

EUROPEAN  
MEDICINES  
AGENCY

## EMA/HMA catalogue of non-interventional studies (EU PAS Register) - new functionality

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**Industry Stakeholder Platform – Operation of EU Pharmacovigilance**

22 November 2023

Presented by Ana Cochino | Healthcare Data Office

An agency of the European Union



# The EU PAS Register



The EU PAS Register®, European Union Electronic Register of Post-Authorisation Studies, is a publicly available register of **non-interventional post-authorisation studies (PAS)**.

**The Register has a focus on observational research, and its purpose is to:**

Increase **transparency**

Reduce **publication bias**

Promote the **exchange of information** and **facilitate collaboration among stakeholders**, including academia, sponsors and regulatory bodies

Ensure compliance with **EU pharmacovigilance legislation requirements**

# The Scope of the EU PAS Register



## THE SCOPE

EU pharmacovigilance legislation requires (EMA) to **make public the protocols and abstracts of results of non-interventional post-authorisation safety studies (PASS)** imposed as an obligation of marketing authorisation by a competent authority in accordance with **Article 10 or 10a of Regulation (EC) No 726/2004** or with Articles 21a or 22a of Directive 2001/83/EC.

Annex III of the Commission Implementing Regulation (EU) No 520/2012 further specifies that **the final report of imposed non-interventional PASS must provide the date of making it public (in EU PAS Register).**

PASS initiated, managed or financed voluntarily by a marketing authorisation holder and which are required in a Risk Management Plan (RMP) **should also be entered into the EU PAS Register to support the same level of transparency.**

Information on post-authorisation efficacy studies (PAES) that are outside the scope of the Clinical Trials Regulation **should also be entered in the EU PAS Register to support transparency on post-authorisation efficacy studies (PAES)**, whether they are initiated, managed or financed by a MAH voluntarily or pursuant to an obligation.

# Background – need for change



- ENCePP Resources Database and the EU PAS register® were initially set up in 2010 to promote exchange of information on observational research among stakeholders (including academia, sponsors and regulatory bodies)
- The current system was launched based on the relevant technical requirements identified at that time, however has limitations that do not allow to address current needs
- The new EU pharmacovigilance legislation that came into force in 2012 made it mandatory for MAHs to register PASS imposed as a legal obligation by regulators (RMP category 1 and category 2 studies) and for EMA to make public in a portal the protocol and an abstract of the study results of these studies
- Subsequently the EU Good pharmacovigilance practices Module VIII recommended to register all other PASS included in the RMP (RMP category 3 studies)
- Only a limited number of upgrades could be made since 2012

# Key features – linked catalogues (1/5)

The **study catalogue** and the **data sources catalogue** will be linked with possibility to **view information about data sources used in the study and vice versa**

Support the **assessment of study protocols and study results** by providing quick access to information on the suitability of data source(s) proposed to be used in the study protocol or referred to in the study report

Draft **Good practice guide** provides details and use cases on how the catalogue can be used in this respect

Long term, prospective, observational cohort study evaluating the safety profile in patients with highly active relapsing multiple sclerosis (RMS) newly started on oral cladribine (CLARION)

First published: 19/09/2023 Last updated: 19/09/2023  
EU PAS number: EUPAS24484

Study Ongoing

Download as PDF

Administrative details Methodological aspects Data management

Page content

- ENCePP Seal
- Data sources
- Use of a Common Data Model (CDM)
- Data quality specifications
- Data characterisation

ENCePP Seal

Conflicts of interest of investigators

Test demo.pdf  
Last updated: 19/09/2023  
English (11.4 KB - PDF) View document

Composition of steering group and observers

Test demo.pdf  
Last updated: 19/09/2023  
English (11.4 KB - PDF) View document

Signed code of conduct

Test demo.pdf  
Last updated: 19/09/2023  
English (11.4 KB - PDF) View document

Signed code of conduct checklist

Test demo.pdf  
Last updated: 19/09/2023  
English (11.4 KB - PDF) View document

Signed checklist for study protocols

Test demo.pdf  
Last updated: 19/09/2023  
English (11.4 KB - PDF) View document

Data sources

Data source(s)	CureDRFLA Global Patient Registry
Data sources, if not available in the list above	The Swedish prescribed drug register
Sources of data (types)	Disease registry

