

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 <http://www.imbm.bas.bg/>

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;

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

link to open data repository

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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: 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*

Contact person; Prof. Holger Kantz

E-mail kantz@pks.mpg.de

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*