


Título del Proyecto	CoDIET: COMBATTING DIET RELATED NON-COMMUNICABLE DISEASE THROUGH ENHANCED SURVEILLANCE
Nº de expediente asignado	GA 101084642
Abstract	<p>Our current understanding of the relationship between diet and the development of non-communicable disease (NCD) is limited by a number of factors. These include a lack of understanding of dietary mechanisms that drive NCD, inaccurate tools to collect dietary information, a nascent understanding of the role of personalised nutrition, and the lack of data in vulnerable groups where NCDs are often over-represented. The overarching aim of CoDiet is to develop a series of tools (through eight work packages) which will address the current gaps in our knowledge and lead to the development of a tool that will assess dietary-induced NCD risk. We will achieve this through the six objectives which will answer the challenges of the work programme:</p> <ol style="list-style-type: none"> 1. Development of AI-driven literature searching tools - bring clear understanding of large global literature in the field of physiological and metabolic links between diet and NCD 2. Enhance the understanding of NCD risk factors - we will bring a series of beyond the state of the technics to gain mechanistic insight 3. Understanding of the importance individual variation in response to diet to risk of NCD - this will give insight into the targeting of dietary NCD advice 4. Develop an enhanced method of dietary assessment using machine learning technologies - solving a fundamental problem in nutrition of lack of an accurate dietary tool 5: Develop an enhance diet-NCD

	<p>monitoring tool - enabling change in NCD in response to diet to be monitored at the population level 6: Develop a dynamic interface between diet and NCD risk factor monitoring and policy - Ensuring CoDiet is applicable at a population level The investigation of these objectives and the answers they provide will open a pathway to enhancing the uptake of NCD protective diet at a population level</p>
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