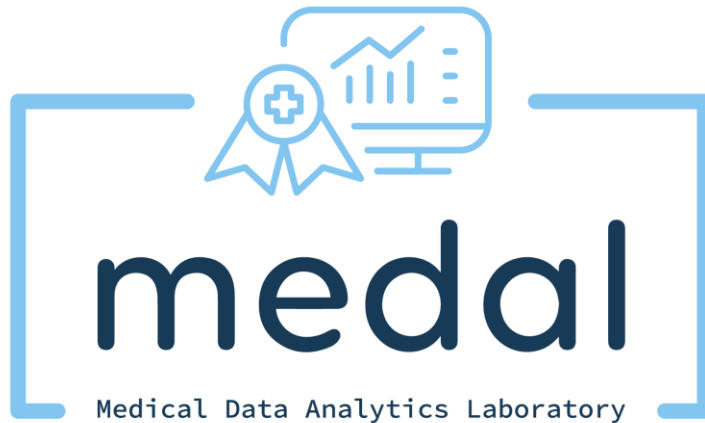




LUCIA – Lung Cancer-related risk factors and their Impact Assessment

13 de junio de 2025

Hospital Universitario Clínico San Carlos

Alejandro Rodríguez González

LUCIA? We were CAMELIA

LUCIA was not successful at the first attempt. The project was initially named “CAMELIA” and it was sent to the following call:

HORIZON-HLTH-2021-CARE-05-02

Data-driven decision-support tools for better health care delivery and policy-making with a focus on cancer

Big differences?

Original call (not funded): **HORIZON-HLTH-2021-CARE-05-02**

Data-driven decision-support tools for better health care delivery and policy-making with a focus on cancer

Final call (funded): **HORIZON-MISS-2021-Cancer-02-03**

Better understanding of the impact of risk factors and health determinants on the development and progression of cancer

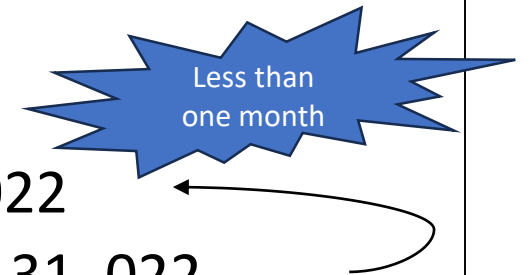
Big differences?

HORIZON-HLTH-2021-CARE-05-02

- **Call type:** RIA
- **Deadline:** Sept 21, 2021
- **Notification:** January 31, 2022
- **Budget:** 40M€
- **Projects funded:** 6
- **Duration:** 3 years

HORIZON-MISS-2021-Cancer-02-03

- **Call type:** RIA
- **Deadline:** April 26, 2022
- **Start working:** March 31, 022
- **Notification:** August 08, 2022
- **Budget:** 54M€
- **Projects funded:** 6
- **Duration:** 4 years



