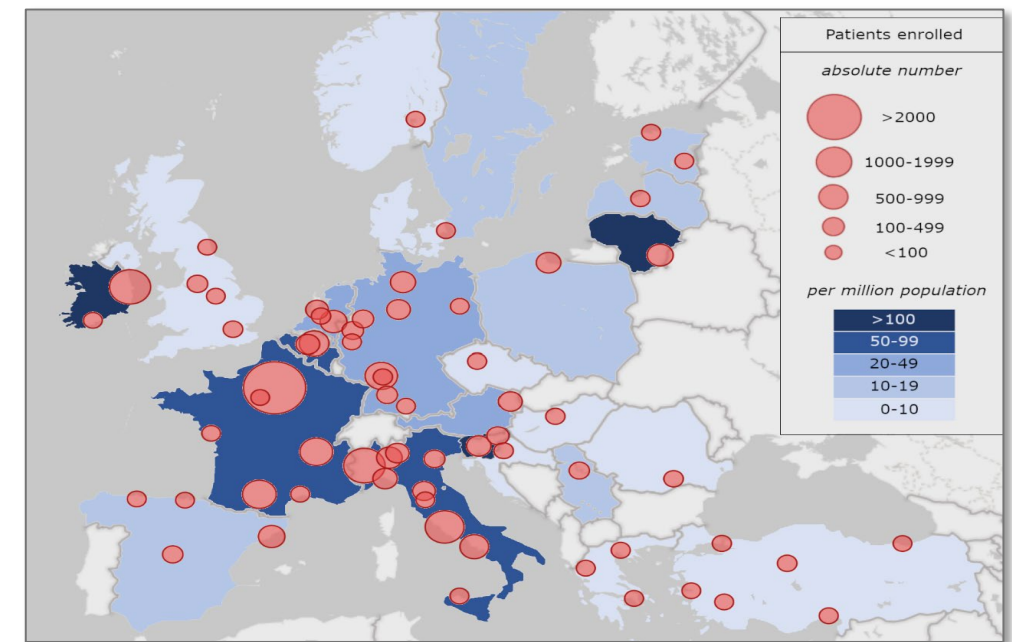
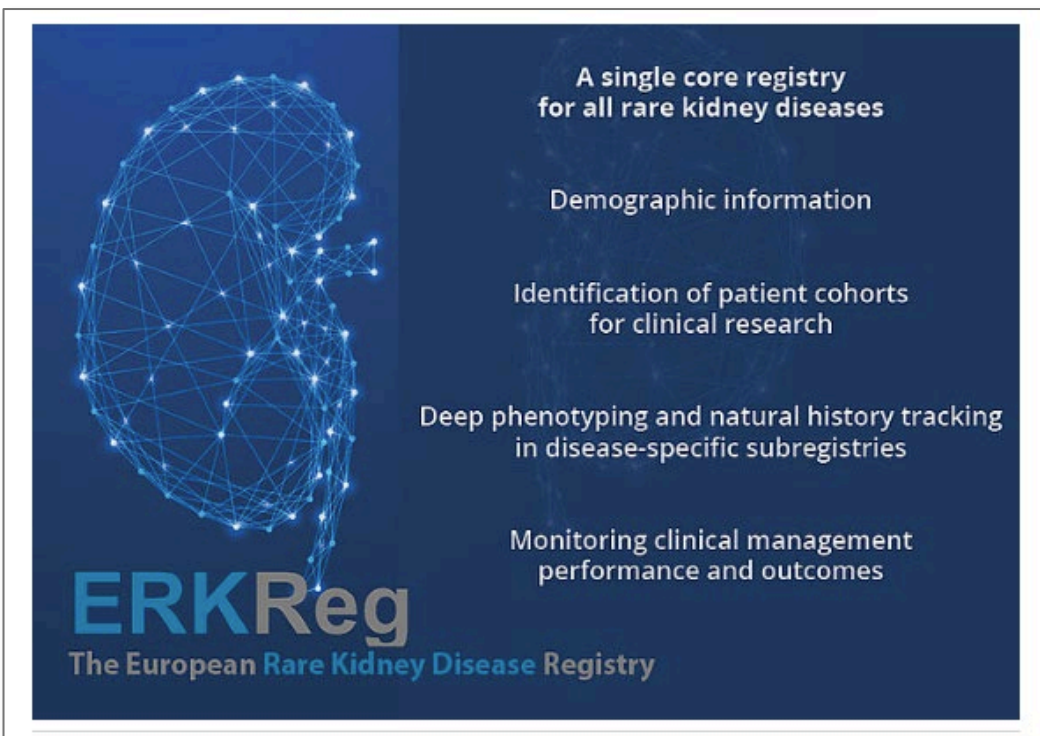




