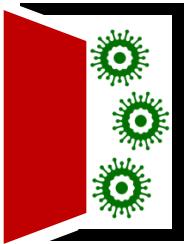




**STRATÉGIE D'ACCÉLÉRATION MALADIES INFECTIEUSES
ÉMERGENTES (MIE) ET MENACES NRBC (MN)
2022**

**VOLET INNOVATION
MESURE 6**

OPEN-ReMIE



Réseau Opérationnel National de Recherche pour les Maladies Infectieuses
Émergentes

National Operational Research network for Emerging Infectious Diseases

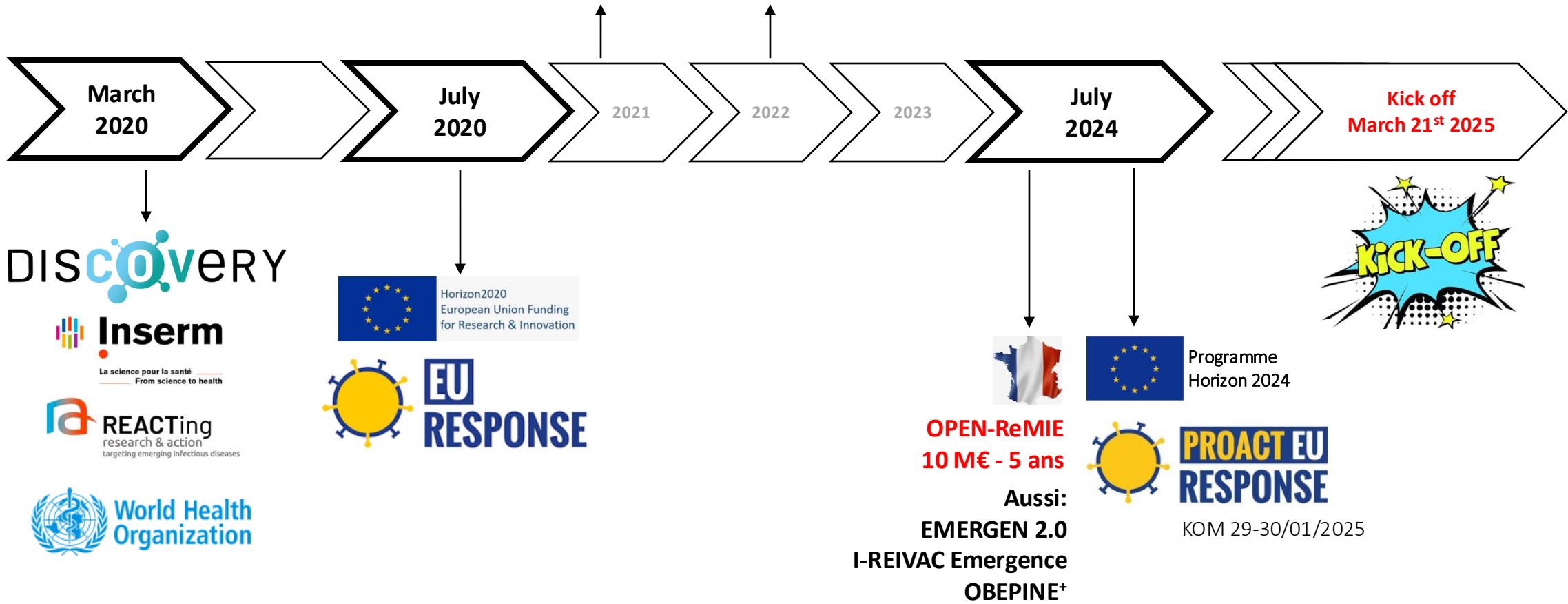
Project leader : Florence ADER

Project co-leader : Karine LACOMBE

Project manager ANRS-MIE : Auriane MERELLE



STRATÉGIE D'ACCÉLÉRATION MALADIES
INFECTIONNEUSES ÉMERGENTES (MIE) ET
MENACES NRBC (MN)
2022
VOLET INNOVATION
MESURE 6



« The next pandemic is not a matter of if, but rather when... »

Accélérer la **recherche clinique interventionnelle** avec sponsors académiques ou industriels
Par des réseaux nationaux de recherche pour la préparation “**preparedness**” et la réponse aux maladies
infectieuses émergentes épidémiques et à potentiel pandémique



