

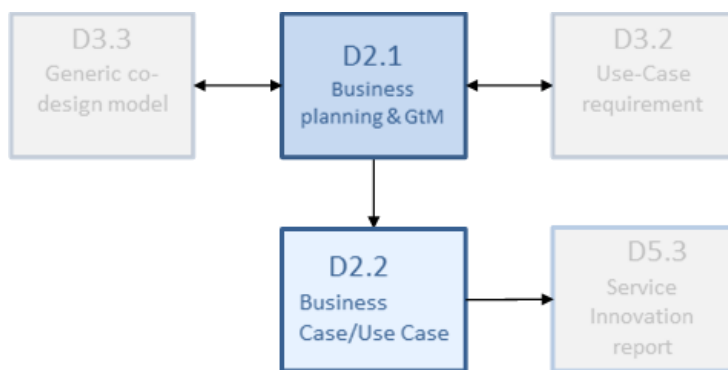
FRONT-VL – Project reports overview

MARCH 2019

An overview of the work activities of FRONT-VL, the numbers are the internal designations work packages and reports of the project.

2.1 Business plans and go-to-market models

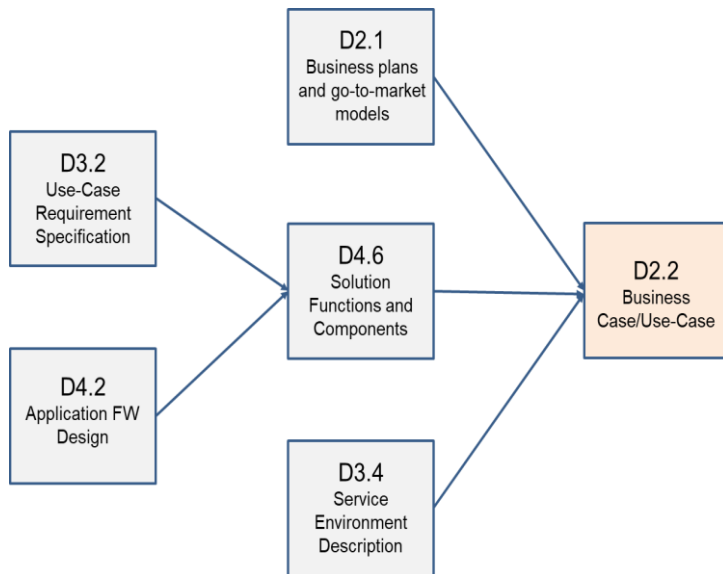
The aim of this deliverable is to present the common business planning and go-to-market model for the framework approach D2.1 is based on the goals of the projects and developed parallel with findings of the co-design process in D3.3 and D3.2. For each use-case a more specific business case is developed in D2.2.



2.2 Business Case for each Use-Case

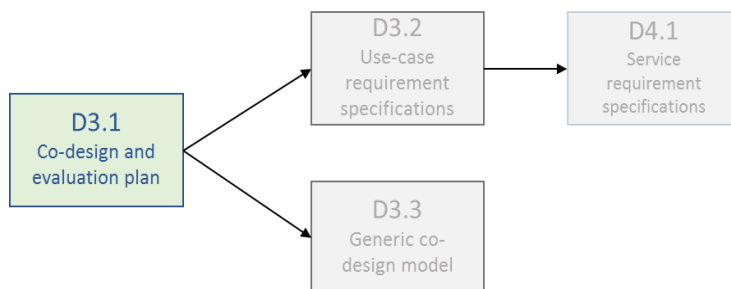
The D2.2 is dependent on information provided by overall Business Modelling in D2.2 and cost structure per included Use-Case, where used SW products are covered in D4.6 Solution Functions and Components. The selected SW components are in turns based on requirements specified under D3.2 Use-Case Requirement specifications and the overall architectural principles set out by the D4.2 Application framework and new technologies modification design

To get a complete coverage of the Business Case per Use-Case, D2.2 is also depending on information from D3.4 Service Environment Description, forming the Services surrounding the solution.



