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| 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* |
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| 1. **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 |
| 1. **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 |
| 1. **WEBSITE** | |
| Provide the internet address: | *URL* [*http://www.imbm.bas.bg/*](http://www.imbm.bas.bg/) |
| 1. **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>  - |
| 1. **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*](mailto:vitanov@imbm.bas.bg) |
| 1. **POSIBLE 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**](mailto:kantz@pks.mpg.de) |
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1. **IMPLEMENTED AND RUNNING PROJECTS**

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| 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* |
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