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Dear Members of the Jagiellonian University's Academic Community,

The launch of the strategic program "Excellence Initiative – Research University" at the Jagiellonian University, which is aimed at increasing the quality and international significance of our university's research and teaching, involved the identification of seven Priority Research Areas (PRAs), including one concerning the digital world: DigiWorld.

The DigiWorld PRA covers research related to the digital turn, which naturally involves ambitious collaboration between different fields: exact sciences, humanities, social sciences, and natural sciences. DigiWorld aims at supporting and fostering visionary basic research and interdisciplinary applications: the development of new digital technologies and study of the ensuing social, economic and political changes; large collections of digitised data (whether they come from excavations or particle accelerators, from musea and libraries or new media and stock exchange, from genetic experiments or satellite photographs) and the AI methods (machine learning, neural networks and other advanced computational paradigms) enabling their processing, analysis and modelling.

In 2020, to support the development of our research area, we will launch:

- seminars integrating research teams from different disciplines,
- competitions for mini research grants for staff and students,
- competitions for visits and internships abroad,
- funding for open-access publications,
- funding for courses taught by eminent scientists,
- a system of prizes for the best publications.

In the following years, we also plan to finance the following initiatives: visits of outstanding scientists to the Jagiellonian University; forming new research groups; organization of conferences, workshops and summer schools; establishment of interfaculty research centres.

DigiWorld is jointly created by nine faculties and one interfaculty unit: the Faculty of Chemistry, the Faculty of Philology, the Faculty of Physics, Astronomy and Applied Computer Science, the Faculty of Geography and Geology, the Faculty of Law and Administration, the Faculty of Mathematics and Computer Science, the Faculty of International and Political Studies, the Faculty of Management and Social Communication, and the Center for Quantitative Research in Political Science. At the same time, we are open to collaboration with other PRAs and we do invite to participate in the activities listed above *all researchers at the Jagiellonian University* working or interested in our area.

For more information about all our planned and current activities and competition calls, please consult our website: id.uj.edu.pl/digiworld. Our contact address is: digiworld@uj.edu.pl.

Kind regards

Dr Jeremi Ochab

DigiWorld PRA Coordinator



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Priority Research Area
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