3.1 CO-DESIGN AND EVALUATION PLAN

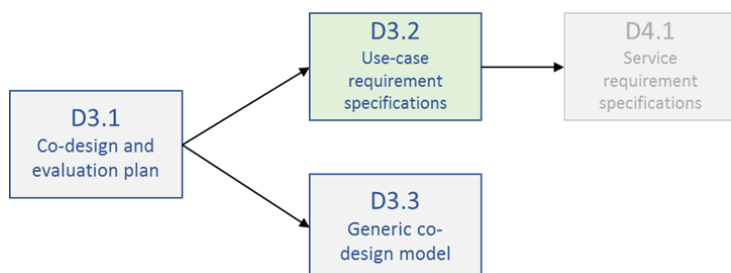
The aim of this 3.1 is to document the co-design approach and its findings for the different use cases in the participating countries and is the basis for the upcoming deliverables 3.2 and 3.3. In D3.3 a common co-design model will be derived from the findings provided here (D3.1) and in D3.2 the requirements derived from the results of the co-design process will be provided for the definition of the technical specification in D4.1.



3.2 USE-CASE REQUIREMENTS SPECIFICATION

This deliverable is based on D3.1 Co-design and evaluation plan (see Figure 1). The results will feed the technical specification as provided by D4.1.

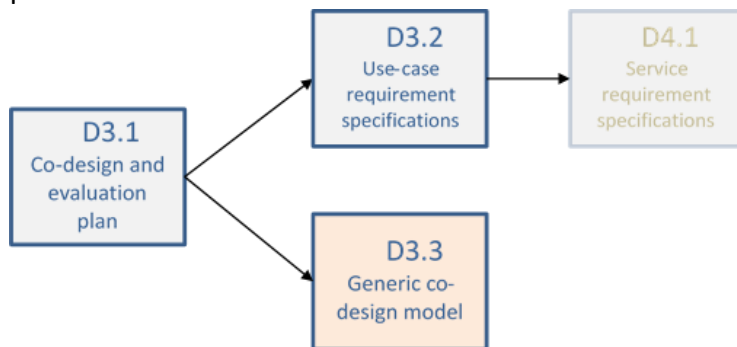
The approach in general is based on an active involvement of end-users already in a very early stage of the project. Even though the use-cases were already defined before, only very limited restrictions very made to the end-users technically. This way, a user-centred design process could be realized.



3.3 GENERIC CO-DESIGN MODEL

The aim of this deliverable is to present the common co-design approach. D3.3 is based on experiences and findings from the different use cases in the participating countries as provided by D3.1. In D3.2, the requirements derived from the results of the co-design process will be provided for the definition of the technical specification in D4.1.

The approach, in general, is based on the active involvement of end-users already in a very early stage of the project. Even though the use-cases were already defined before, only very limited restrictions were made to the end-users technically. This way, a user-centred design process could be realized.



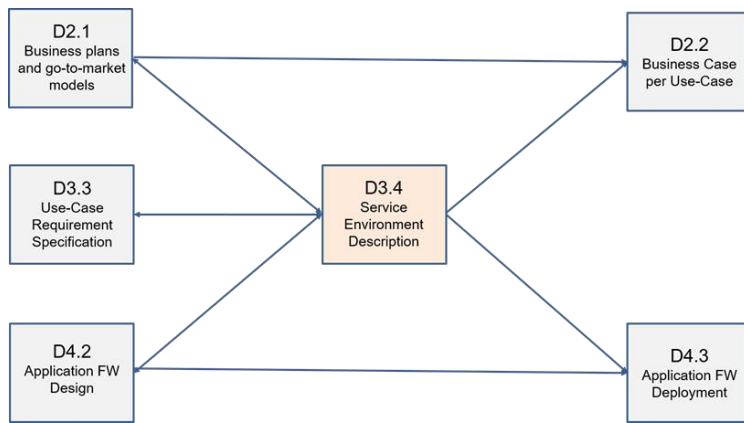
3.4 SERVICE ENVIRONMENT DESCRIPTION

The Service Environment Description shows how the service will be delivered through a Multiple service integration framework, SIAM. The services and the integration are built up from requirements from several of the separate deliveries and conforms the idea of high level of agility and flexibility to implement new services as well as new suppliers, that adapt to the general architecture framework, the Continua standards.

The business plan has a focus on the customer/ end user satisfaction with the ability to be able to choose services from a service catalogue that contains the different offerings, as well as a health supplier that provides professional services with part of the data sets that are the results from the customers/ end users data, that is collected in several ways.

The services have a Business case connected with a Use-Case, that will show what kind of service it will provide together with benefits, investment cost in development and implementation.

