How European Joint Programme on Rare Diseases can support paediatric research

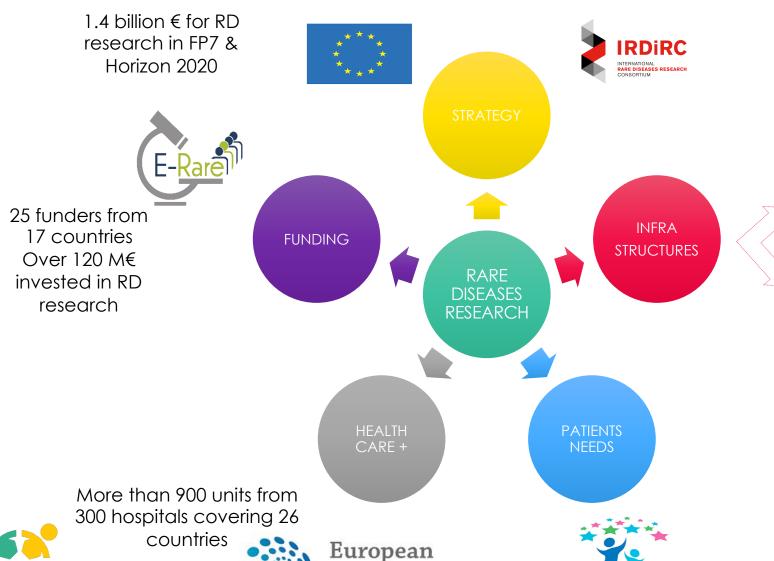
Daria Julkowska INSERM, France





EPTRI Roundatble 09/07/2020, Online event

Rare Diseases Landscape in Europe



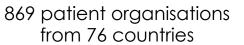
Reference

Networks











85% of
European RD community
(directly or indirectly)
involved in EJP RD

750 people:

650 Scientifics **100** Admin

35
participating
countries

87 Beneficiaries:

9 hospitals
12 research institutes
31 research funding bodies/ministries
24 universities/hospital universities
5 EU infrastructures
5 charities/foundations
EURORDIS



50

Linked Third Parties

And 100% of the associated networks

EURORDIS:

884 RD patient organisations 72 countries

ECRIN-ERIC

24 ERNs:

300 institutions

>950 healthcare units

26 countries

12 main national nodes

EATRIS-ERIC

13 main national nodes`

INFRAFRONTIER

23 partners 15 countries

ELIXIR

220 research organisation 23 partners

BBMRI-ERIC

/1 international partner 21 main national nodes 20 countries





EJP RD STRUCTURE





COORDINATION & TRANSVERSAL ACTIVITIES

INTEGRATIVE RESEARCH STRATEGY

SUSTAINABILITY

ETHICAL & REGULATORY

COMMUNICATION

1

FUNDING

COORDINATED
ACCESS TO
DATA &
SERVICES

2

3

CAPACITY
BUIDLING &
EMPOWERMENT

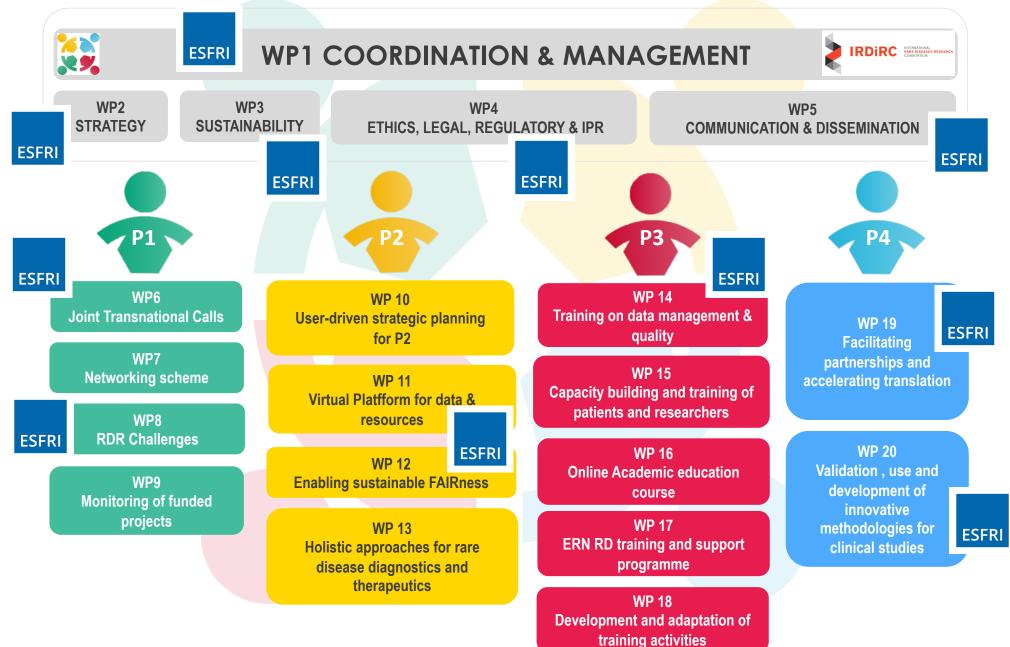
ACCELERATING
TRANSLATION
OF RESEARCH &
THERAPY
DEVELOPMENT

4





Why together is better than separately?







