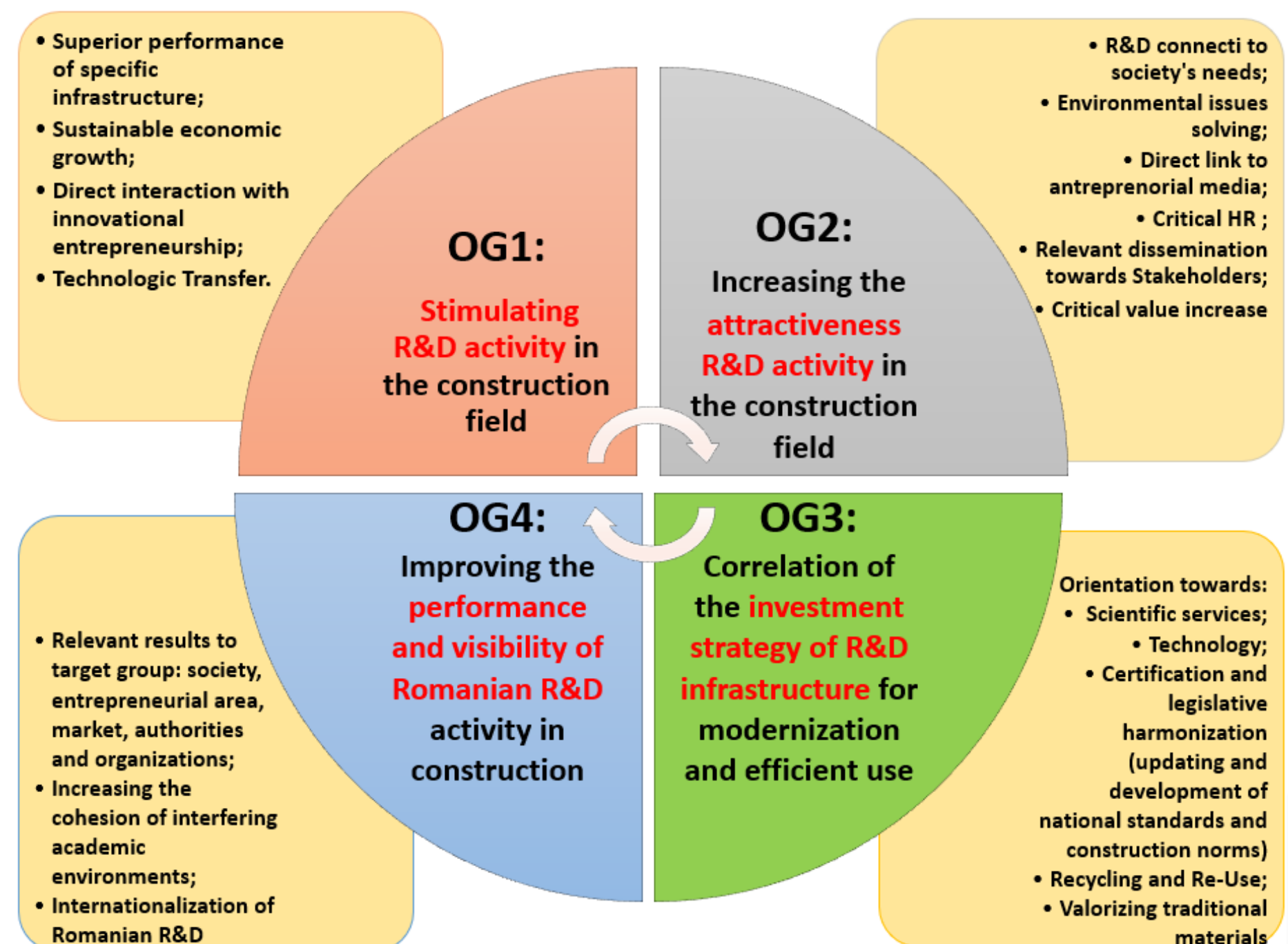
Aurelian Gruin^{1,2}, Cornelia Baera^{1,3}, Bogdan Bolborea^{1,2}, Alexandru Ion¹, Adrian Ciobanu⁴, Adrian Victor Lazarescu¹, Vasilica Vasile¹, Remus Vasile Chendes², Luiza Varga⁵