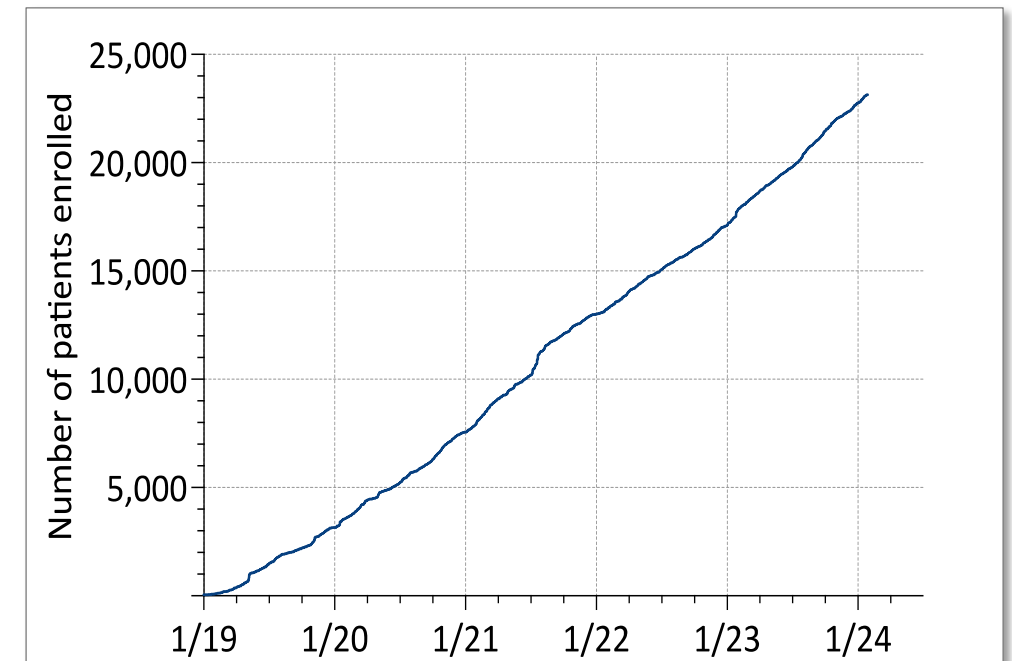
# Onboarding to EMA catalogue for RWD sources and studies: A user experience

**Franz Schaefer**

University of Heidelberg, Germany



- Centralized online registry
- 23,000 patients enrolled since 1/2019 at 80 specialized units in 24 countries
- 7 disease-specific sub-registry extensions
- No. of data items collected:  
Core registry: 231 basic, 215 follow-up  
Subregistries: 72 basic, 278 follow-up



# ERKReg Onboarding to EMA RWD Catalogue

## Preliminary phase:

- First contact with IQVIA
- Presentation of RWD catalogue initiative

**Oct. 2022**

## Validation:

- 1<sup>st</sup> metadata validation
- Feedback from IQVIA
- 2<sup>nd</sup> metadata validation

**Dec. 2022**

**Nov. 2022**

## Population of Data Capture Sheet:

- Sharing of metadata dictionary
- Pre-population of Data Capture Sheet
- Pre-populated ~90% of elements
- Completed of Data Capture Sheet

**Feb. 2023**

## Follow-up:

- Clarification of some elements required
- Metadata refresh

# Our collaboration - Summary

## Main requirement:

- Populate the **Data Capture** Spreadsheet, covering elements as defined in EMA **list of metadata for Real World Data catalogues**

