

# Systemic complexity of design in the cancer care path.

The designers, developers & researchers who create cancer-focused innovations rely on implementing that technology in the desired context and its adoption by targeted users over time to improve the cancer care path. However, cancer care contexts are Complex Adaptive Systems; they have multiple elements that interact between them in unpredictable ways, and the changes in one element modify the context of the rest of the system.

By understanding the systemic complexity of cancer care contexts, designers' developers, and researchers can create technologies that will be successfully implemented in the desired contexts.

## The Map

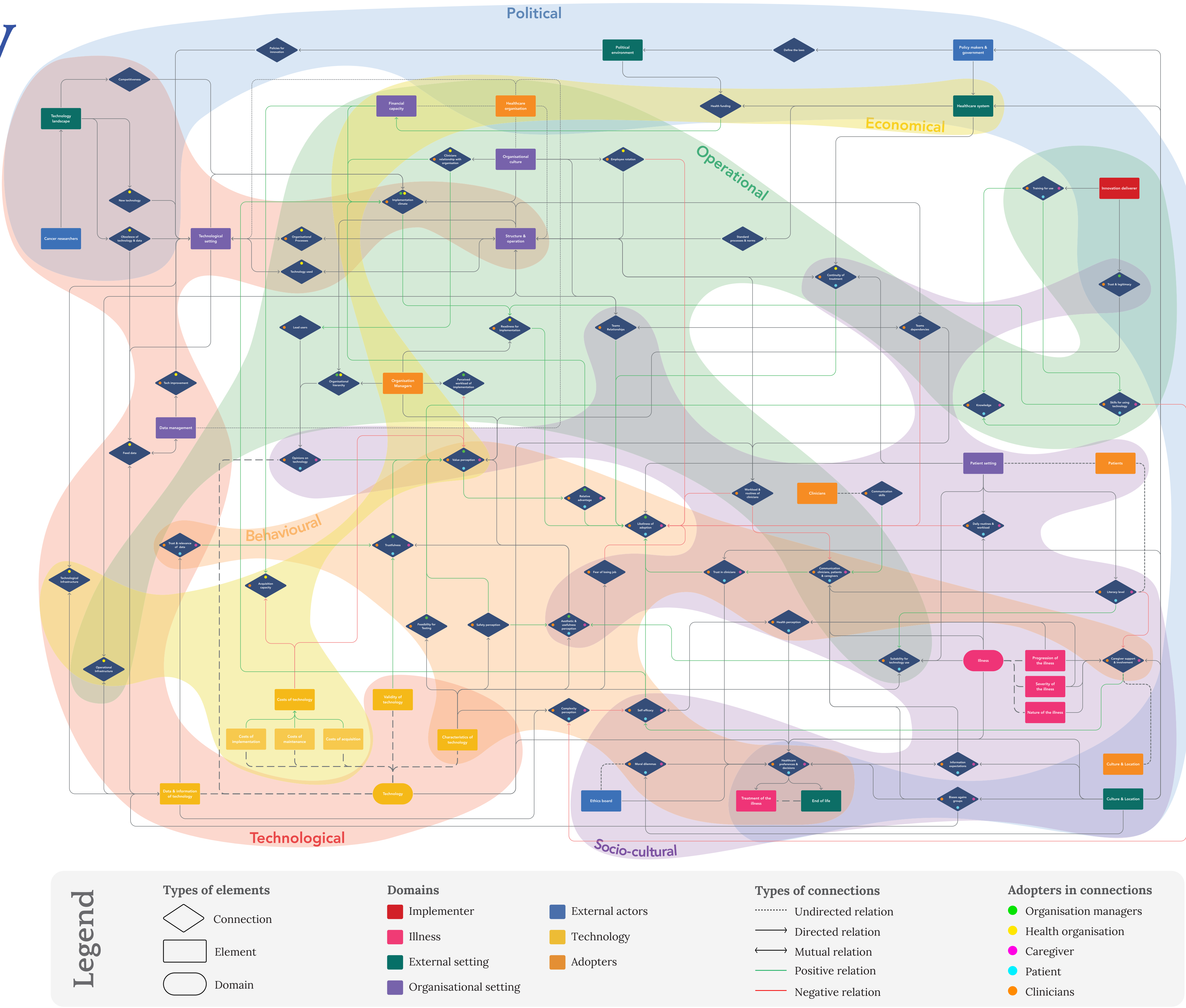
This map is a visual tool to support the comprehension of the elements that affect implementation in the cancer care context and its complexity. It provides an overarching view of the system, sectorized by areas that facilitate the readability of the map. This map details the types of interactions that occur and the actors involved in it.

This tool is meant to assist designers, developers, and researchers in European contexts, to develop cancer-focused technology. It can be used at different stages of the project; as a co-creation tool, for research purposes, during ideation or for contextualization on the topic.

## How to read the map

**By elements:** Start reading from any element and follow the connections throughout the map.

**By areas:** Choose a theme and follow the connections inside that theme to go through all its elements.



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Mapping systemic complexity of design in the cancer carepath.

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Sources:

1. NASSS framework. Greenhalgh et al., 2017.
2. CIFR framework. Damschroder et al., 2022.
3. PARIHS framework. Kitson et al., 1998.
4. PRISM framework. Feldstein & Glasgow, 2008.
5. Interviews with 4D PICTURE team.



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