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| **Projekty schválené ke spolufinancování v roce 2023 v rámci EPM (2. výzva MŠMT) – kód 9B** | | | | | |
| **Český metrologický institut, Okružní 31, 638 00 Brno (IČ: 00177016)** | | | | | |
|  | **Kód projektu** | **Akronym projektu** | **Číslo projektu** | **Název projektu** | **Hlavní řešitel projektu** |
| 1. | **9B23001** | **BIOSPHERE** | 21GRD02 | Metrology for Earth Biosphere: Cosmic rays, ultraviolet radiation, and fragility of ozone shield | Ing. Jaroslav Šolc, Ph.D. |
| 2. | **9B23002** | **quantiAGREMI** | 21GRD10 | On farm quantification of ammonia and greenhouse gas emissions from livestock production | Miroslav Bárta |
| 3. | **9B23003** | **MEWS** | 21NRM03 | Metrology for emerging wireless standards | Ing. Martin Hudlička, Ph.D. |
| 4. | **9B23004** | **EMC-STD** | 21NRM06 | Metrology for emerging electromagnetic compatibility standards | Ing. Martin Hudlička, Ph.D. |
| 5. | **9B23005** | **FunSNM** | 22DIT02 | Fundamental principles of sensor network metrology | Ing. Martin Koval, Ph.D. |
| 6. | **9B23006** | **QUMPHY** | 22HLT01 | Uncertainty Quantification for Machine Learning Models Applied to Photoplethysmography Signals | DIDr. Marek Havlíček |
| 7. | **9B23007** | **A4IM** | 22HLT02 | Affordable low-field MRI reference system | doc. RNDr. Jiří Tesař, Ph.D. |
| 8. | **9B23008** | **AlphaMet** | 22HLT03 | Metrology for emerging targeted alpha therapies | Ing. Jan Rusňák, Ph.D. |
| 9. | **9B23009** | **MAIBAI** | 22HLT05 | Developing a metrological framework for assessment of image-based AI systems for disease detection | Ing. Martin Koval, Ph.D. |
| 10. | **9B23010** | **TOCK** | 22IEM01 | Transportable optical clocks for key comparisons | RNDr. Miroslav Doležal |
| 11. | **9B23011** | **DireK-T** | 22IEM02 | Dissemination of the redefined kelvin | Ing. Michal Voldán |
| 12. | **9B23012** | **MQB-Pascal** | 22IEM04 | Metrology for quantum-based traceability of the pascal | Mgr. Dominik Pražák, Ph.D. |
| 13. | **9B23013** | **NEWSTAND** | 22IEM05 | New calibration standards and methods for radiometry and photometry after phaseout of incandescent lamps | [Dr. Ing. Marek Šmíd](https://www.cmi.cz/user/234) |
| 14. | **9B23014** | **S-CALe Up** | 22IEM06 | Self-calibrating photodiodes for UV and exploitation of induced junction technology | [Dr. Ing. Marek Šmíd](https://www.cmi.cz/user/234) |
| 15. | **9B23015** | **TraMeXI** | 22NRM01 | Traceability in Medical X-ray Imaging dosimetry | Ing. Vladimír Sochor |
| 16. | **9B23016** | **MetHyTrucks** | 22NRM03 | Metrology to support standardisation of hydrogen fuel sampling for heavy duty hydrogen transport | Mgr. Jan Geršl, Ph.D. |
| 17. | **9B23017** | **MeLiDos** | 22NRM05 | Metrology for wearable light loggers and optical radiation dosimeters | Ing. Petr Kliment, Ph.D. |
| 18. | **9B23018** | **GuideRadPROS** | 22NRM07 | Harmonization, update, and implementation of standards related to radiation protection dosimeters for photon radiation | Ing. Vladimír Sochor |
| 19. | **9B23019** | **TracInd BVK-H** | 22RPT01 | Traceability for indentation measurements in Brinell-Vickers-Knoop hardness | Ing. Jiří Borovský |
| 20. | **9B23020** | ***True*8DIGIT** | 22RPT02 | Towards a true 8-digit digitiser | Ing. Jan Kučera, Ph.D. |
| 21. | **9B23021** | **MultiFixRad** | 22RPT03 | Improving the realisation of the kelvin by multiple fixed-point radiation thermometry | Ing. Lenka Kňazovická, Ph.D. |
| 22. | **9B23022** | **RFMicrowave2** | 22RPT04 | Development of RF and microwave metrology capability II | Ing. Martin Hudlička, Ph.D. |