

# 7<sup>th</sup> ERN EURO-NMD ANNUAL MEETING

## Presentation of the ERN EURO-NMD activities: CPMS

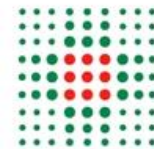
21<sup>st</sup> – 23<sup>rd</sup> February 2024

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**Azienda Ospedaliero Universitaria di Ferrara**



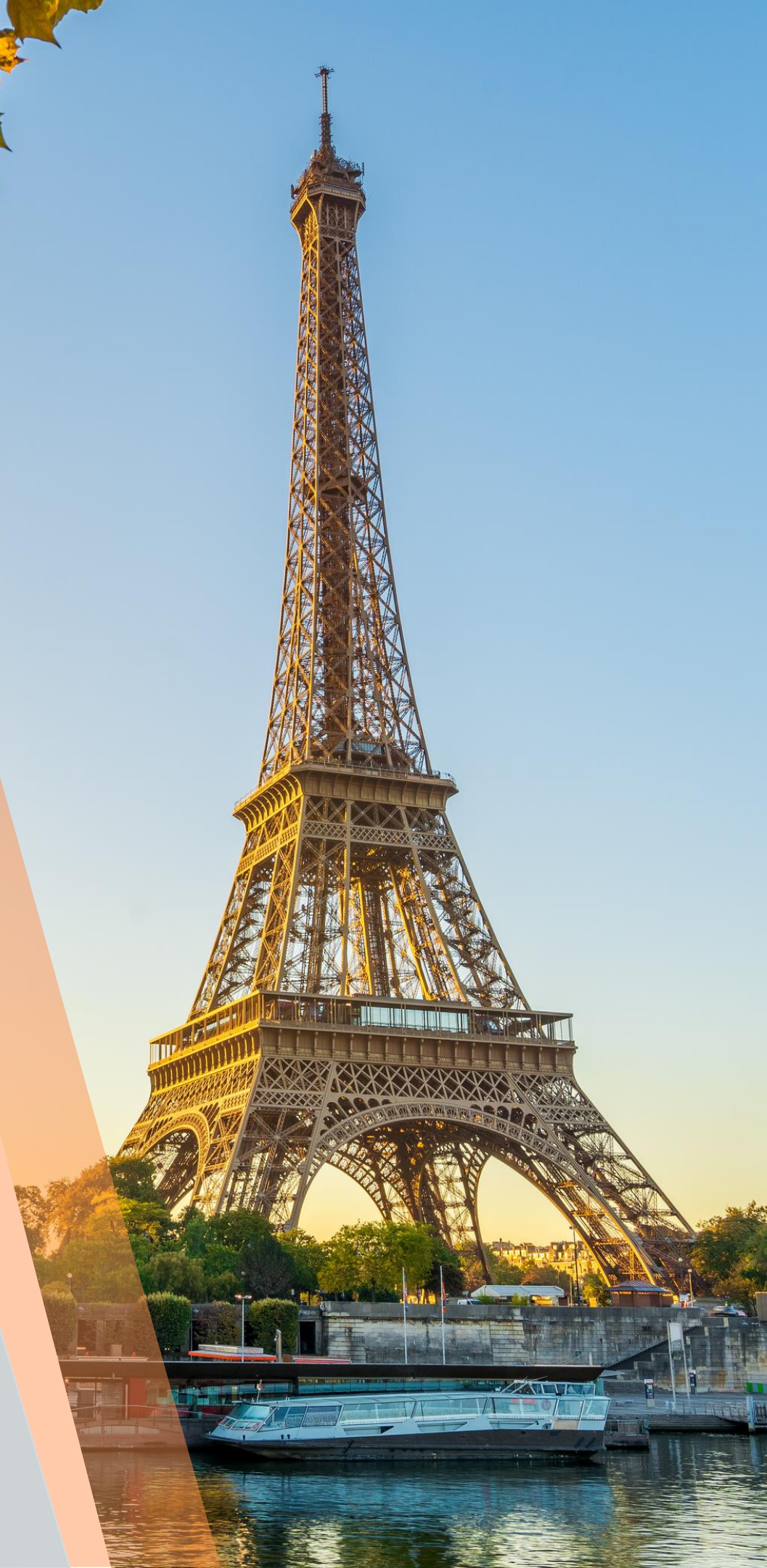
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# THE IMPORTANCE OF CPMS IN ERN CONTEXT

European Reference Networks | ERN

## Clinical Patient Management System (CPMS)

The CPMS aims at supporting ERNs in improving the diagnosis and treatment of rare or low prevalence complex diseases across national borders of Member States in Europe.