Support for paediatric research in EJP RD (current status)

- EJP RD Central Helpdesk → support any incoming demand including paediatric

 EJP RD Central Helpdesk → support any incoming demand including paediatric research related issues and redirects to specific experts (e.g. EPTRI, C4C, ERNs)
- \mathbb{R} Advisory, Regulatory, Ethics Board of EJP RD \rightarrow supports demands in relation to padiatric research (again internal exprtise of involved partners is seek when needed)
- \mathbb{R} Pillar 1 funding activities (WP6, WP7, WP8) \rightarrow no targeted calls but paediatric research on rare diseases can be financed as any other research project
- ≅ Pillar 3 training (WP15) → dedicated training for young patients will take place starting from year 3
- Fillar 4 innovation management toolbox > any contents specific to paediatric considerations for rare diseases will be described and included
- Fillar 4 clinical trials support office > run by ECRIN and in close collaboration with C4C and PaedCRIN avoids duplications and ensures paediatric expertise in clinical trials





EJP RD survey



Rare disease research community - who?



European Reference Networks (ERNs) are virtual networks involving healthcare providers across Europe with the aim to tackle complex or rare diseases. There are 24 thematic networks: over 900 specialised healthcare units located in 313 hospitals in 25 Member States (plus Norway).





Source: https://ec.europa.eu/health/ern_en



Rare Disease researchers are academic scientists in universities and research centres working on any research projects related to rare diseases. They can be working to understand disease mechanisms using disease models as well as translational research. Some EU-level research projects are funded by E-Rare and EJP RD Joint Transnational Calls.

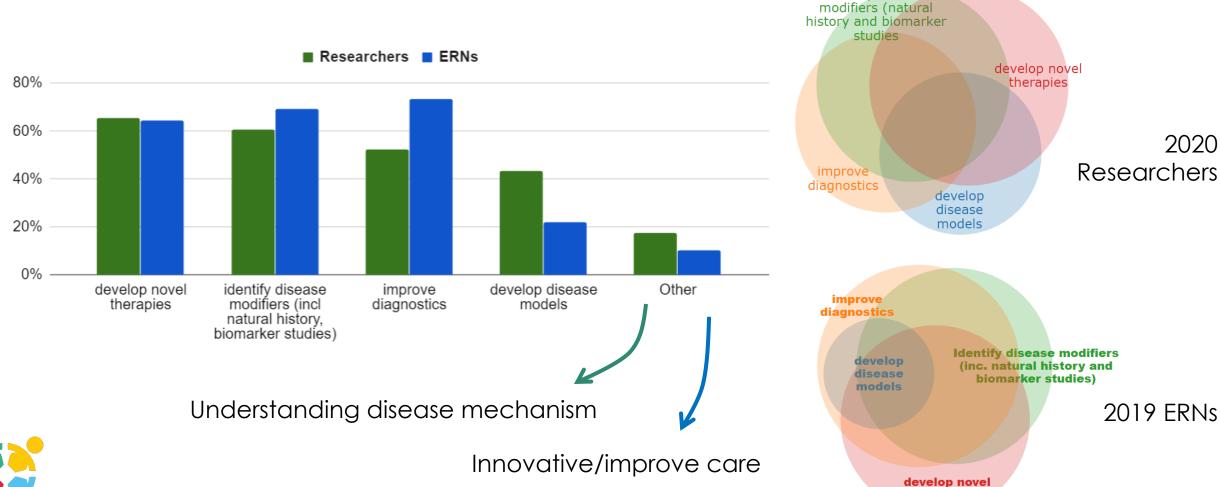
Stakeholders being involved for Pillar 2 Use Cases Work Focus:

- ERNs
- Researchers
- Patient representatives
- Funding agencies





The main purpose of the current research



identify disease

therapies

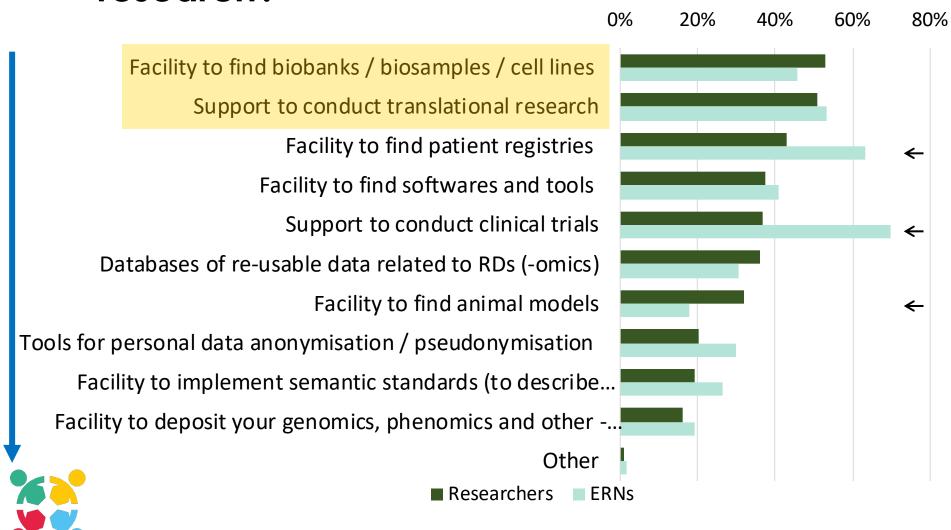
2020

2019 ERNs

Funded by the European Union



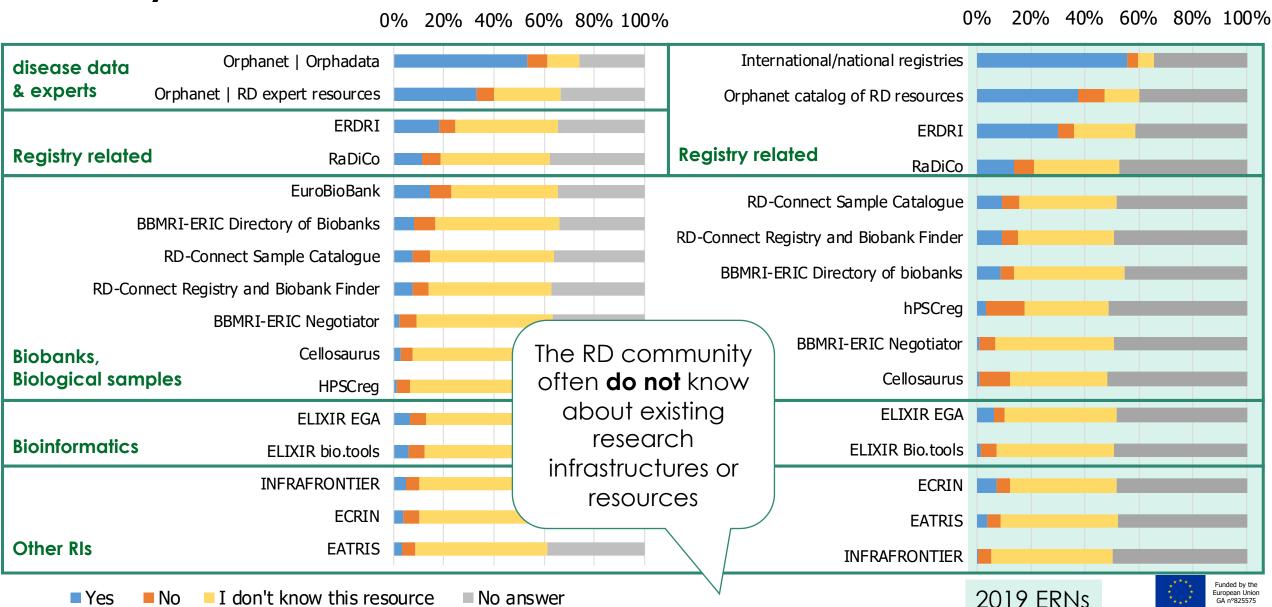
Which of these services are of utmost importance for your research?



Researchers and ERNs require different services, this is most likely due to the differences in the type of research they perform.



Are these infrastructures or databases of utmost importance for your research?



Research infrastructures within EJP RD



Actions implemented by EJP RD to enhance the usage of research infrastructures by RD community

- Strong encouragement to use RIs and links to respective infrastructures in EJP RD calls
- Promotion and contribution of RIs in EJP RD trainings (e.g. BBMRI-ERIC, ELIXIR)
- Direct services developed in EJP RD by participating RIs:
 - EATRIS mentoring service and support of innovation and translation of research results open to researchers financed by EJP RD or E-Rare and from ERNs
 - **ECRIN** clinical trials support office for RD community
- Direct involvement of respective RIs in the development of EJP RD Virtual Platform (of data, resources and tools)
- Organisation of webinars and workshops (at the occassion of EJP RD GA or in collaboration with ERNs and EC) to increase the knwoledge about the RIs and their services





Research infrastructures within EJP RD

NEXT STEPS



Next steps to be implemented by EJP RD to enhance the usage of research infrastructures by RD community

- EJP RD calls → from « encouragement » to « mandatory »
 (whenever possibile) or direct inclusion of the service in
 the funding cycle (e.g. mentoring service to applicants
 and not only to funded projects)
- More tailored and enhances trainings and communication campains
 - Trainings developed with and for ERNs (WP17, WP20)
 - Mandatory trainings for young researchers participating in funded projects
 - Dedicated videos and use cases stories





Thank you

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