CONCEPT NOTE SI RNC

Subject: Funding Request for the Development of a Modernized Cancer Registry System Aligned with ENCR Standards

The National Cancer Registry of Moldova is currently undergoing a transformative reorganization to align with the technical requirements of the European Network of Cancer Registries (ENCR) and the principles of the International Agency for Research on Cancer (IARC) for cancer data registration. This initiative demonstrates our commitment to achieving ENCR membership and enhancing the quality, reliability, and comprehensiveness of cancer data reporting in our country. To achieve this goal, we are seeking support from the World Health Organization (WHO) in the form of funding to develop and sustain an innovative information system for cancer data collection and analysis.

Objective and Rationale

Our primary objective is to establish a cutting-edge cancer registry information system capable of:

1. **Automated Data Collection**: Utilizing advanced IT techniques to automatically collect cancer data from potential data sources, such as National Insurance Companies, hospitals, pathology databases, etc., minimizing human intervention and ensuring timely and accurate data acquisition.
2. **Manual Data Entry via Web Application (at the moment reporting is performed using paper support)**: Providing an intuitive and secure web-based platform for healthcare providers to input cancer data directly, complementing the automated system.
3. **Integration of CanReg5**: Leveraging the open-source CanReg5 system developed by IARC, adapted to meet the specific needs of our registry. CanReg5 will be incorporated as a core component within a broader cluster of interconnected modules for optimal data collection and analysis.
4. **Data Interchange and Interoperability:** Facilitating seamless data exchange and cross-checking with existing and potential medical information systems to ensure compatibility and data consistency.
5. **Advanced Data Analysis and Monitoring:** Establishing a dedicated module for advanced data analysis and continuous monitoring of data integrity, leveraging open-source technologies like R and Python to ensure high-quality, reliable, and actionable cancer data

Development and Sustainability Requirements

To develop this comprehensive information system, we propose the following steps:

1. **IT Team Engagement**: Recruitment of an experienced team of IT professionals to design, develop, and implement the system.
2. **Resource Allocation**: Procurement of necessary resources for infrastructure, training, and continuous technical support.

3. **Capacity Building**: Training registry staff and end-users in the new system's operation and maintenance.
4. **Ongoing Development**: Ensuring the system's scalability and adaptability to future needs, including ENCR reporting standards and technological advancements.

Funding Request

We estimate that the total cost for this initiative, including system development, training, and maintenance for the initial five years, will amount to approximately. We kindly request WHO's financial support to cover these expenses and enable us to establish a state-of-the-art cancer registry system that can serve as a model for other nations in the region.

Expected Outcomes

With WHO’s support, the National Cancer Registry will achieve:

- Improved cancer data accuracy, completeness, and timeliness.
- Enhanced capacity for cancer research and policymaking.
- Full compliance with ENCR standards and eventual membership in the network.
- A sustainable and scalable system capable of addressing the growing demands of cancer surveillance.

We are confident that this initiative will significantly contribute to global cancer control efforts and strengthen our country's health information infrastructure. We would be grateful for the opportunity to discuss this proposal further and provide additional details upon request.

Thank you for considering our request. We look forward to the possibility of working together to advance cancer registry development and improve cancer outcomes globally.