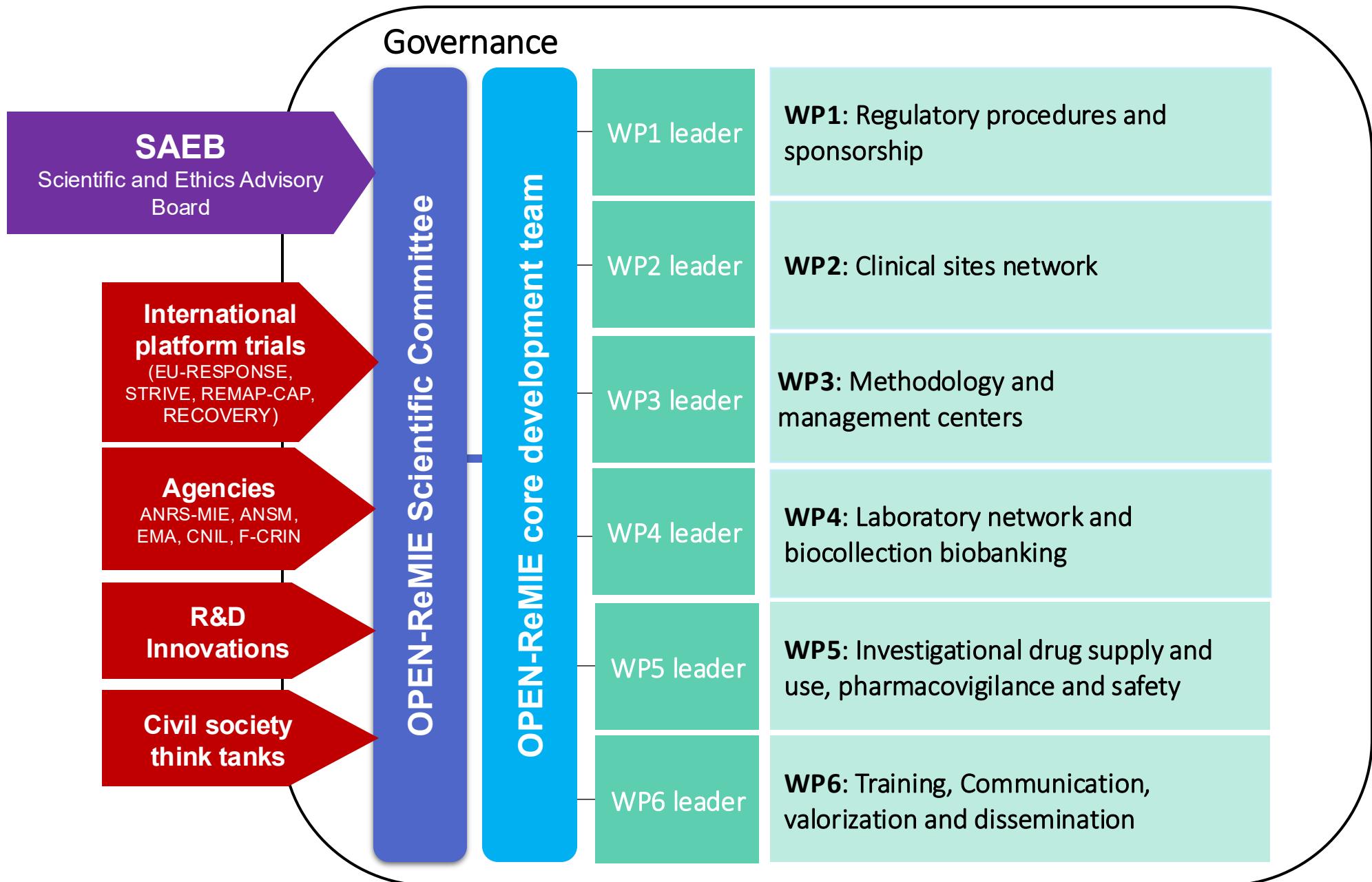
Interventions thérapeutiques et/ou immunomodulatrices en milieu hospitalier = OPEN-ReMIE



Porter cet effort en lien et synergie avec les réseaux nationaux et internationaux
de recherche clinique



Consolider et enrichir ce réseau dans la durée “**sustainability**” et le transmettre aux générations
futures de professionnels de santé formés au risque émergent biologique



OPEN-ReMIE development team

WEEKLY MEETING (or MORE if crisis)

Operational core team

- Coordinate and oversee tasks of the WPs on a daily basis
- Composition:
 - Project coordinators (FA,KL)
 - WP leaders
 - Network management officer, quality management officer, lab network coordinators
- Point of entry

OPEN-ReMIE Scientific Committee

MONTHLY MEETING (or more if crisis)

Overall supervision of the network

- Deciding body
- Voting and non-voting members
- Participation in or initiate a new clinical trial or add a sub-protocol

