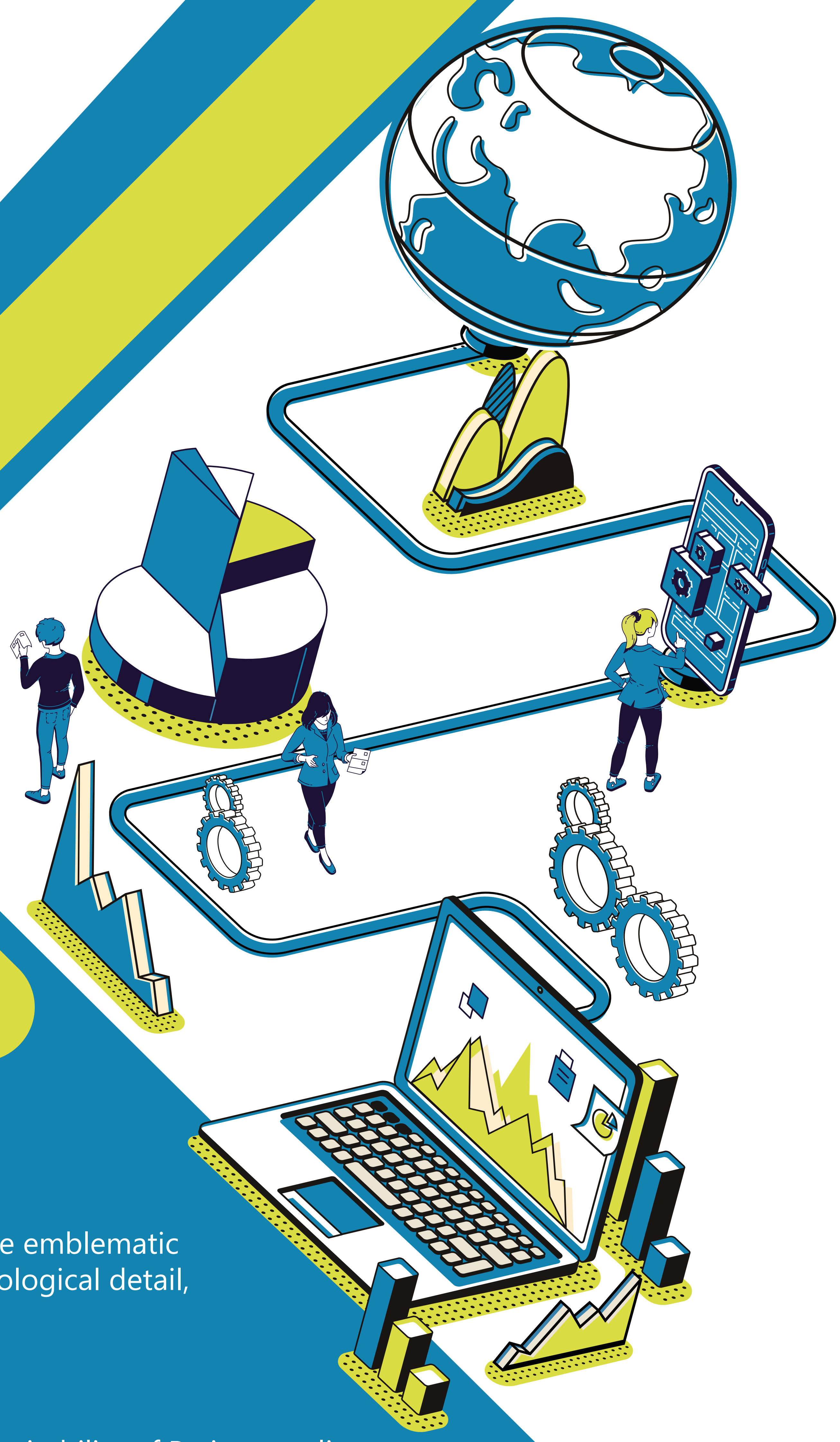
DIAMOND



Delivering the next generation of open Integrated Assessment MOdels for Net-zero, sustainable Development

DIAMOND seeks to update, upgrade, and fully open six IAMs that are emblematic in scientific and policy processes, improving their sectoral and technological detail, spatiotemporal resolution, and geographic granularity.

It further enhances modelling capacity to assess the feasibility and desirability of Paris-compliant mitigation pathways, their interplay with adaptation, circular economy, and other SDGs, their distributional and equity effects, and their resilience to extremes, as well as robust risk management and investment strategies.

The DIAMOND work structure includes the integration of tools and insights from psychology, finance research, behavioural and labour economics, operational research, and physical science.

It also includes developing a transdisciplinary scientific approach to legitimise the implementation process and to co-create research questions that stretch the frontiers of climate science, as well as establishing vibrant communities of practice to transparently open model enhancements and to develop capacities, thereby lowering the entrance barriers to the established IAM community.

Contact Details

Project Coordinator – ICCS
Dr. Haris Doukas
Assoc. Prof., School of Electrical & Computer Engineering, National Technical University of Athens

Email: h_doukas@epu.ntua.gr

General Information:
contact@climate-diamond.eu

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Funded by the European Union

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