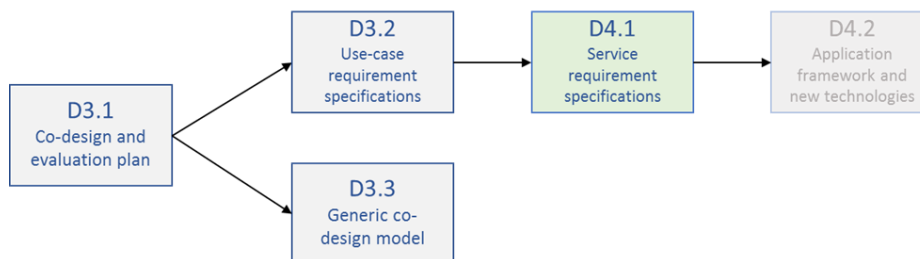
The applications that will generate data in some cases and some that will be part of the display and the analysis of the data have to comply with the set standards within the FRONT-VL project. The different service providers will need to agree on development methods and ways to onboard the application and services in the platform.'



4.1 SERVICE REQUIREMENT SPECIFICATION

This deliverable is based on D3.2 Use-case requirement specification (see Figure 1) and provides a list of technical requirements derived from the co-design approach performed in work package 3. The results will feed the architecture and data model design provided by D4.2.

The approach in general is based on an active involvement of end-users already in a very early stage of the project. Even though the use-cases were already defined before, only very limited restrictions were made to the end-users technically. This way, a user-centred design process could be realized.



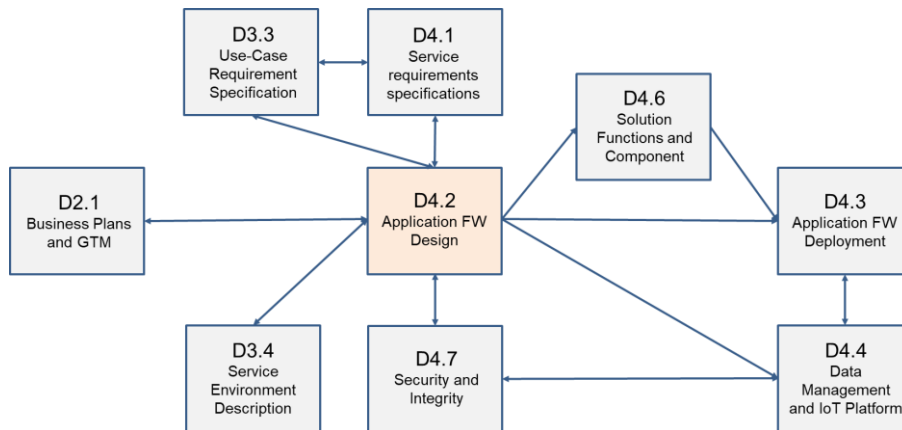
4.2 APPLICATION FW AND NEW TECHNOLOGIES DESIGN

The aim of this deliverable is to present the overall Application FW Architectural Design of the FRONT-VL Platform.

The horizontal Architectural Framework, based on existing rules and guidelines set by Continua, is one of the key Value Propositions of the FRONT-VL Project.

The Architectural Framework has a direct impact on anything from selection of SW components, described under Report D4.6, to selection of Business Models, described under Report D2.1.

The agility and modularity provided by the nature of a horizontally modelled architecture is the foundation for an agnostic approach to SW suppliers, the continued development of new APIs to address the wider Application Development community etc. The architecture described in this report however directly reflecting and adopting to new requirements set by either new types of technology emerging in the sensor and sensor network space or by new types of end-users/clients and evolving ecosystems.