International platform trials

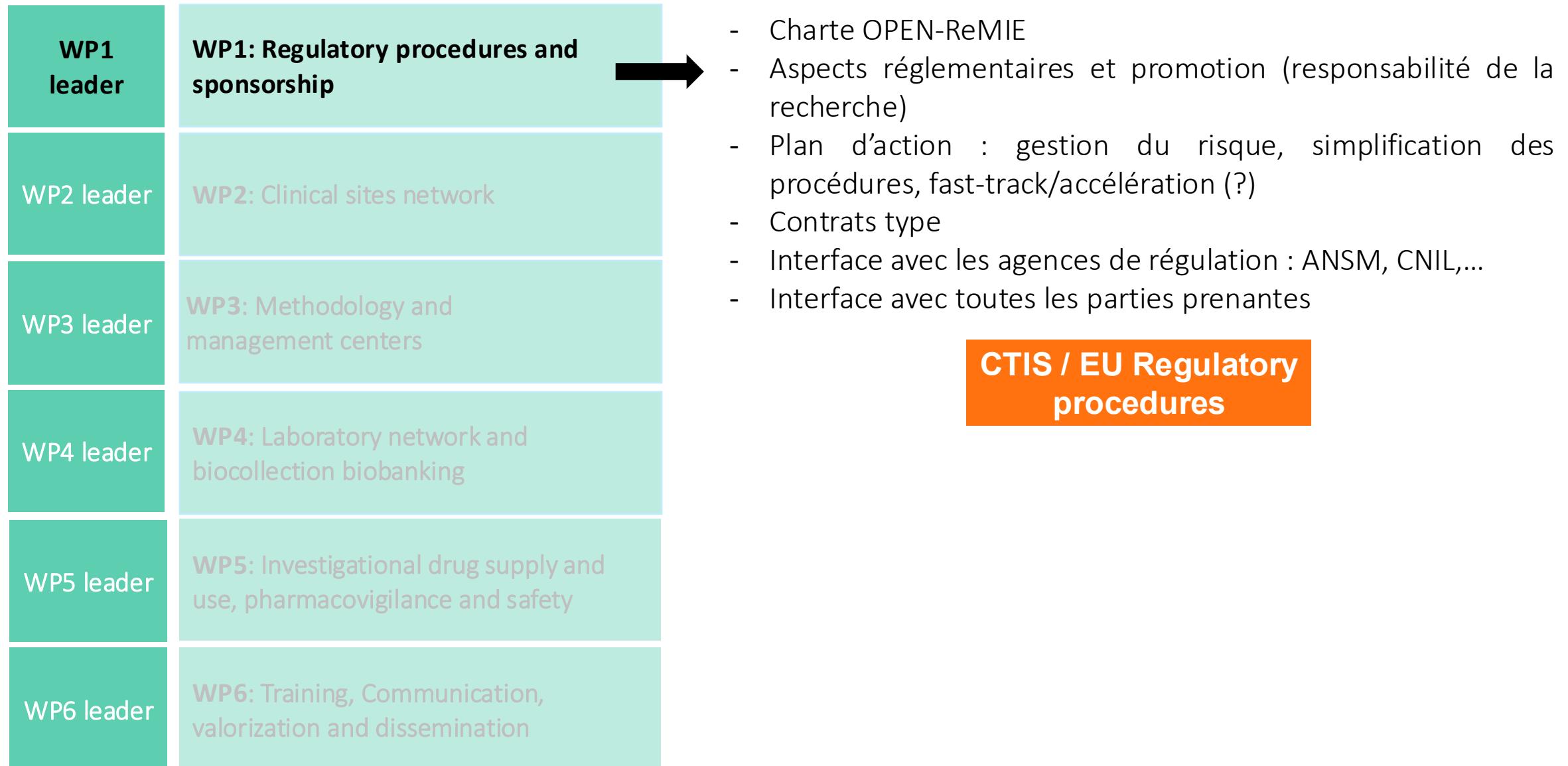
(EU-RESPONSE, STRIVE, REMAP-CAP, RECOVERY)

Agencies

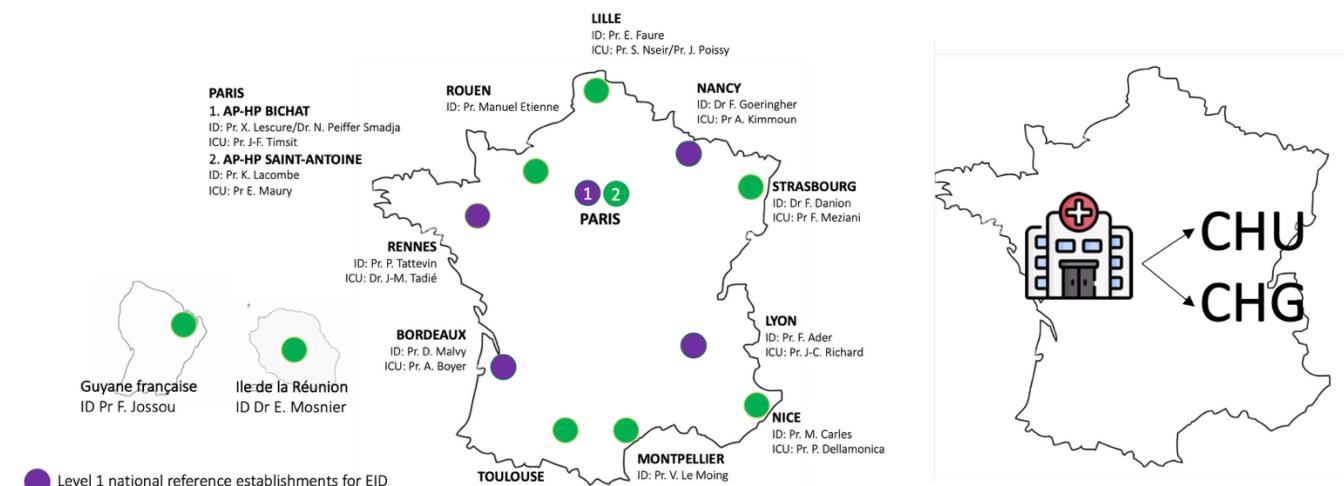
ANRS-MIE, ANSM, EMA, CNIL, F-CRIN

R&D Innovations

Civil society think tanks



WP1 leader	WP1: Regulatory procedures and sponsorship	- MIT/MIR - Sites de 1 ^{er} cercle et 2 ^{ème} cercle - Audit des sites, interface avec DRCI locales et contrats types standards - Production de protocoles génériques (WP3) - Catalogue de variables cliniques et biologiques (CRF) (WP3) - Interface avec les industriels du médicaments (start up, PME, internationaux) + recherche académique
WP2 leader	WP2: Clinical sites network	
WP3 leader	WP3: Methodology and management centers	
WP4 leader	WP4: Laboratory network and biocollection biobanking	
WP5 leader	WP5: Investigational drug supply and use, pharmacovigilance and safety	
WP6 leader	WP6: Training, Communication, valorization and dissemination	



1^{er} cercle

2^{ème} cercle

RENARCI

WP1 leader	WP1: Regulatory procedures and sponsorship	
WP2 leader	WP2: Clinical sites network	
WP3 leader	WP3: Methodology and management centers	
WP4 leader	WP4: Laboratory network and biocollection biobanking	
WP5 leader	WP5: Investigational drug supply and use, pharmacovigilance and safety	
WP6 leader	WP6: Training, Communication, valorization and dissemination	