# Key features – search (2/5)

- Possibility to **search** information: search for studies using various filters e.g. scope of study (e.g. safety, effectiveness), whether required by a regulator, RMP category, study status (planned, ongoing, finalized)
- Integrated search of studies and data sources
- Possibility to filter, sort and export search results in csv (including all fields of a study record)
- **Integration with EMA website content:** studies will be visible in the relevant **medicines overview page** in the EMA website (connection to summary of RMP, EPAR, PI) - this feature will be released after go-live in a second phase

## EMA CATALOGUES

My dashboard Log out Search

Home Studies Data Sources Institutions Networks FAQ

Home > Search

## Search Catalogues

hepatitis

Search

### Filter options

Document type

☐ Data source

☐ Study

☐ Institution

☐ Network

Apply Clear

### Results (3)

Sort by Newest first

**WEUSKOP7136:** A global, prospective cohort study to evaluate the real-world use of eltrombopag in adult patients with chronic Hepatitis C Virus infection who are unable to initiate or maintain optimal interferon-based therapy due to thrombocytopenia

Greece **First published:** 20/09/2023 **Last updated:** 20/09/2023

**Study** **Planned**

**Hepatitis Delta International Network (HDIN) - Patient Registry**

Austria **First published:** 19/09/2023 **Last updated:** 19/09/2023

Belgium  
Brazil  
Germany  
Greece  
Italy  
Mongolia  
Pakistan  
Romania  
Turkey  
United States

**Data source** Hospital inpatient records Hospital outpatient visit records Primary care medical records

## Search Catalogues

My search term

Search

### Filter options

Document type

☐ Data source

☐ Institution

☐ Network

☒ Study

Country

Select Value +

Data source type

Choose

ENCePP Seal

☐ Yes

Study type

Choose

Scope of the study

Select Value +

Study topic

Select Value +

### Results (4)

Sort by Newest first

Export results

Long term, prospective, observational cohort study evaluating the safety profile in patients with highly active relapsing multiple sclerosis (RMS) newly started on oral cladribine (CLARION)

Australia **First published:** 19/09/2023 **Last updated:** 19/09/2023  
Canada  
Denmark  
Norway

**Study** **Ongoing**

Accuracy of Pleth Variability Index (PVI) in Predicting Response to Intravenous Fluid load During Scoliosis Surgery in Children.

France **First published:** 19/09/2023 **Last updated:** 19/09/2023

**Study** **Planned**

Misuse and Abuse of Loperamide in the United States

United States **First published:** 19/09/2023 **Last updated:** 20/09/2023

**Study** **Finalised**

The risk of cardiovascular adverse effects associated with JAK inhibitors in rheumatoid arthritis: a protocol for a systematic review and meta-analysis

Italy **First published:** 19/09/2023 **Last updated:** 19/09/2023  
Spain

**Study** **Finalised**

## Key features – export (3/5)

Long term, prospective, observational cohort study evaluating the safety profile in patients with highly active relapsing multiple sclerosis (RMS) newly started on oral cladribine (CLARION)

First published: 19/09/2023 Last updated: 19/09/2023

EU PAS number: EUPAS24484

Study Ongoing

Download as PDF

Possibility to export information:  
**export of study records in PDF**  
form and **documents stored within**  
**a record e.g. study protocol**

Administrative details Methodological aspects **Data management**

### Page content

ENCePP Seal

Data sources

Use of a Common Data Model (CDM)