¹NIRD URBAN-INCERC Timisoara Branch, ²Faculty of Civil Engineering, Politehnica University of Timisoara, ³Faculty of Management in Production and Transportation, Politehnica University of Timisoara, ⁴NIRD URBAN-INCERC Iasi Branch, ⁵SC LUIZ DESIGN SRL

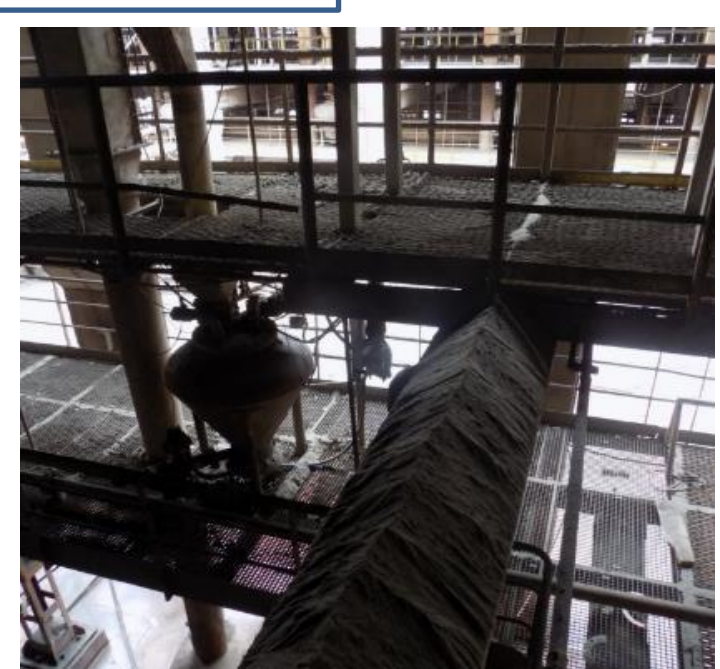
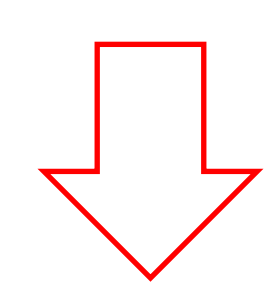
GENERAL RESEARCH TARGET:



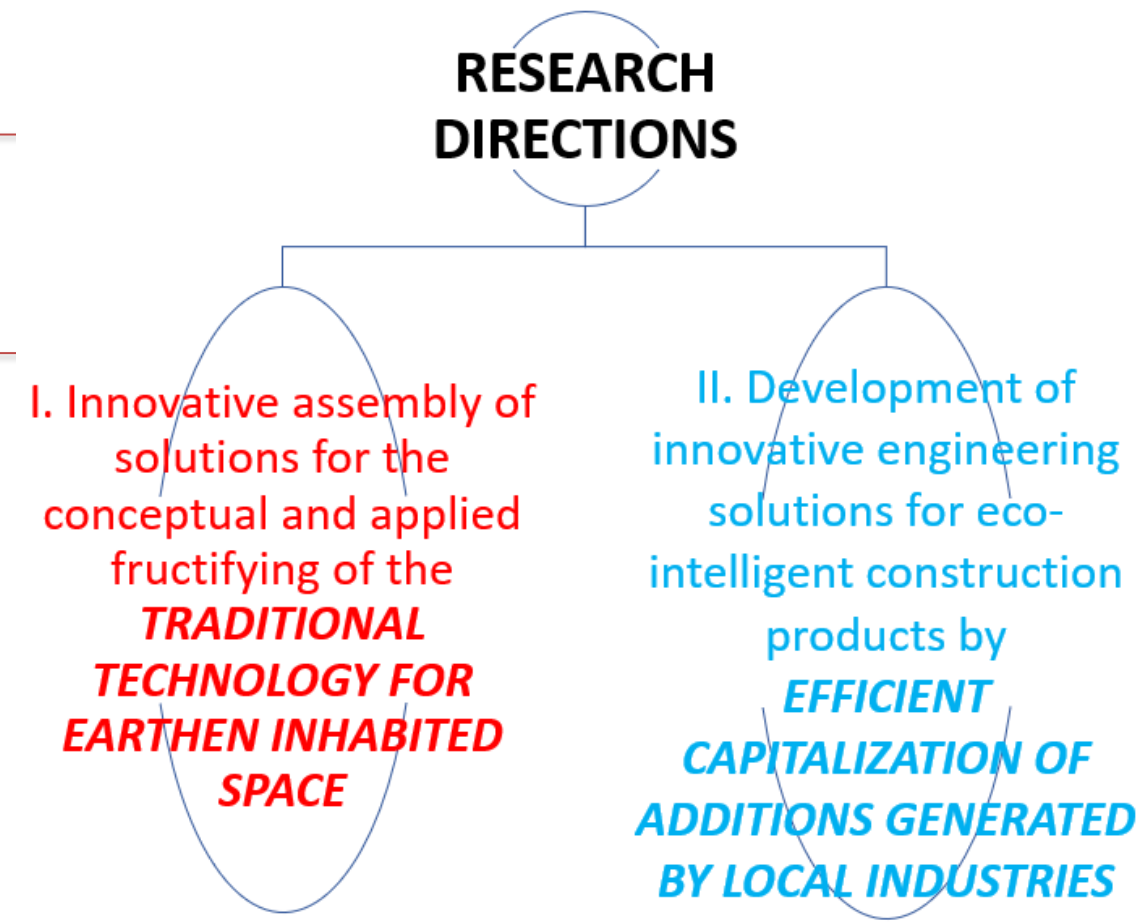
DESIGN and APPLICATIVE VALIDATION of TECHNOLOGICAL ALGORITHMS specific to CONSTRUCTION AND SUPPORTING INDUSTRIES in direct partnership with the ENTREPRENEURIAL ENVIRONMENT



