

UPDATE OF THE EARLY DEMAND MAP FOR THE PUBLIC INNOVATION PURCHASE OF THE MedeA PROJECT (PUBLISHED IN APRIL 2019).

NOTE: Corresponds to Challenge I on the Initial Early Demand Map (April 2019).

| CHALLENGE I: DEVELOPMENT OF PERSONALISED PRESCRIPTION SYSTEM - CLINICAL DECISION SUPPORT SYSTEM [PoPS.0-PoPS.I] | | |
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| NEED | DESCRIPTION | PROCEDURE TO FOLLOW |
| <p>It is required to generate a tool that supports decision-making for the selection of the most appropriate drug/s and their dose/s in the context of pharmacological treatment and clinical conditions of the patient, so that it provides:</p> <ul style="list-style-type: none"> • Optimization in the choice of drug/s and appropriate doses, based on pharmacogenetic biomarkers and other determinants of variability in response, to prevent adverse drug reactions (ADRs) and therapeutic failures and ultimately reduce health service costs. Some of the necessary information is in the Electronic Health Record (EHR) and some will be new generation (genetic biomarkers, interactions). • The system should be integrable/connectable with the EHR of the Extremadura Health Service (SES), so that it allows the incorporation of various databases containing genetic and pharmacological information, as well as patient-related information; the interrelated analysis of this information; and the generation of a response within the framework of a prescription support system (alarms, additional information, recommendations, etc.) [PoPS.0]. | <p>Development of a Clinical Decision Support System with visualization tool (CDSS-CDVT) in the SES for Personalized Oriented Drug Prescription ("Personalized Oriented Drug Prescription System: PoPS.0), with a Clinical Data Visualization Tool, in real clinical conditions, connectable to the EHR system, incorporating a systematic evaluation based on the implementation data in a cohort of MedeA21 patients, carried out by the Project team to generate the PoPS.I (Prescription Support System validated in real clinical conditions).</p> <p>PoPS.0 Development and PoPS.I Evaluation</p> <p>Corresponds to Challenge I in the Initial Early Demand Map (April 2019).</p> | <p>Innovative Public Procurement / Innovation Partnership</p> |

Budget available Challenge I: **1,343,118 €.**

Maximum budget to be awarded per company in Phase I (VAT included): **895,411.76 €.**