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Authors	Vasilii Tuskii, Elias Hamacher, Markus Brechtel
Lead Beneficiary	5 - DZIF
Project website	https://europeanvaccineshub.org/

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1. Introduction

User registration within the EVH Portal is based on the centralized Single Sign-On (SSO) and Identity Management infrastructure provided by Keycloak. The registration form represents the primary entry point for new users and is tightly integrated with the SSO workflow, ensuring that identity data is collected, validated, and managed consistently across all portal applications.

The registration process is designed to collect a defined set of user attributes required for secure authentication, unique user identification, and initial access management.

2. Registration Attributes and Data Model

A structured set of user attributes was defined and implemented within the registration form. These attributes are requested during initial registration and are stored centrally within the Identity Provider.

The attribute set consists of:

A. Mandatory fields, required for unique identification of the user and for meeting security and operational requirements.

B. Optional fields, which provide additional contextual information about the user.

Each attribute serves one or more of the following purposes:

1. Unique and reliable identification of EVH Portal users;
2. Support for administrative review and approval of registrations;
3. Simplification of the initial assignment of user groups and access rights.

Following automated Email verification and manual approval of the registration, users are able to review and update selected attributes, ensuring that profile data remains accurate over time.

The only user attribute that remains immutable after registration is the username, which serves as the unique identifier for the user within the system. This design choice prevents potential issues with synchronization of the user profile across connected applications and ensures consistent identity management.

3. Integration with Approval and Access Management

The registration form is fully integrated into the two-step onboarding process. Submitted registration data becomes available to portal managers for manual review as part of the approval workflow after the user completes the initial registration and Email verification. The collected attributes support informed decision-making and facilitate the assignment of users to appropriate initial groups.

By linking registration data directly with group and access management (provided via the RPS Groups Interface and RPS Admin Interface applications), the solution reduces manual effort while maintaining a high level of control over portal access.

4. Outcome

The implemented registration form provides a structured, SSO-based mechanism for collecting and managing user identity data within the EVH Portal. It ensures that all users are registered with a consistent set of validated attributes, supports secure onboarding through verification and approval, and enables efficient initial access configuration.

Document review / approval (the coordinator)

Name	Role	Action (review / approval)	Date
Rino Rappuoli	Coordinator	Approval	27/02/26
Donata Medaglini	Scientific Coordinator	Approval	27/02/26