- 5 CMG aux compétences complémentaires
- Alignement avec EU
- Production de protocoles génériques (WP2)
- Stratification des variables : critiques, standard, accessoires, étendues (CRF) (WP2)
- Développement autres méthodologies : méta-analyses, essais émulés, bras synthétiques,...
- Data management (stockage, transfert, analyse)
- Interopérabilité des données
- Plan de monitoring

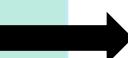
I-REIVAC-EMERGENCE

WP1 leader	WP1: Regulatory procedures and sponsorship
WP2 leader	WP2: Clinical sites network
WP3 leader	WP3: Methodology and management centers
WP4 leader	WP4: Laboratory network and biocollection biobanking
WP5 leader	WP5: Investigational drug supply and use, pharmacovigilance and safety
WP6 leader	WP6: Training, Communication, valorization and dissemination

- 
- Catalogue de prestations ----> microbiologique, pharmacologique, immunologique
 - Centre de ressource biologique (CRB)

**EMERGEN 2.0
I-REIVAC-EMERGENCE
OBEPINE⁺**

WP1 leader	WP1: Regulatory procedures and sponsorship
WP2 leader	WP2: Clinical sites network
WP3 leader	WP3: Methodology and management centers
WP4 leader	WP4: Laboratory network and biocollection biobanking
WP5 leader	WP5: Investigational drug supply and use, pharmacovigilance and safety
WP6 leader	WP6: Training, Communication, valorization and dissemination

- 
- Catalogue de prestations ----> microbiologique, pharmacologique, immunologique
 - Centre de ressource biologique (CRB)

**EMERGEN 2.0
I-REIVAC-EMERGENCE
OBEPINE⁺**

WP1 leader	WP1: Regulatory procedures and sponsorship
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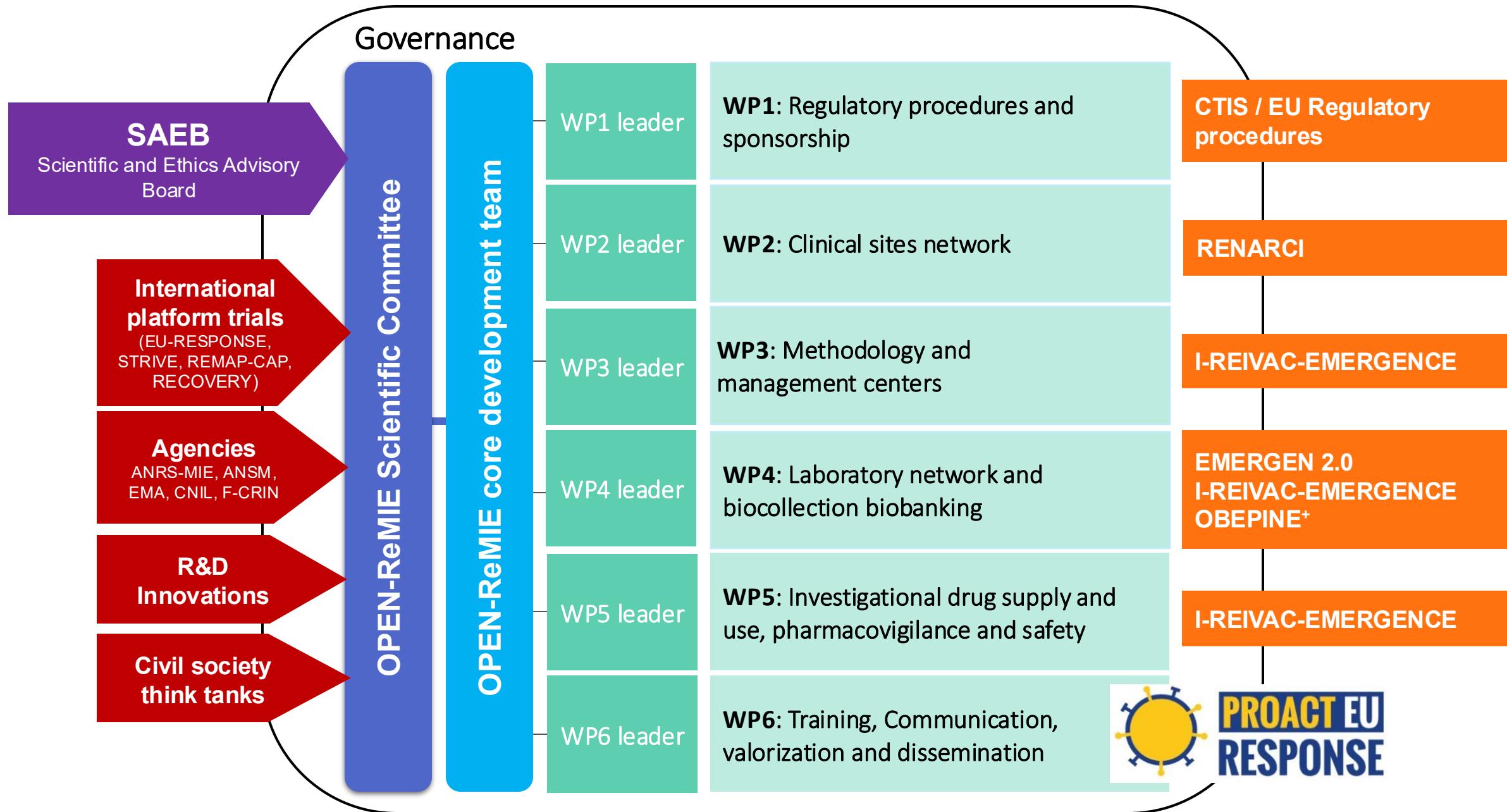
- Circuit du médicament et ses particularités ----> gestion des stocks, mobilisation, délivrance.
- Pharmacovigilance ANRS-MIE : procédures, organisation sécurité,
- Connexion agences : ANSM, EMA, FDA