2 RESEARCH DIRECTIONS



4 GENERAL OBJECTIVES

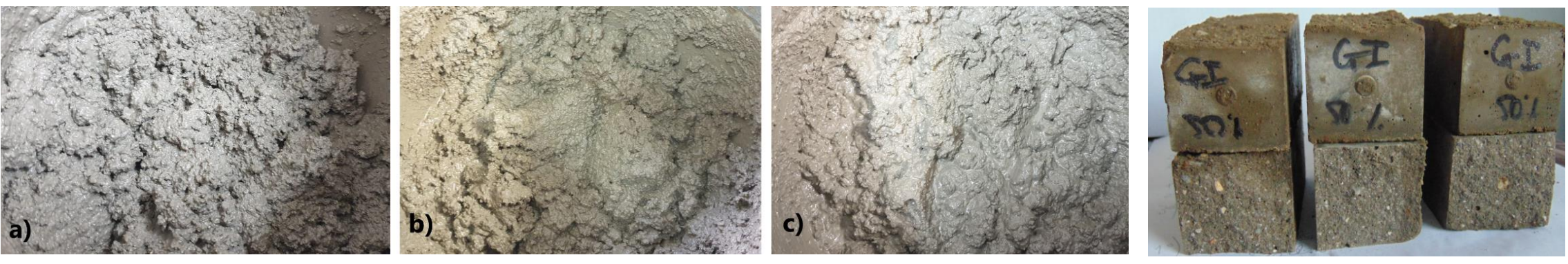
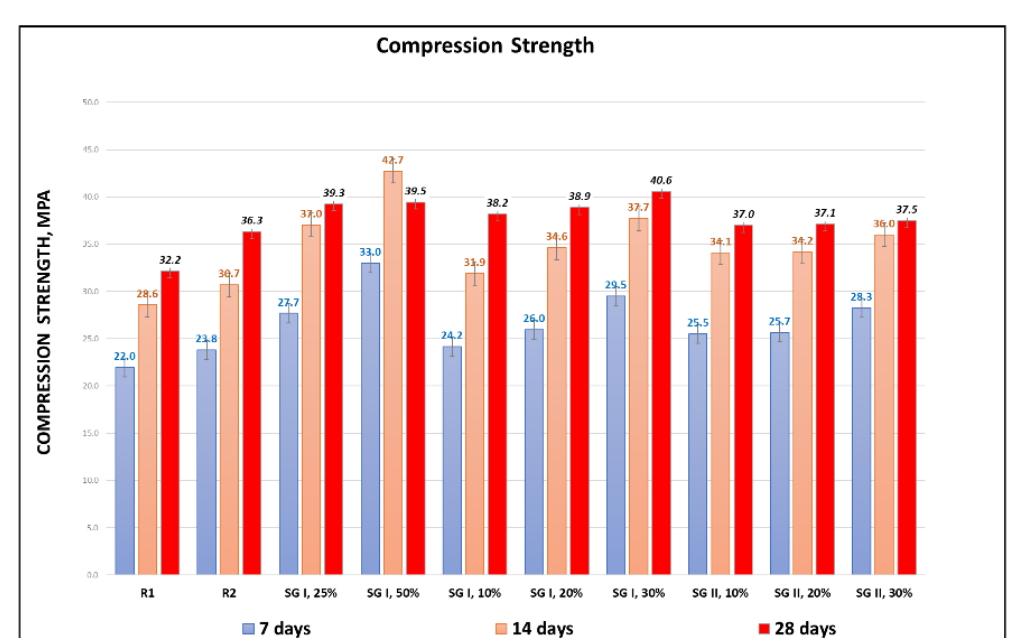
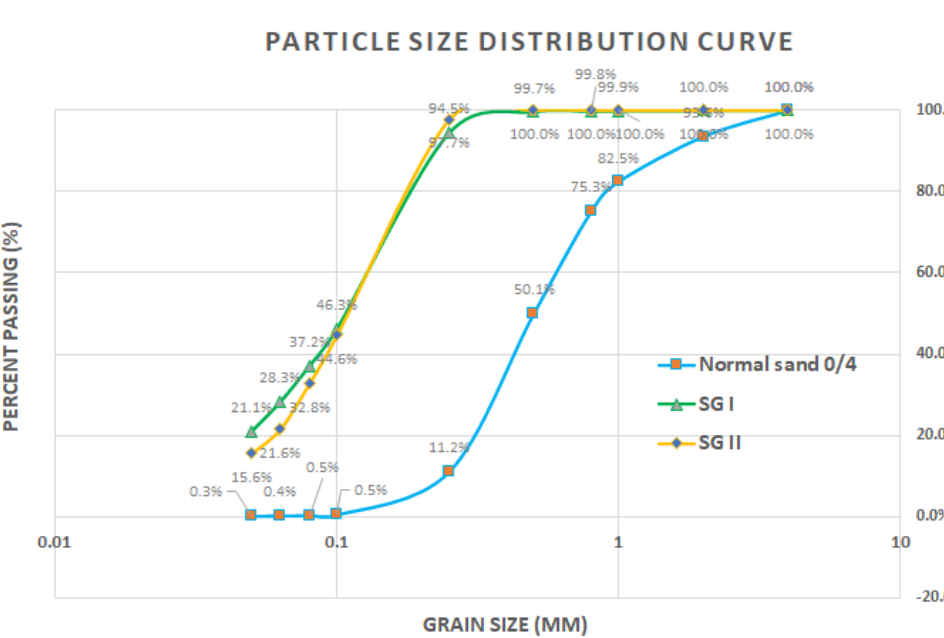


PN 23 35 04 01, component of "ECODIGICONS" Programme, financed by the Romanian Government:
Fundamental-applied research into the sustainable development of construction products (materials, elements, and structures, as well as methods and technologies) that utilizes current national resources to enhance the eco-innovative and durable aspects of Romania's civil and transport infrastructure."

14 SPECIFIC OBJECTIVES (SMART)

16 PHASES (ASOCIATED MILESTONES)

ESTIMATED RESULTS:



Solutions to the current problems in the construction sector: Development of products and services (materials, elements and structures, processes and technologies, etc.), with superior overall performance and increased energy efficiency, for the Circular Economy (EC) principles implementing in Romania.

Acknowledgments:

This work was carried out within Nucleu Programme of the National Research Development and Innovation Plan 2022-2027, supported by MCID, "ECODIGICONS" project no. PN 23 35 04 01: Fundamental-applied research into the sustainable development of construction products (materials, elements, and structures, as well as methods and technologies) that utilizes current national resources to enhance the eco-innovative and durable aspects of Romania's civil and transport infrastructure.