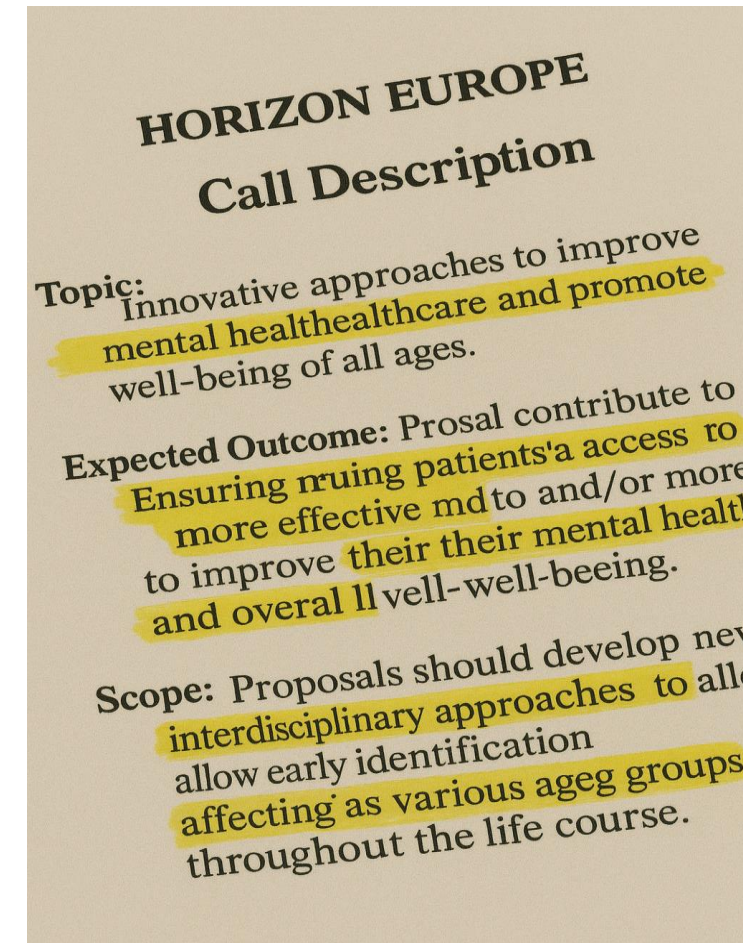
Proposal preparation

- LUCIA was done in one month: but **we didn't start from scratch**. We had CAMELIA as starting point.
- It was a **consultancy company** handling the proposal development. **Cost: 1.6% of the received funding + VAT – per partner.**
- Apart from the consultancy:
 - Project coordinator: TECHNION (from Israel)
 - Technical coordinator: VICOMTECH (from Spain)
 - Bottom-up approach: WP leaders create their WPs and is integrated in the whole approach.

Some tips and recommendations

Read the call carefully

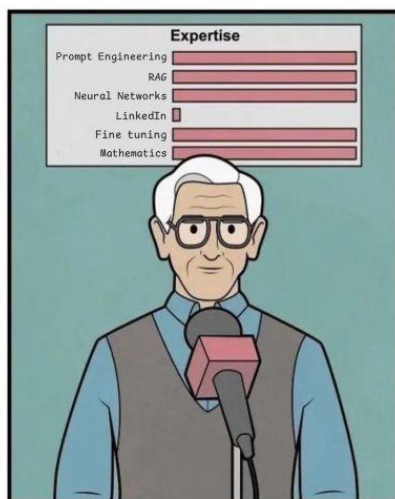
You must read the call and “mark” what are the **relevant elements and topics**. You should cover all the elements if you want to have a successful proposal.



Some tips and recommendations

AI Experts....

YES,



BUT



Surround yourself with real experts

There are nowadays many people claiming to be an “expert”. Be sure that you are surrounded by real experts. Specially in technological projects or where technology is key.