The CPMS is a secure Software as a Service (SaaS) that enables health professionals to enroll patients using comprehensive data models. Health professionals can use the CPMS to collaborate actively and share patient within and across ERNs.

The CPMS is supported by Virtual Communication Tools and DICOM viewers to facilitate the interaction between clinicians. Reporting tools are among the functionality of the system to seamlessly empower users to generate reports of interest for administrative and clinical purposes.

The site may change as we endeavour to incorporate suggestions from our Clinical Advisors, particularly in the area of Graphics and Reporting.



## Secure Login

You can Login to the CPMS ERN through the EU Login Authentication Service.

[Login via EU Login](#)

- Only authenticated users (EU Login) can access or request access to CPMS. To create an EU Login click [here](#).
- Only authorised users (SAAS) can access CPMS. To request authorisation to use CPMS click [here](#).
- To access or request access to the ERN Collaborative Platform (ECP) click [here](#).
- For more information about the European Reference Networks for Rare Disease, please visit [ec.europa.eu](http://ec.europa.eu).



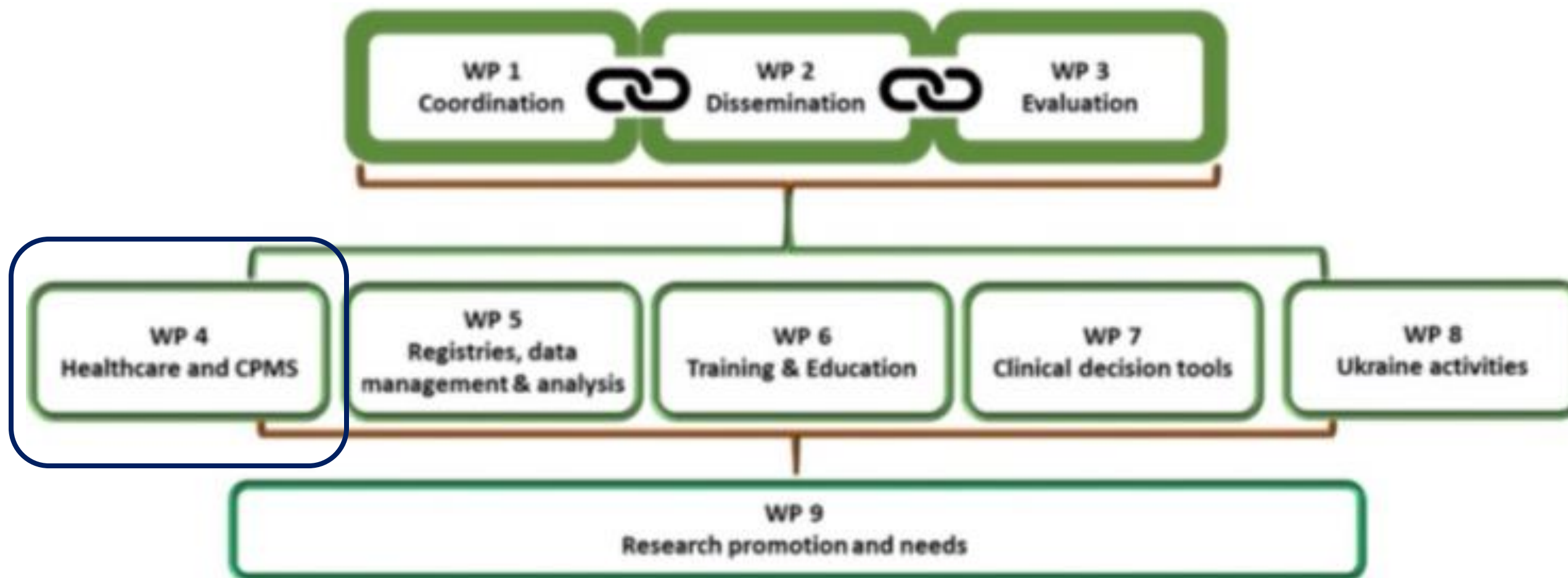
- **CPMS** aims at supporting ERNs in improving the **diagnosis** and the **treatment** of **rare or low prevalence complex diseases** across national borders of Member States in Europe
- It is a secure **Software** for **sharing clinical data** including **medical imagery**
- Health professionals can use the CPMS to **collaborate actively within and across ERNs**

**The focus is first on diagnosis and treatment for patients by providing tools for collaboration and virtual consultations**