I-REIVAC-EMERGENCE

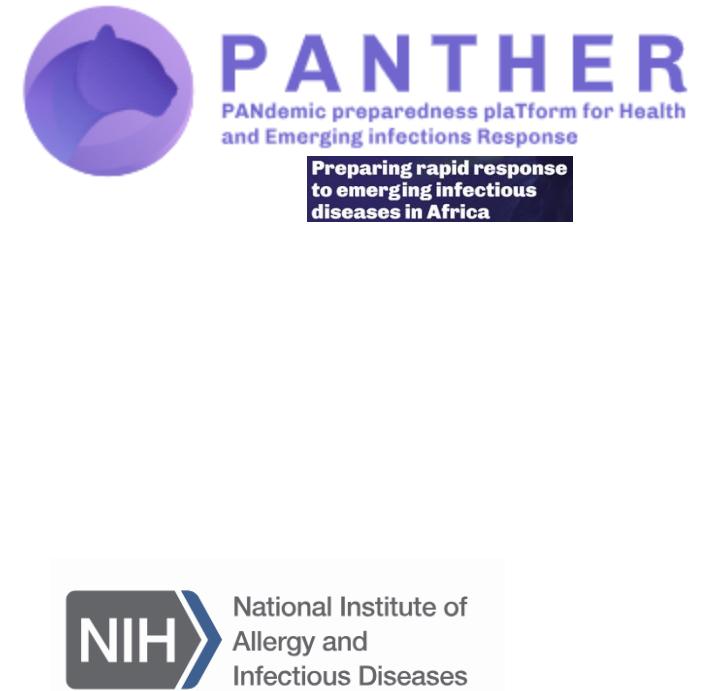
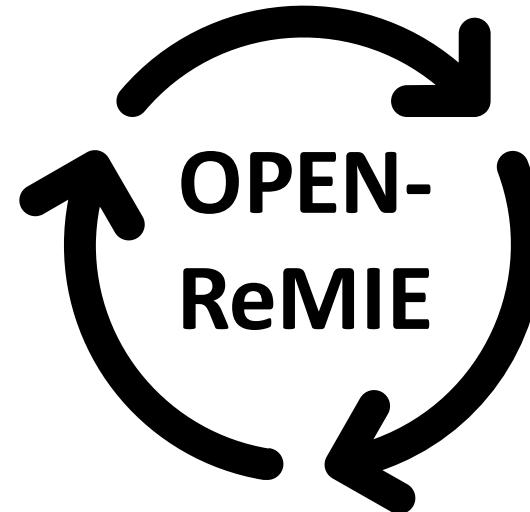
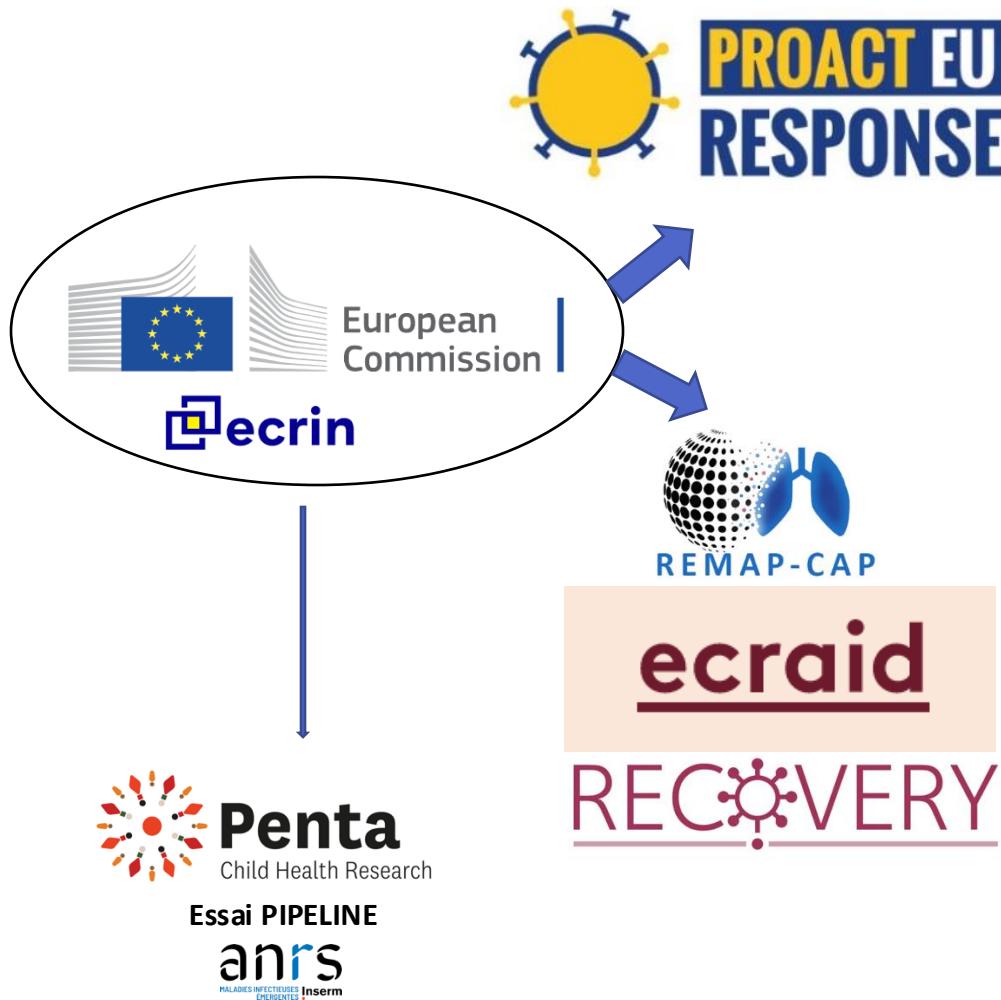
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- Site web pour communication et dissémination
- Volet SHS/milieux associatifs et académiques: société civile et recherche clinique interventionnelle en temps de crise, lutte contre la désinformation et l'infodémie, cyberharcèlement, discrimination de genre, influence des réseaux sociaux.
- Education aux stratégies de communication