## Process:

- Most elements pre-filled** by IQVIA, using ERKReg data dictionary and other available information  
→ showcases benefits of comprehensive registry documentation
- Validated pre-populated sheet**
- Populated remaining elements**, some requiring additional data processing:
  - Up-to-date contact information
  - Details on family linkage
  - Metrics (e.g. records by country/age, median observation time, patient activity, etc.)
- Defined initial **methodology** for metadata updates and their **frequency** (we agreed on 6-monthly)

Data Capture Sheet (excel format)

Prioritised metadata list					
Variable ID	Variable Name	Variable Description	Standards	Entry description	RESPONSE Please add information to this column
M1.1	Creation date	Date of creation of first entry in the catalogue (Administrative information for catalogue management)	DDMMYYYY		30/11/2022
C1.2	Data source name	Name of data source used in European projects	Free text	Please enter the name of the data source, as used in European projects. If the database is widely known by several names, these can be provided in this field, separated by a ' ' sign. Where the name of the data source is in a local language, the English translation should also be provided, using parentheses.	European Rare Kidney Disease Registry
C1.3	Data source acronym	If applicable	Free text	Enter acronym if applicable	ERKReg
C4.1	Data Custodian	Name of the institution that maintains the data source	Free text	Enter name of the institution that maintains the source	European Rare Kidney Disease Reference Network (ERKNet)

# Our collaboration - Takeaways

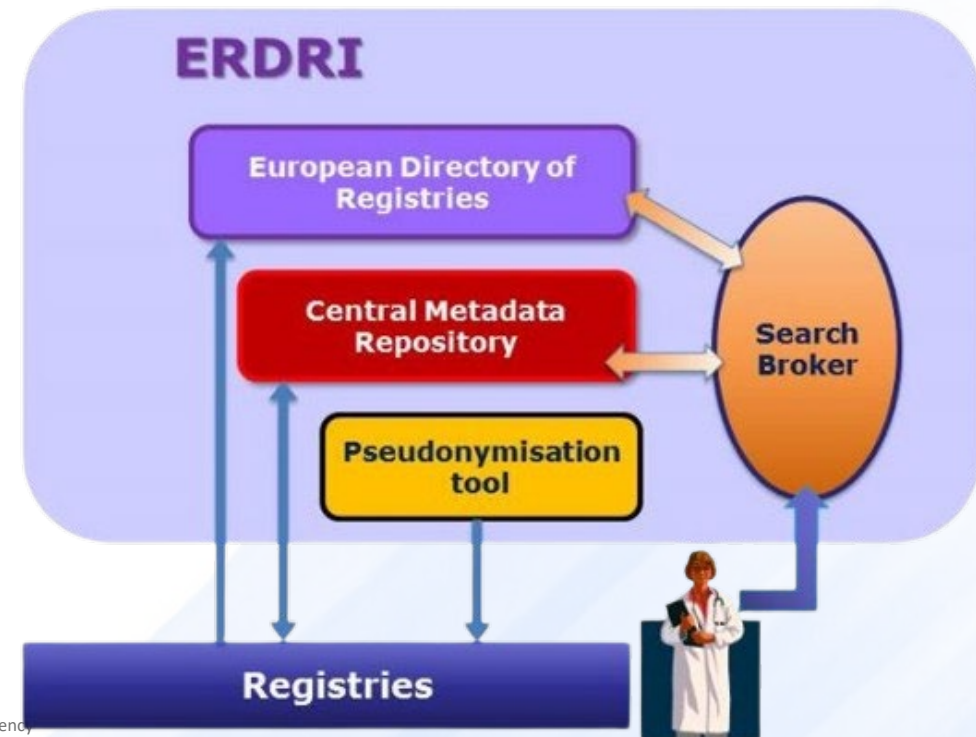
- **Participation** in the EMA RWD catalogue initiative involved streamlined, **easy-to-follow steps**
- After initial kick-off meeting, successive exchanges and validations performed through e-mails
- **Very positive experience** in working with IQVIA colleagues
- ERKNet looks forward to continuing to participate in the EMA RWD catalogues and supporting the needs of all involved stakeholders.



