

HORIZON-HLTH-2024-DISEASE-08-20

Pandemic preparedness and response:

Host-pathogen interactions of infectious diseases with epidemic potential (RIA)

Call Opening: 26.10.2023; Deadline: 11.04.2024; Budget: 50M€; Est. project size: 7-8M€

Joining EU-India collaborative research under HORIZON EUROPE
Opportunities and challenges

13. October 2023

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EU Expert “Challenges for matchmaking EU-India”
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Joining EU-funded research – what are the challenges?

Positioning and value added

- EU pathogens research has its own history and established networks
- Consortia for new call forming mostly from previous joint projects



Implications

- ❑ **What value added ...**
 - ...for India researchers from HORIZON EUROPE participation?
 - ...for EU-led consortia to take partners from India on board?
- ❑ **What key message to target EU partners to engage cooperation talks?**



Finding & committing EU partners

- Experience: Consortia form, define their scope of work and partners early
- Typically soon after – or even before – the call opens!



Implications

- ❑ **Approach target EU partners as early as possible ...**
 - Identify target EU partners
 - Engage cooperation discussions early
 - ➔ Secure your place in the consortium before all slots are filled
- ❑ **If you don't have already the right EU contact**
 - ➔ We and other colleagues can help!
- ❑ **Have a clear message when you approach EU target partners:**
What do you expect / what value will you add to EU research?



Getting on board

- Complex HORIZON EUROPE processes and rules; become part of an EU team



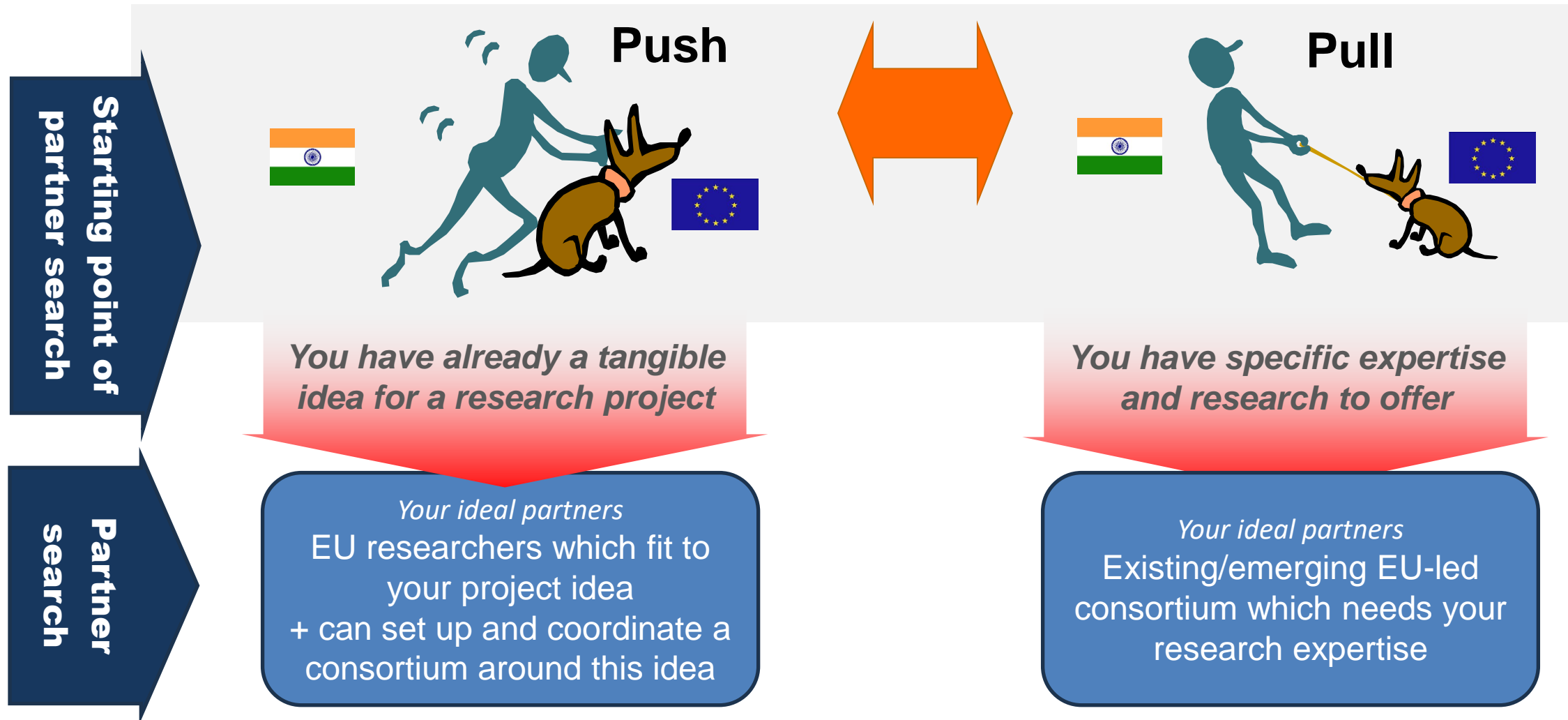
Implications

- ❑ **Understand HORIZON EUROPE requirements to ensure compliance and fit with EU consortium**




What EU partners do you search ... and how do you find them?