Perspectives et connexions internationales



PROACT EU-Response

European PROactive Adaptive Clinical Trials network

Pr Karine Lacombe, Sorbonne Université

AP-HP, St Antoine Hospital, Paris - France

Building upon an existing network



**European Research and Preparedness Network for Pandemics
and Emerging Infectious Diseases**

W1: Expand, organize and **conduct the DisCoVeRy clinical trial** in EU member states and associated countries.

W2: Build a multinational, European multi-arm **COVID-19 Adaptive Platform Trial** beyond the present DisCoVeRy partners and beyond the current protocol to provide a modular trial framework enabling most if not all European hospitals to participate at their preferred level of commitment to the new Adaptive Platform Trial

Some results of EU-Response

Effects of remdesivir in patients hospitalised with COVID-19: a systematic review and individual patient data meta-analysis of randomised controlled trials

Alain Amstutz*, Benjamin Speich*, France Mentré, Corina Silvia Rueegg, Drifa Belhadi, Lambert Assoumou, Charles Burdet, Srinivas Murthy, Lori Elizabeth Dodd, Yeming Wang, Kari A O Tikkinen, Florence Ader, Maya Hites, Maude Bouscambert, Mary Anne Trabaud, Mike Fralick, Todd C Lee, Ruxandra Pinto, Andreas Barratt-Due, Fridtjof Lund-Johansen, Fredrik Müller, Olli P O Nevalainen, Bin Cao, Tyler Bonnett, Alexandra Giessbach, Ala Taji Heravi, Christof Schönenberger, Perrine Janiaud, Laura Werlen, Soheila Aghlmandi, Stefan Schadelmaier, Yazdan Yazdanpanah, Dominique Costagliola, Inge Christoffer Olsen, Matthias Briel



Lancet Respir Med 2023;
11: 453-64
Published Online
February 21, 2023
[https://doi.org/10.1016/S2213-2600\(22\)00528-8](https://doi.org/10.1016/S2213-2600(22)00528-8)

Clinical Microbiology and Infection 28 (2022) 1–5

ELSEVIER

Contents lists available at ScienceDirect

Clinical Microbiology and Infection

journal homepage: www.clinicalmicrobiologyandinfection.com

Commentary

Accelerating clinical trial implementation in the context of the COVID-19 pandemic: challenges, lessons learned and recommendations from DisCoVeRy and the EU-SolidAct EU response group

Journal of Infection 88 (2024) 106120

ELSEVIER

Contents lists available at ScienceDirect

Journal of Infection

journal homepage: www.elsevier.com/locate/jinf

Tixagevimab-cilgavimab (AZD7442) for the treatment of patients hospitalized with COVID-19 (DisCoVeRy): A phase 3, randomized, double-blind, placebo-controlled trial

Treseid et al. Critical Care (2023) 27:9
<https://doi.org/10.1186/s13054-022-04205-8>

Critical Care

RESEARCH

Open Access

Efficacy and safety of baricitinib in hospitalized adults with severe or critical COVID-19 (Bari-SolidAct): a randomised, double-blind, placebo-controlled phase 3 trial



CMI CLINICAL MICROBIOLOGY AND INFECTION ESCMID

Contents lists available at ScienceDirect

Clinical Microbiology and Infection

journal homepage: www.clinicalmicrobiologyandinfection.com

Letter to the Editor

An open-label randomized, controlled trial of the effect of lopinavir and ritonavir, lopinavir and ritonavir plus interferon- β -1a, and hydroxychloroquine in hospitalized patients with COVID-19: final results

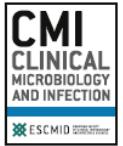
Florence Ader*, The DisCoVeRy Study Group

Remdesivir plus standard of care versus standard of care alone for the treatment of patients admitted to hospital with COVID-19 (DisCoVeRy): a phase 3, randomised, controlled, open-label trial

Florence Ader, Maude Bouscambert-Duchamp, Maya Hites, Nathan Peiffer-Smadja, Julien Polisy, Drifa Belhadi, Alpha Diallo, Minh-Patrick Lê, Gilles Peytavin, Thérèse Staub, Richard Grell, Jérémie Guedj, Jose-Artur Paiva, Dominique Costagliola, Yazdan Yazdanpanah, Charles Burdet*, France Mentré*, and the DisCoVeRy Study Group



Lancet Infect Dis 2022;
22: 209–21
Published Online
September 14, 2021
[https://doi.org/10.1016/S1473-3099\(21\)00485-0](https://doi.org/10.1016/S1473-3099(21)00485-0)