Data quality specifications

Data characterisation

### ENCePP Seal

### Conflicts of interest of investigators



Test demo.pdf

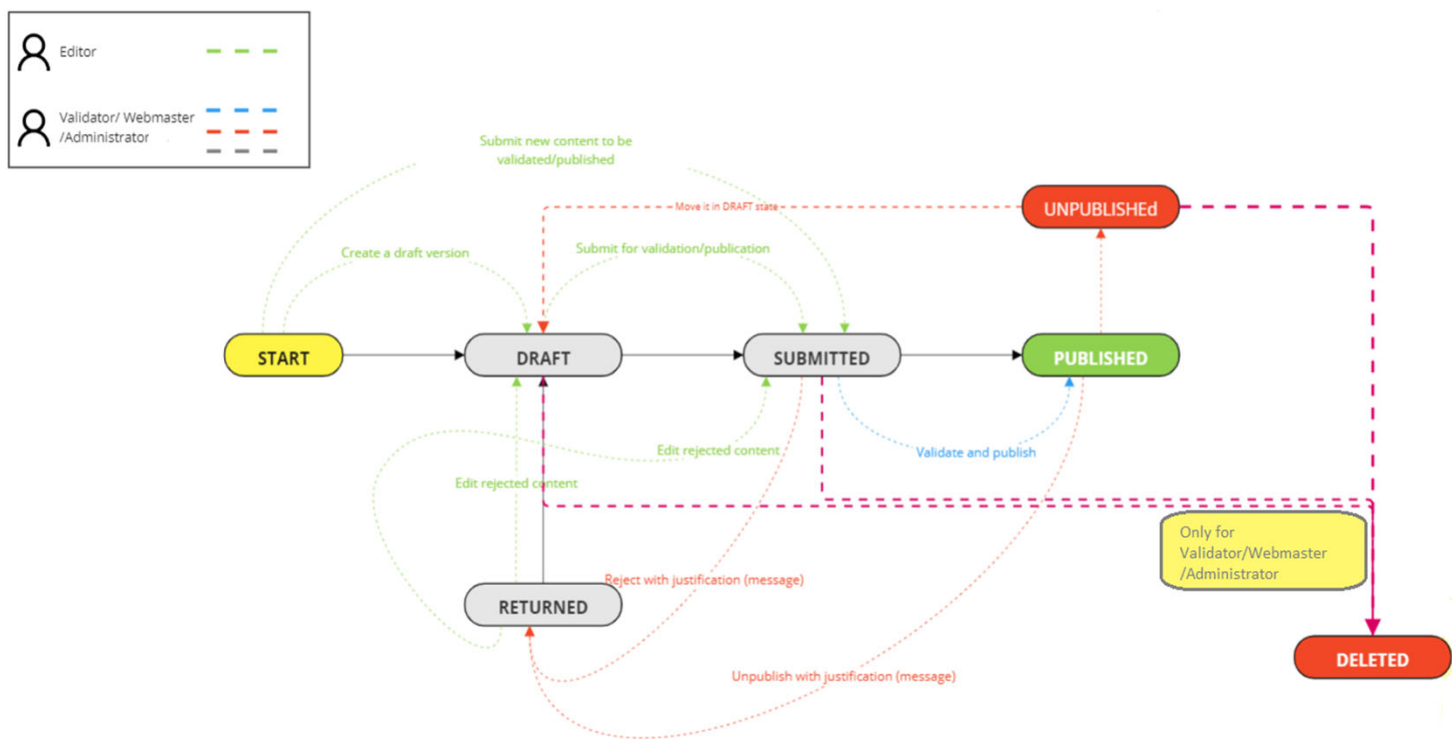
Last updated: 19/09/2023

English (11.4 KB - PDF)

View document

## Key features – workflow (4/5)

### CONTENT MODERATION WORKFLOW



- User **registration and login**: EU login authentication service of the EC
- The approval/rejection of data will trigger **e-mail notifications to user submitting data** (i.e. the EMA administration functions)
- **Notifications will also prompt users** to update their records



# Key features – collaboration (5/5)



Content owners will be able to **add collaborators**, who will be able to edit the records

EMA CATALOGUES

My dashboard Log out Search

Home Studies Data Sources Institutions Networks FAQ

Home

> A 5-year multi-center, observational post-authorization safety study to document the drug utilisation of Wakix® in the treatment of narcolepsy with or without cataplexy and to collect information on its long termthe safety of Wakix® when used in routine m

View Co-authors Edit Revisions

CO-AUTHOR	INVITED BY	CHANGED	STATE	
Aikaterini-Christina DELI	Federico GRIGOLETTI	Wed, 20/09/2023 - 12:14	Pending	Delete

Add co-author

Email address \*

Submit

CATALOGUES OF DATA SOURCES AND EU PAS REGISTER

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EMA CATALOGUES

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Home Studies Data Sources Institutions Networks FAQ

Home > Dashboard

Welcome to your dashboard

+ Add content

My collaboration requests

New content is transferred to you by one of your colleague. Please read the T&C and the Privacy statement before accepting it, so to be informed as you will be in charge of maintaining this content.