# CALL: EU4H-2023-ERN-IBA- DIRECT GRANTS TO ERNs

Support for the coordination, management, and operational activities of the ERNs



## WORK PACKAGE 4: HEALTHCARE AND CPMS

### Objectives

- Provide **highly specialised virtual multidisciplinary advice** on patients with rare neuromuscular diseases using the CPMS
- Implement the use of CPMS for **cross-border consultations**
- Contribute to **development** and **testing of the new CPMS**
- Carry **CPMS dissemination-related activities** (i.e. delivery of white papers statement)

**Lead**

**Azienda Ospedaliero Universitaria di Ferrara**

## ACTIVITIES PLANNED: SEVEN TASKS

### **Virtual CPMS teaching courses**

Organization of **CPMS training** to facilitate its use within the ERN

### **CPMS focus group (“CPMS DAYS”)**

CPMS panels to discuss **specific disease/phenotypes/atypical cases**, related **genetic, clinical and imaging aspects**, **eligibility to orphan drugs**

### **Pilot reimbursement scheme to provide financial support for review of cases to ERN EURO-NMD members**

Development and implementation of the **Pilot reimbursement scheme** for **medical discussions** through the CPMS

## ACTIVITIES PLANNED: SEVEN TASKS

### Development and testing of the new CPMS

Active participation in the process of **development, implementation** and **testing** of the **new CPMS**

### CPMS helpdesk

Support to the **CPMS users**

### Development of Guest Virtual Centres as a strategy for CPMS access by under-covered regions or countries

Developing **guest virtual centres** to address coverage issues within **EU**, with the perspective of expanding towards **new territories**

### CPMS-EURO-NMD Registry Working Group

Investigating possible **sharing modalities** between **CPMS** and **registry**

## MILESTONES AND DELIVERABLES

Milestone	Description
<b>Increase the skill in using CPMS</b>	<b>Monitoring of the number of new or reopened case discussions in the CPMS in comparison to baseline</b>
<b>Deployment plan of the Pilot reimbursement scheme</b>	<b>Discussion and adoption of the rules to be applied for the beneficiaries of the Pilot reimbursement scheme</b>

Deliverables
<b>CPMS activities report for year 1 and 2</b>
<b>CPMS activities report for year 3 and 4</b>
<b>CPMS dedicated discussion on topics/diseases with commonalities</b>
<b>Defining the Pilot reimbursement scheme</b>
<b>Report on active participation in the new CPMS development, implementation and testing</b>

## THE NEW CPMS: CPMS 2.0

**New ERN platform for cross-border  
clinical discussions**

**Available for Desktops and Mobiles**

**Secure Software respecting GDPR  
requirements**

### **CPMS 2.0 functionalities**

- **Editing profile**
- **Entering patient data**
- **Uploading files**
- **Organizing meeting (experts,  
group of experts and guests)**
- **Outcome and reports**

### **Flexibility**

**Configurations and monitoring  
functions that can be used by  
ERNs, Hospitals, Member States  
and the EU Commission**

**Same capacities as the previous CPMS but more friendly, intuitive  
and easy to use!**



# DATA MIGRATION STRATEGY AND TIMELINE

## Data Migration Strategy

The main approach per ERN for data migration strategy will include:

- **Stop using the current CPMS**
- **Data migration** (downtime will be further confirmed)
  - • **Launch of data migration**
  - • **Validation of the migrated data in CPMS 2.0 by ERN users**  
(preliminary tests to be organized for volunteering)
- **Start using CPMS 2.0**

### Simplified alternative

- Similar approach but **without any patient data migration** (applicable to some ERNs if there are panels that do not need to be transferred to CPMS 2.0)

## Tentative timeline proposed

Task	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Prepare migration ERNs generic dataset	■	■		
Test migration ERNs generic dataset		■	■	
Migrate ERNs generic dataset		■	■	
Prepare migration ERNs specific datasets		■	■	
Test migration ERNs specific datasets		■	■	
Migrate ERNs specific datasets			■	■
Full stop current CPMS			■	

## EXPECTED RESULTS

**Maximizing the use of ERN digital tools (as CPMS) and e-Health activities is one of the mission of ERNs**

We expect to achieve the following «**core**» results:

- **Expand** the provision of **highly specialised virtual multi-disciplinary advice** on patients with rare neuromuscular diseases using CPMS
- **Increase** the **number of patient cases** discussed using CPMS, encouraged by the **implementation of pilot reimbursement scheme** and by **virtual CPMS training**
- **Contribute** with **hands-on input** to the changes of the **new version CPMS**
- **Identify interoperability strategies** between **CPMS** and **registry**

**WP4 Project Team at AOU  
Ferrara:**

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**Thanks for your  
attention!**

**For information/support: [frtfnn@unife.it](mailto:frtfnn@unife.it)**



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Reference  
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