Brief summary of the PROACT EU-Response project

- **Overarching objective:** prepare Europe for future pandemics by strengthening upon existing networks of experts and civil society focused on clinical therapeutic platform trials within hospital inpatient settings across Europe.
 - ***expand a solid network of clinical centres across Europe*** that will implement a clinical trial assessing a syndromic approach for respiratory viral infections
 - ***strengthen a laboratory network*** to identify pathogens and biomarkers of disease monitoring for routine surveillance;
 - ***support a network of methodologists and trialists*** who will ensure the trials' logistical and methodological aspects;
 - ***initiate a network of professionals to work on preparedness tools*** to ensure a smooth pivot from inter-pandemic to the pandemic period in case of an outbreak;
 - ***build a network of social science researchers*** who will provide nuanced understanding of the social contexts;
 - ***establish a community group to work on activities that will empower patients and citizens*** in Europe regarding their own health and educate them about science and health issues.

Partners & countries accross europe

25 partners

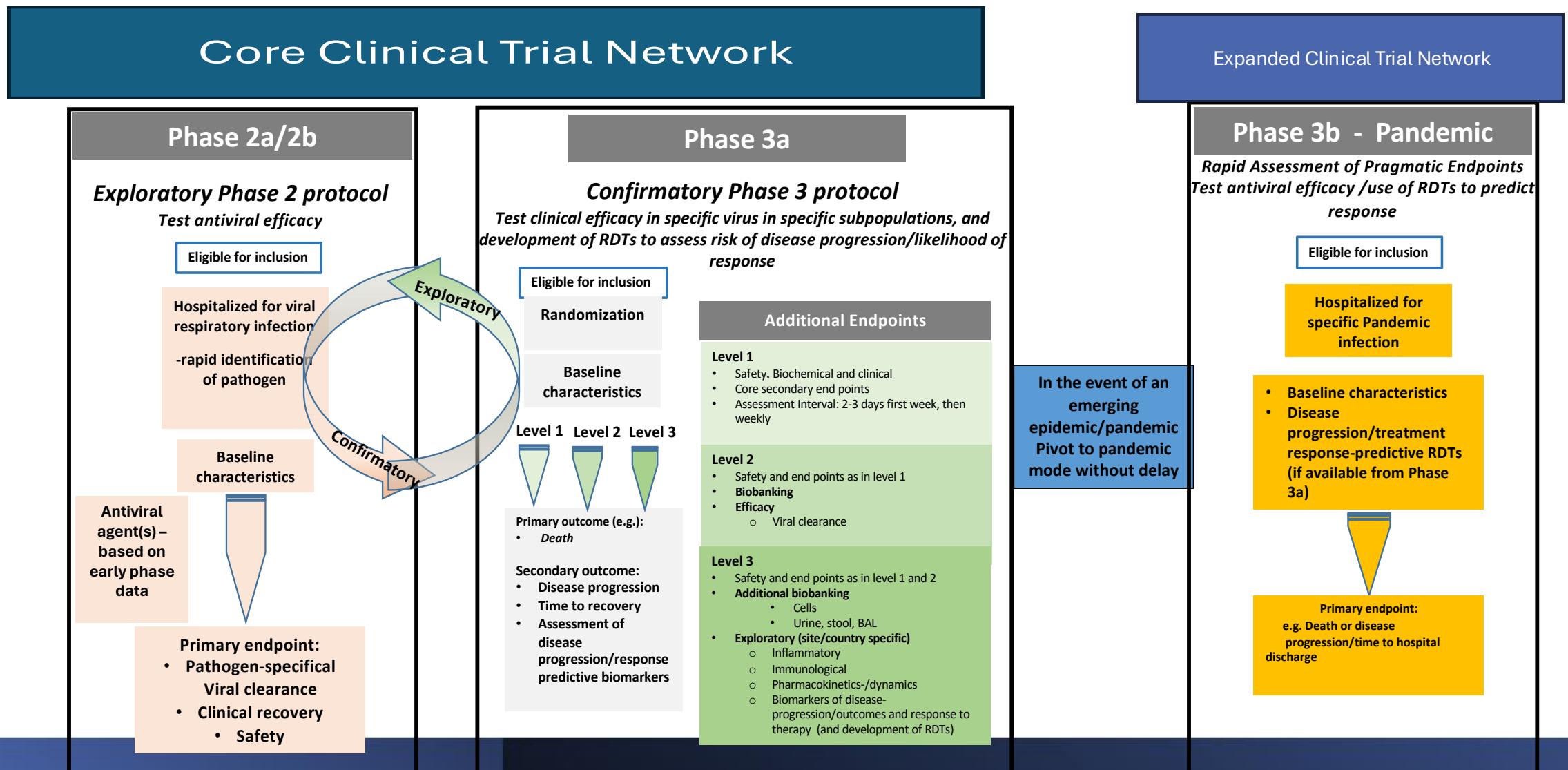
11 countries

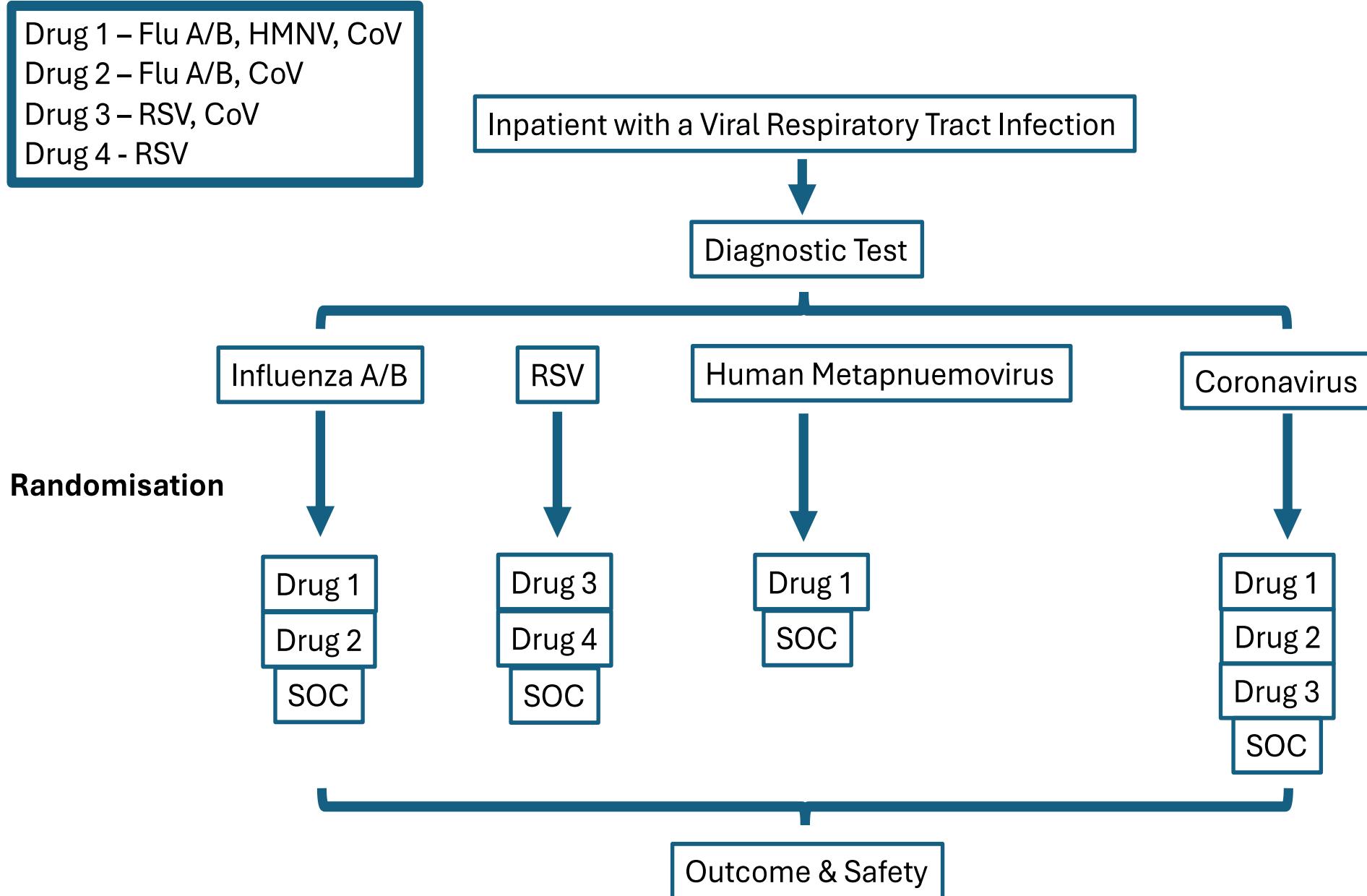
Networks:

- Clinical: 31 countries
- 9 virological centers
- 5 methodology teams
- 4 implementation science teams

Nº	Participant organisation name	Country
1	INSERM - ANRS	France