TYPE	TITLE	INVITED BY	UPDATED	STATUS	
Study	Misuse and Abuse of Loperamide in the United States	Aikaterini-Christina DELI	Wed, 20/09/2023 - 12:06	Pending	Accept
Data source	EFEMERIS	Aikaterini-Christina DELI	Wed, 20/09/2023 - 12:12	Pending	Accept

My content

TYPE	TITLE	UPDATED *	PUBLICATION STATUS	MODERATION STATE	
Study	A 5-year multi-center, observational post-authorization safety study to document the drug utilisation of Wakix® in the treatment of narcolepsy with or without cataplexy and to collect information on its long termthe safety of Wakix® when used in routine m	20/09/2023 - 12:14	Unpublished	Draft	Edit
Study	Long term, prospective, observational cohort study evaluating the safety profile in patients with highly active relapsing multiple sclerosis (RMS) newly started on oral cladribine (CLARION)	20/09/2023 - 11:52	Published	Returned	Edit

# Context – studies catalogue in the wider project scope



A **pilot study** (MINERVA) was conducted by a consortium including 16 organisations from 9 countries to propose an initial set of metadata elements to be collected

- The consortium conducted **interviews** and collected information from multiple key stakeholders (e.g.: FDA Sentinel, CNODES, EHDEN/OHDSI, ASPEN, Aetion, Fairplus) to build on an initial proposal of data elements to collect

A metadata **stakeholder workshop** was organised in April 2021 to further refine the proposal and collect further feedback

Two dedicated **surveys** were launched:

- (initial) open to ENCePP community
- (follow-up) Industry, ISPOR/ISPE, international regulators

**Webinar** involving TEHDAS, NCA representatives (via EUNDB, BDSG)

▶ Finalised list published ([EMA website](#))

A Partnership of the EU PE&PV Research Network, the SIGMA Consortium, and Collaborators

EUPAS 39322

## Metadata list describing real world data

A list of metadata describing **real-world data sources** and **studies** is available below to help pharmaceutical companies and researchers to identify and use such data when investigating the use, safety and effectiveness of medicines.

[List of metadata for Real World Data catalogues \(PDF/299.03 KB\)](#)

First published: 10/06/2022  
EMA/563896/2022

Real-world data are observational data stored in repositories such electronic health records and disease registries. Making use of these data sources can improve the evidence available to support **benefit-risk decisions** and facilitate getting better medicines to **patients**.

## I. Study – Administrative details

- 1) (EU PAS) Study title and acronym: [<free text>](#) (F1.2)
- 2) (EU PAS) EU PAS register number: [<number>](#) (F2.2)
- 3) (EU PAS) Brief description of the study [<free text>](#) (F10)
- 4) (EU PAS) Study status [<select one: planned | ongoing | finalised>](#) (F11)
- 5) Institution conducting the study: [<free text\lookup of institutions>](#) (F1.3)

Study institution contact name: [<free text>](#) (F1.4)

Study institution contact email: [<free text>](#) (F1.5)

Additional institutions: [<free text>](#) (F1.7)

(EU PAS) Primary lead investigator name [<free text>](#) (F12)

(EU PAS) Primary lead investigator contact email [<free text>](#) (F13)

Primary lead investigator ORCID: [<number>](#) (F1.6)

- 6) (EU PAS) Study timelines: initial administrative steps, progress reports and final report

	Planned	Actual
Date when funding contract was signed	<a href="#">&lt;date&gt;</a> (F19)	<a href="#">&lt;date&gt;</a> (F19.1)
Start date of data collection	<a href="#">&lt;date&gt;</a> (F20)	<a href="#">&lt;date&gt;</a> (F20.1)
End date of data collection	<a href="#">&lt;date&gt;</a> (F2.10)	<a href="#">&lt;date&gt;</a> (F2.10.1)
Start date of data analysis	<a href="#">&lt;date&gt;</a> (F21)	<a href="#">&lt;date&gt;</a> (F21.1)
Date of interim report, if expected	<a href="#">&lt;date&gt;</a> (F22)	<a href="#">&lt;date&gt;</a> (F22.1)
Date of final study report	<a href="#">&lt;date&gt;</a> (F23)	<a href="#">&lt;date&gt;</a> (F23.1)

- 7) Network conducting the study (if applicable): [<free text\lookup of networks>](#) (F1.8)
- 8) (EU PAS) Country where the study is conducted [<select multiple: ISO 3166-1 country codes>](#)
- 9) Source of funding: [<select multiple: EU institutional research programme | non-EU institutional research programme | EMA | national competent authority \(NCAs\) | other public funding \(e.g.: hospital, university\) | non for-profit organisation \(e.g., charity\) | pharmaceutical company and other private sector | no external funding| other>](#) (F8.8)

If 'other', further details on the scope of the study: [<free text>](#) (F8.8.1)

- 10) Protocol link: A link to the latest version of the protocol, if published [<weblink>](#) (F2.1)

Protocol document [<uploaded document>](#) (F2.3)

