

**Stellenausschreibung für die Stellenbörse der DGEpi/  
Job offer for the job portal of the DGEpi**

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| <b>Position</b>  | <b>Expert in Mathematical Modelling</b>   |
| <b>Arbeitgeber/<br/>Employer</b>   | <b>European Centre for Disease Prevention and Control</b>   |
| <b>Arbeitsort/<br/>Location</b>  | <b>Stockholm, Sweden</b>  |
| <b>Gehalt bzw. Gehaltsstufe/<br/>Salary scale</b>                            | Temporary Agent post, grade depending on previous experience (see <a href="https://www.ecdc.europa.eu/sites/default/files/documents/Information-on-salaries-2022.pdf">https://www.ecdc.europa.eu/sites/default/files/documents/Information-on-salaries-2022.pdf</a> )   |
| <b>Arbeitszeit/<br/>Hours</b>  | <b>Normal working hours + public health emergency roster</b>  |
| <b>Vertragsdauer/<br/>Contract type</b>                                      | <b>4 years</b>  |
| <b>Bewerbungsfrist/<br/>Application deadline</b>                             | <b>22 August 2022</b>   |
| <b>Kontaktperson/<br/>Contact person</b>                                     | <b>Recruitment@ecdc.europa.eu</b>   |
| <b>Weitere Bewerbungs-<br/>informationen/<br/>Information for applicants</b> | <p>The jobholder will report to the Head of Scientific Process and Methods (SPM) Section of ECDC. The jobholder will variously provide expertise and leadership on mathematical modelling to inform infectious disease prevention and control policy and the understanding and forecasting of trends and impacts of determinants and disease.</p> <p>Specifically, the jobholder will be responsible in particular for the following areas of work:</p> <ul style="list-style-type: none"> <li>• Identify critical knowledge gaps for infectious disease prevention and control that can be addressed with mathematical modelling;</li> <li>• Design, develop and apply mathematical models to address public health questions;</li> <li>• Implement forecasting methods for infectious diseases and their determinants, presenting scenarios and quantifying uncertainty;</li> </ul> |

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|  | <ul style="list-style-type: none"> <li>• Coordinate projects with a mathematical modelling scope involving experts across Units and Disease Programmes;</li> <li>• Work closely with experts across ECDC (e.g. epidemiologists, statisticians, surveillance, epidemic intelligence, and disease experts) in order to acquire knowledge of available data that could be used for model parameterisation and calibration;</li> <li>• Contribute to establishing and sustaining partnerships with existing modelling networks and experts within Member States’ public health institutes and academic institutions;</li> <li>• Propose methodological approaches for mathematical modelling and economic evaluations that can complement the development of ECDC’s outputs;</li> </ul> <p>Work closely with experts across ECDC (e.g. epidemiologists, statisticians, surveillance, epidemic, intelligence, and disease experts), in order to acquire knowledge of available data that can be used in the modelling design process;</p> <ul style="list-style-type: none"> <li>• Stay up to date with the current literature on disease modelling and assess its value for ECDC’s work;</li> <li>• Plan, draft, and project manage service contracts with external contractors in liaison with the procurement and finance sections at ECDC;</li> <li>• Contribute to other activities of ECDC, as required, in his/her field of expertise;</li> <li>• May be asked to contribute to the 24/7 public health emergency duty system of ECDC.</li> </ul> |
| <p><b>Datum der Anzeige/<br/>Date posted</b></p>                     | <p><b>01 August 2022</b></p>   |
| <p><b>Link zur Stellenausschreibung/<br/>Link to job posting</b></p> | <p><a href="#">VN-Expert-mathematical-modelling-2022.pdf (europa.eu)</a></p>   |