2	SORBONNE UNIVERSITE (Affiliated Entity)	France
3	OSLO UNIVERSITETSSYKEHUS HF	Norway
4	SERVICIO MADRILENO DE SALUD	Spain
5	UNIVERSITE LIBRE DE BRUXELLES	Belgium
6	UNIVERSITA DEGLI STUDI DI VERONA	Italy
7	UNIVERSITY COLLEGE LONDON	UK
8	UNIVERSITY COLLEGE DUBLIN	Ireland
9	ECRIN EUROPEAN CLINICAL RESEARCH INFRASTRUCTURE NETWORK	France
10	HOSPICES CIVILS DE LYON	France
11	BIOMERIEUX SA	France
12	ASSISTANCE PUBLIQUE HOPITAUX DE PARIS	France
13	FORUM DES PATIENTS EUROPEENS	Belgium
14	COLLECTIF NO FAKEMED	France
15	Vaccination et Lien Social	France
16	LES MARKABIENS	France
17	UNIVERSITY OF GALWAY	Ireland
18	INSERM TRANSFERT SA	France
19	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	France
20	UNIVERSITEIT ANTWERPEN	Belgium
21	UNIVERSITY OF LANCASTER	UK
22	UNIVERSITY OF BRISTOL	UK
23	MEDIZINISCHE UNIVERSITAET WIEN	Austria
24	STICHTING NEDERLANDSE WETENSCHAPPELIJK ONDERZOEK INSTITUTEN	Netherlands
25	UNIVERSITAT BASEL (Associated Partner)	Switzerland

Overall Work Plan: Clinical Trial Network and Clinical Trials





In summary

- The PROACT EU-Response project is an ambitious programme that aims to achieve EU objectives for tackling diseases and reducing disease burden across the continent.
- It specifically responds to calls for ‘a resilient EU prepared for emerging threats’ and the need to address major societal challenges linked to the Commission’s political priorities such as preparedness and response to and surveillance of health threats and epidemics.