Some tips and recommendations

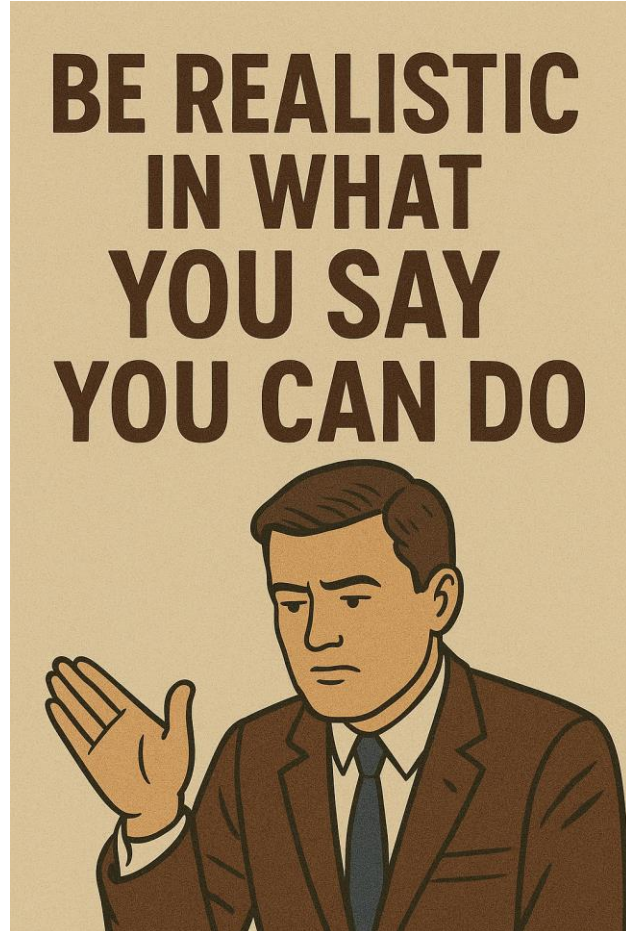
Be CAREFUL with DATA

Many projects, specially those in applying Artificial Intelligence might imply the use of patient data.

Be sure **when (if)** you can provide such data! **Don't say that you can do it if it is not 100% true.**



Some tips and recommendations



Be realistic

Don't compromise to do things that you are unable to do.

Don't compromise with objectives that you think that are not feasible.

Don't commit to do tasks out of your expertise.

Some tips and recommendations

Review the proposal and participate in meetings

Don't let others write what you are going to do. Be sure that you agree on your tasks.

Review the proposal!



About the LUCIA Project

- **Funded by:** EU Horizon Europe Programme
- **Duration:** Jan 2023 – Dec 2026 (48 months)
- **Consortium:** 20 partners from the 6 EU & 3 associated countries, led by TECHNION (Israel)
- **Objective:** Develop a comprehensive toolbox to identify and understand new lung cancer risk factors
 - Personal risk factors (chemical exposure, lifestyle and behavior)
 - External risk factors (urban environment, transportation, social context and climate)
 - Cellular processes (genetic, epigenetic, metabolic and age-related changes)

Website: <https://luciaeuproject.technion.ac.il/>

Goals and Key Activities

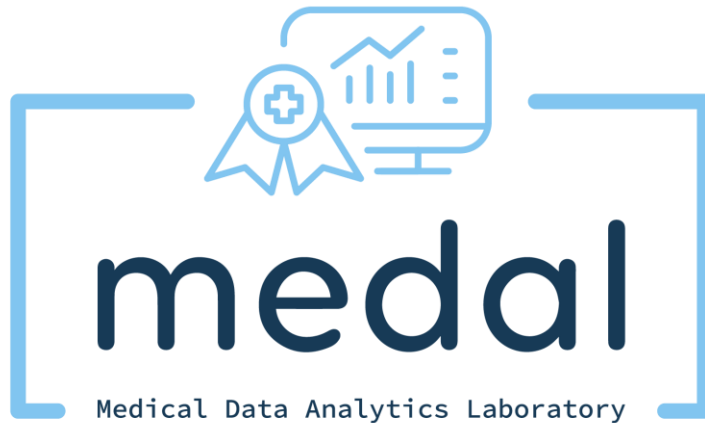
- Develop a comprehensive toolbox to discover and understand new risk factors contributing to lung cancer (LC) development
- Validate findings through three clinical cases:
 - General population screening
 - High-risk group screening
 - Digital diagnostics
- Translate results into policy recommendations
- Apply a multi-stakeholder, interdisciplinary approach
- Address ethical, legal, and social aspects
- Ensure broad communication and dissemination

Work Packages (WP)

- **WP1:** LUCIA human center and trustworthy AI solutions
- **WP2:** LUCIA Software Ecosystem, data analytics and application development
- **WP3:** Innovative technologies for identifying health determinants
- **WP4:** Validation and clinical evaluation
- **WP5:** Molecular risk factor identification and their functional analysis of their contribution to transformation
- **WP6:** Communication, Dissemination and Exploitation
- **WP7:** Project and Innovation Management

Partners



 <https://medal.ctb.upm.es/>

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