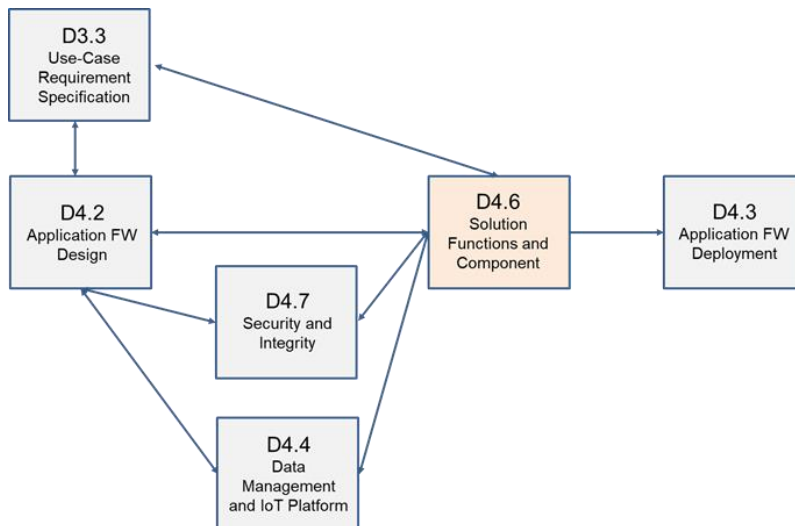


4.6 SOLUTION FUNCTIONS AND COMPONENTS

The aim of this deliverable is to present the different solutions provided by the project partners that can produce derived/secondary results based on original/acquired and stored data in the project.

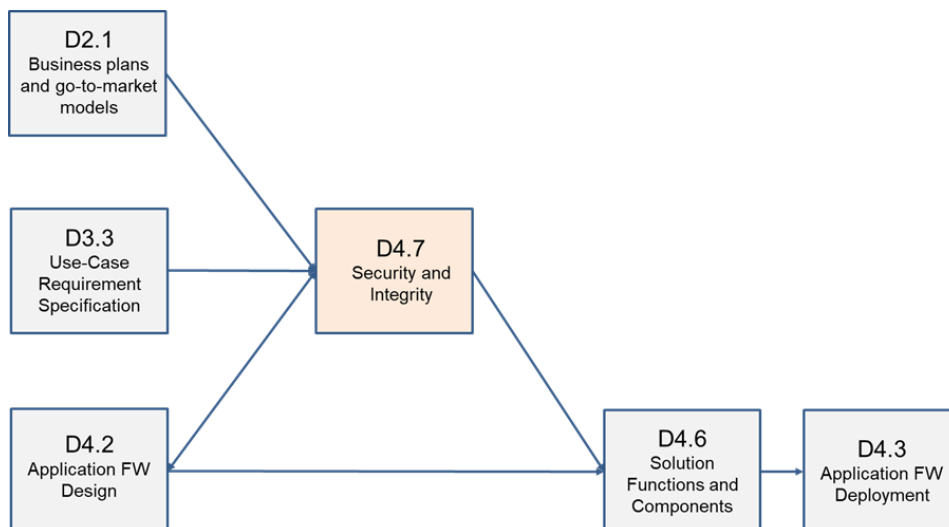
The horizontal Architectural Framework, based on existing rules and guidelines set by Continua, is one of the key Value Propositions of the FRONT-VL Project. The Architectural Framework has a direct impact on every step of the project, as the selection of SW components, described under this Report D4.6. Agility and modularity requirements are a must in order to allow future different solution configurations with all or just part of the functionalities according to project outcomes demand by the final users after the validation of the uses cases with real patients/users. As shown in the deliverables relationship graph below, D4.6 is based on D4.2 Application FW Design and will be an input for D4.3 Application Fw Development. In fact the initial requirement for D4.6 are defined in "7.1 General Approach for SW Components in Deployment of FRONT-VL" of D4.2. This key basis can be summarized in the fact that SW Componets need to:

- 1) Implement 1 or several of the functional/logical blocks described in D4.2
Application Fw View#1
- 2) Follow the rules defined in the Integration View described in D4.2
Application Fw View#2
- 3) Study/acknowledge/describe Data Flow principles described in D4.2
Application Fw View#3"



4.7 SECURITY AND INTEGRITY

The aim of this deliverable is to present FRONT-VL Platform overall approach to Data Security and Integrity, related to architectural design of the Application FW and corresponding Data Management Platform. The overall relationship per deliverables includes business requirements, use-case requirements and the rules and guidelines set by Continua, incorporated in the Application Framework design



5.2 PLANNING AND EXECUTION OF FIELD TRIALS

The aim of this deliverable (D5.2) is to present the SW stack/packing for deployment in various pilot scenarios. All scenarios are derived from information received from ongoing work of Business Planning in WP#2, Use-Case Design (co-design activities) in WP#3 and from Technical Design and Development in WP#4.

As shown in the deliverables relationship graph below, D5.2 Planning and Execution of Field Trials is depending on input from D2.1 Business Planning, D3.2 Use-Case Co-Design and D4.6 Solution Functions and Components. For a full set of services descriptions, the deliverable 5.2 is also depending on input from D3.4 Service Environment Description.

