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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**
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| Identify the type of the RI, equipment/facilities/ specific research, and in particular linked to COVID-19: | Theoretical modeling of epidemic, population and migration processesKEY WORDS: epidemic models, fractals, time series analysis, network models |
| 1. **TYPE OF THE RESEARCH**
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| 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**
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| Provide the internet address: | *URL* [*http://www.imbm.bas.bg/*](http://www.imbm.bas.bg/) |
| 1. **BACKGROUND, PUBLICATIONS AND OPEN DATA REPOSITORY**
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| 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**
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|  | *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* |
| 1. **POSIBLE PARTNERS**
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| 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** |
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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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