# ERDRI

## European Rare Disease Registry Infrastructure

- **ERDRI** is part of the **EU RD Platform**, offered by the **Joint Research Centre** of the EC.
- **ERDRI** assists in making metadata/data from rare disease registries **searchable** and **findable**.
- Provides **multiple** components and **tools**:
  - European **D**irectory of **R**egistries (ERDRI.dor)
  - Central **M**etadata **R**epository (ERDRI.mdr)
  - **S**earch **b**roker (ERDRI.sebro)
  - Pseudonymisation Tool (ERDRI.spider)
- ERDRI currently includes **129 RD registries**



# ERDRI.dor

## Directory of Registries

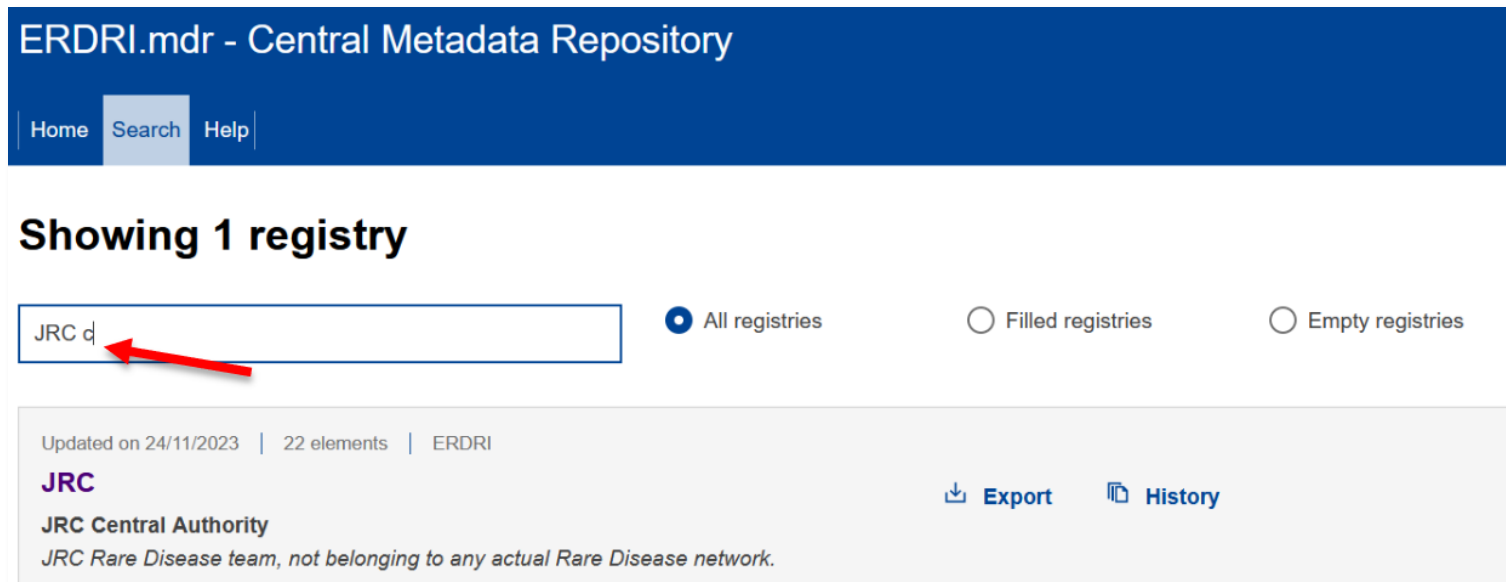
- **ERDRI.dor** provides an overview of the main characteristics and descriptions of participating rare disease registries.
- Data input and curation is managed by **registry holders**.
- Allows **filtered search** to find registries of potential relevance to specific research questions.

Name or Subject	<input type="text"/>	Type	<input type="checkbox"/> Epidemiology
Responsible	<input type="text"/>	<input type="checkbox"/> Clinical	
Rare diseases	<input type="text"/>	<input type="checkbox"/> Basic Research	
ICD-10 code	<input type="text"/>	<input type="checkbox"/> Patient driven	
Country	<input type="text"/> ▼	<input type="checkbox"/> Healthcare planning	
Year of the recruitment	<input type="text"/>	<input type="checkbox"/> Economic evaluation	
		<input type="checkbox"/> HCP contributing to a central registry	
		<input type="checkbox"/> Has a biobank	

# ERDRI.mdr

## Metadata Repository

- **ERDRI.mdr** serves as metadata storage and **facilitates semantic interoperability** between RD registries.
- Includes data element **designations** and their **definitions**.
- **Metadata** items can be uploaded **automatically** or inserted **manually**.



