The Cancer Virtual Lab is a research tool that uses data from various sources within a Research Institute. It creates anonymized patient avatars for in-depth analysis of key attributes, including diagnosis, demographics, healthcare activities, lab results, genetic variations and outcomes. Researchers select relevant data and use a suite of tools for literature review, clustering, summarization, and other features.

The system is built on four fundamental pillars:
1. Knowledge Graphs: Describe the avatars.
2. Agent System: Agents update and enrich the knowledge graphs.
4. User Interface: A friendly platform for accessing the described functionalities.

The Cancer Virtual Lab facilitates oncological research, fostering insights through data analysis. This Project aims to generate an MVP/Prototype that will be used within IRST together with the project’s partners. Validation is not in the boundary of this project.

Piano di attività / (Project plan)
Il piano dell’attività prevede:
- Partecipazione attiva alle iniziative in corso
- Progettazione e implementazione di soluzioni informatiche
- Analisi e networking
- Pubblicazione dei risultati