

GENERAL INFORMATION

1. NAME OF THE CENTER AND LOCATION

Institute of Mechanics, Bulgarian Academy of Sciences, Acad. G. Bonchev Str. Bl. 4, 1113, Sofia, Bulgaria

2. TYPE OF THE RESEARCH INFRASTRUCTURE AND/OR SCIENTIFIC EXPERTISE

Identify the type of the RI, equipment/facilities/ specific research, and in particular linked to COVID-19:

Theoretical modeling of epidemic, population and migration processes

KEY WORDS:

epidemic models, fractals, time series analysis, network models

3. TYPE OF THE RESEARCH

Provide information on the research carried on or planned in regard with COVID-19 and other viruses

Modeling and forecasting spreading of COVID-19 epidemics in Bulgaria and Bulgarian municipalities

4. WEBSITE

Provide the internet address:

URL

5. BACKGROUND, PUBLICATIONS AND OPEN DATA REPOSITORY

leading research team AND Scientific publications of the research group on the topics of related to coronaviruses research results;
link to open data repository

https://www.researchgate.net/profile/Nikolay_Vitanov

6. COORDINATOR

Full name of the coordinator organization; Institute of Mechanics, Bulgarian

Academy of Sciences, Acad. G. Bonchev Str. Bl. 4, 1113, Sofia, Bulgaria

Contact person; Prof. Nikolay K. Vitanov

e-mail (up to 100 characters) vitanov@imbm.bas.bg

7. POSSIBLE PARTNERS

Indicate the partner organizations

Full name of the partner Max Planck Institute for the Physics of Complex Systems, Noethnitzer Str. 38, 01187 Dresden, Germany

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Contact person; Prof. Holger Kantz

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E-mail kantz@pks.mpg.de

(add as many lines as necessary)

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8. IMPLEMENTED AND RUNNING PROJECTS

Projects related to virology, vaccines, infection diseases ...

Running project: Analysis and forecasting of spreading of COVID-19 pandemy in Bulgaria for the National Operating Headquarter of Republic of Bulgaria for fitghing COVID-19 pandemy