- 11) (EU PAS) Study required by a regulator [<select one: Yes | No | I don't know>](#) (F14)
- 12) (EU PAS) Is the study required by a Risk Management Plan (RMP) [<select one: Not applicable | EU RMP category 1 \(imposed as condition of marketing authorisation | EU RMP category 2 \(specific obligation of marketing authorisation | EU RMP category 3 \(required\) | Non-EU RMP only>](#) (F14.1)
- 13) (EU PAS) Regulatory procedure number (RMP Category 1 and 2 studies only): [<free text>](#) (F14.2)
- 14) (EU PAS) Other study registration identification numbers and URLs as applicable: [<free text>](#)

Classified as internal/staff & contractors by the European Medicines Agency

## VI. Study – Data management

43) (EU PAS) ENCePP seal <Y/N> (F9)

44) (EU PAS) ENCePP seal relevant documents:

- ☐ Conflicts of interest of investigators <uploaded document> (F9.1)
- ☐ Composition of steering group and observers <uploaded document> (F9.2)
- ☐ Signed code of conduct <uploaded document> (F9.3)
- ☐ Signed code of conduct checklist <uploaded document> (F9.3.1)
- ☐ Signed checklist for study protocols <uploaded document> (F9.4)

45) Number of data sources: <number> (F3.2)

46) Names of data sources: <free text|lookup of data sources> (F3.4)

47) Sources of data: <select multiple: clinical trial | non-interventional study | electronic healthcare records (EHR) | administrative data (e.g. claims) | drug utilisation data | drug dispensing/prescription data | disease registry | drug registry | population registry | pregnancy registry | spontaneous reporting system | laboratory data | -omics | social media | patient surveys | data from digital health wearables | expanded access program / compassionate use | published literature | other> (F8.7)

If 'other', further details on the sources of data: <free text> (F8.7.1)

48) CDM mapping: Were data sources in the study ETL-ed to a CDM? <y/n> (F4.1)

CDM name: <free text> (F4.2)

CDM mapping version: <free text> (F4.3)

49) The following data quality specifications apply for the study (tick as applicable):

- ☐ Data characterisation conducted (F5.1)

If 'yes', Data characterisation moment: At what stages of the study were data characterisation steps or quality checks implemented? <select multiple: after data extraction| after extract-transform-load to a common data model| after creation of study variables> (F5.2)

If 'yes', Data characterisation details: Provide a summary description of the data characterisation or quality check process <free text| weblink> (F5.7)

If 'yes', Data characterisation results: Provide results of the data characterisation or quality checks, such as Sentinel Common Data Model level 1-4 checks. <uploaded document| weblink> (F5.8)

- ☐ Check conformance: Was a check of the conformance of data (i.e., data are in the correct format/syntax) completed? (F5.3)
- ☐ Check completeness (F5.4)
- ☐ Check stability: Was a check of the stability of data (e.g., codes) over time completed? (F5.5)
- ☐ Check logical consistency (F5.6)

50) Procedure of data extraction: Upload or provide a link (e.g., GitHub) to the procedures, such as codes or scripts, used to extract data from the data source instance used in the study <uploaded document| weblink> (F6.1)

51) Procedure of result generation: Upload or provide a link (e.g., Github) to the procedures, such as study scripts, used to generate the study results <uploaded document| weblink> (F6.2)

# Study | Methodological Aspects

## II. Study – methodological aspects

15) The study is concerning: [<select multiple>](#) human medicinal product | veterinary medicinal product | herbal medicinal product | medical device | disease/health condition | medical procedure | other> (F8.1)

If 'other', further details on the study topic: [<free text>](#) (F8.1.1)

16) Study type: [<select one>](#) clinical trial | non-interventional study | not applicable> (F8.2)

If 'Not applicable', further details on the study type: [<free text>](#) (F8.2.1)

[If Study type = clinical trial](#)

17) Clinical trial regulatory scope: [<select one>](#) pre-authorisation clinical trial | post-authorisation interventional clinical trial | post-authorization low-interventional clinical trial | clinical trial not subject to marketing authorization> (F8.2.2)

18) Phase of the clinical trial (where applicable): [<select one>](#) phase 1 | phase 2 | phase 3 | phase 4> (F8.4)

19) Clinical trial study design:

- Clinical trial randomisation: [<select one>](#) randomised clinical trial | non-randomised clinical trial> (F8.3)
- Clinical trial types : [<select multiple>](#) low-interventional clinical trial | single-arm trial | large simple trial | pragmatic clinical trial | cluster randomised trial > (F8.3.1)