ERDRI.mdr - Central Metadata Repository

Home Search Help

Showing 1 registry

JRC d

☒ All registries ☐ Filled registries ☐ Empty registries

Updated on 24/11/2023 | 22 elements | ERDRI

**JRC**

**JRC Central Authority**

*JRC Rare Disease team, not belonging to any actual Rare Disease network.*

Export History



# ERDRI.sebro

## Search Broker

- **ERDRI.sebro** allows authenticated users to retrieve metadata of their interest from ERDRI-participating registries
- Its search function facilitates the **identification of registries** containing **relevant metadata**
- After identification, a contact form through the EU RD Platform allows the user to **directly communicate** to the registries.

Registry

name/description/acronym

Country

▼

Type of Registry

Rare disease

write at least 4 characters

Metadata

use AND/OR for combinations

Operational in year

Biobank

☐ Has a biobank

Search

Clear filters

Registries: 129

[View in ERDRI.dor](#) | [View in ERDRI.mdr](#) | Italy | None (administrative registry)

JRC Central Authority

JRC

Economic evaluation

+ Add to contact list

Proceed

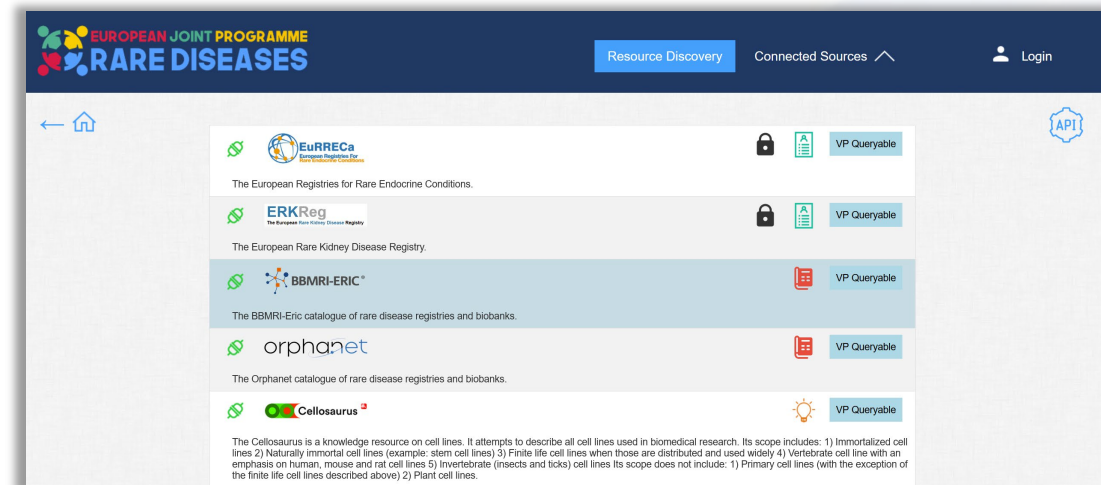
Clear contact list

Selected registries: 0

# EJP RD - Virtual Platform



- The **Virtual Platform** (VP) is a growing **federated ecosystem** of Findable, Accessible, Interoperable and Reusable (FAIR) resources, aimed at serving the RD research community.
- It includes catalogues of resources, **registries**, biobanks, knowledge bases and tools **compliant with agreed standards**.
- The **VP Portal** allows users to query all VP network resources to find those of interest to their research.



# EJP RD - Virtual Platform



- The **VP network** defines **3 levels** of connection:
  - **Level 1:** Resource discovery → **Using resource-provided metadata**
  - **Level 2:** Content discovery → Aggregated data
  - **Level 3:** Data Analysis → Record-level data
- Resources must present their **metadata** in a **harmonised, machine-readable** schema based on the '**Data Catalogue Vocabulary**' (DCAT)
- **Variations** of the metadata model are provided for **each resource type** (e.g. registries, biobanks, catalogues)
- Metadata is then provided **directly by resources** using **FAIR Data Points** (FDPs)