[If Study type = non-interventional study](#)

20) Non-interventional study design: [<select one>](#) cohort | case-control | case-only | cross-sectional | ecological | cluster design | systematic review and meta-analysis | other> (F8.3.2)

If 'other' design of non-interventional study, further details: [<free text>](#) (F8.3.2.1)

21) Data collection methods: [<select one>](#) primary data collection | secondary data collection | combined primary and secondary data collection | no individual level data collected for the purpose of the study> (F8.5)

22) Scope of the study: [<select multiple>](#) effectiveness study (incl. comparative) | safety study (incl. comparative) | assessment of risk minimisation measure implementation or effectiveness | drug utilisation | healthcare resource utilization | disease epidemiology | patient reported outcomes | feasibility analysis | validation of study variables (exposure, outcome, covariate) | hypothesis generation (including signal detection) | method development or testing | scoping review (including literature review) | other > (F8.6)

If 'other', further details on the scope of the study: [<free text>](#) (F8.6.1)

23) (EU PAS) Study drug information - ATC [<ATC code>](#) (F15)

24) (EU PAS) Study drug information - INN [<INN list>](#) (F16)

25) (EU PAS) Study drug information - brand name [<free text>](#) (F17)

26) (EU PAS) Medical condition to be studied [<MedDRA list>](#) (F18)

27) (EU PAS) Additional medical condition(s) [<free text>](#) (F18.1)

28) (EU PAS) Population studied: A short description of the study population [<free text>](#) (F2.5)

29) (EU PAS) Population studied: Age groups: [<select multiple>](#) newborn infants (0 to 27 days) | infants and toddlers (28 days to 23 months) | children (2 to 11 years) | adolescents (12 to 17

30) (EU PAS) Special population of interest: [<select multiple>](#) immunocompromised | renal impaired | hepatic impaired | women of child-bearing age | pregnant women | lactating women | other > (F8.9)

If 'other', further details on the population of interest: [<free text>](#) (F8.9.1)

31) (EU PAS) Population: estimated number of subjects [<number>](#) (F2.5.2)

32) Setting: A short description of the study setting [<free text>](#) (F2.11)

33) Main study objective: A short description of the study objective [<free text>](#) (F8.10)

34) Interventions: A short description of the study interventions [<free text>](#) (F2.6)

35) Comparators: A short description of the study comparators [<free text>](#) (F2.7)

36) Outcomes: A short description of the study outcomes [<free text>](#) (F2.8)

37) Study design: A brief summary of the study design [<free text>](#) (F2.13)

38) Data analysis plan: A brief summary of the analysis method (e.g. risk estimation, measures of risk, internal/external validity) [<free text>](#) (F2.12)

39) Summary of results: A brief summary of the results of the study completion (from abstract) [<free text>](#) (F6.3)

Results tables [<uploaded document>](#) (F6.4)

40) Study publications: Peer-reviewed papers reporting the study [<AMA citation format>](#) (F7.1)

41) Study report: [<uploaded document>](#) | [weblink>](#) (F7.2)

42) Study, other information: A list of URLs to other relevant resources describing the study [<weblink>](#) (F7.3)

# Context – studies catalogue in the wider project scope

## Type of data collected (additional to studies data)

### Data Sources

Metadata containing the details of the data source (e.g. data source countries, data elements collected, etc.)

### Studies

Metadata describing studies conducted using data sources described in the catalogue  
EU PAS Register

### Institutions

Metadata describing any contributor to the catalogue, their role and expertise (institution country, etc.)

### Networks

Metadata describing networks/consortia linking to institutions and studies in the catalogue (network name, website, etc.)

Reviewed by European Network Data Board	28 April 2022
Adoption by Big Data Steering Committee	03 June 2022
Sent for information to Heads of Medicines Agencies	07 June 2022
Sent for information to EMA Management Board	07 June 2022
Sent for information to European Commission	07 June 2022

# Summary – Upcoming Changes



The EU PAS will move from the current ENCePP website to EMA website

- The current ENCePP website will also be re-built
- Re-direct of weblinks will happen automatically
- Information on PASS studies to be integrated with other published product documentation

The information collected on studies is re-organised, expanded and linked with the information on data source  
The current login will change to a two-factor authentication (this is for user submitting or managing data)

Existing studies data will be migrated to the new website

A downtime of 2-3 weeks will be needed for the switch between system

- Communication with exact dates will follow – likely early 2024

An EMA validation will occur in the backend before publication

All validated study information remains freely available to any website visitor