Two different approaches to finding the right match



Finding the needle in the haystack – scan the right sources for your best partner



Coupling dynamic population immunity profiles and host behaviours to arboviral spread

Fact Sheet

Reporting

Results

Project description

DE

EN

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Dissecting the interplay between immunity and virus population dynamics

Dengue virus spreads to humans via infected mosquitoes, leading to millions of cases every year in over 100 countries. The EU-funded ARBODYNOMIC project is working under the hypothesis that in endemic countries, such as Thailand, population immunity built over many years drives viral emergence. Researchers will explore the different viral isolates, as well as the available long-term data, to reconstruct the immune profile of the population and explore the impact of immunity on viral diversity. Moreover, they will investigate the role of human behaviour and movement, alongside mosquito distribution, to dissect the mechanism of Dengue virus spread.

Show the project objective

Fields of science

medical and health sciences

health sciences

infectious diseases

RNA viruses

natural sciences

biological sciences

microbiology

virology

natural sciences

biological sciences

genetics

genomes

natural sciences

biological sciences


zoology

invertebrate zoology

Project Information

ARBODYNOMIC

Grant agreement ID: 804744



DOI

10.3030/804744

Start date

1 January 2019

End date

31 December 2024

Funded under

EXCELLENT SCIENCE - European Research Council (ERC)

Total cost


€ 1 499 896,00


EU contribution

€ 1 499 896,00

Coordinated by

THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE

 United Kingdom





Dengue research Framework for Resisting Epidemics in Europe

Fact Sheet

Results in Brief

Reporting

Results

News & Multimedia

Final Report Summary - DENFREE (Dengue research Framework for Resisting Epidemics in Europe)

Executive Summary:

DENFREE combines expertise from different disciplines. The overall objective is to understand a role of asymptomatic dengue infection in dengue transmission and their virological and immunological profile. To understand better dengue transmission dynamics and their relation to climate change, we generated a calibrated climate dataset, performed database inter-comparison for the different climate product variables and created a user-

Project Information

DENFREE

Grant agreement ID: 282378

Closed project

Start date

1 January 2012

End date

31 December 2016

Funded under

Specific Programme "Cooperation": Health

Total cost

€ 8 373 688,07

EU contribution


€ 5 999 062,00

Coordinated by

INSTITUT PASTEUR

 France





FINDER: FIGHTING DENGUE VIRUS, a novel strategy for the development of fully protective antivirals that act by disrupting the DENV NS3/NS5 interaction

Fact Sheet

Results in Brief

Reporting

Results


Objective

Dengue virus (DENV) is the most prevalent arthropod-borne viral pathogen and infects about 400 million people worldwide every year, causing epidemics that are spreading rapidly, with increased frequency and magnitude. To date, no specific treatments or a fully protective vaccine are available for dengue. In line with the Priority 3 of H2020, the development of effective therapeutic strategies against DENV is urgently needed. The purpose of FINDER is that of developing innovative anti-dengue candidate drugs able to disrupt the protein-protein interactions between the viral NS3 and NS5 proteins, two key and conserved enzymes of DENV replication complex. To this end, some druggable cavities at the NS3/NS5 interface will be identified and an in silico screening of a virtual small molecule library will be performed to search for potential inhibitors of NS3/NS5 interaction. After the selection and the biological characterization of the hits, a hit-to-lead optimization step will be carried out to find compounds with lead-like properties. Such drugs are expected to be endowed with broad-spectrum antiviral activity, a reduced risk for developing resistance and lower undesirable side-effects. Through a comprehensive dissemination and exploitation strategy, one or more drug candidates will be evaluated in the future in animal models and then in clinical trials. The outcomes of this project could fill the gap of the lack of effective anti-DENV drugs, resulting

Project Information

FINDER

Grant agreement ID: 798105



DOI

10.3030/798105

Closed project

Start date

1 May 2018

End date

30 April 2020

Funded under

EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost


€ 183 454,80


EU contribution

€ 183 454,80

Coordinated by

CARDIFF UNIVERSITY

 United Kingdom



Illustrative Examples of recent EU-funded projects on Dengue
Source: EU project database

How do we proceed in such a HORIZON EUROPE matching initiative?

- 1. Cooperation potentials and identification of potential lead partners (October 23)**
 - Identify possible priority cooperation topics within disease areas predefined by the call
 - Develop “Long List” of potential partners: Literature research, scan project databases, matching events
- 2. Matchmaking preparation (November 23)**
 - First meetings with identified potential lead research partners to
 - Identify tangible research topics
 - Confirm principal interest in EU-India cooperation
 - Define a pool of identified potential lead institutions for priority research topics
- 3. Confirm interest of EU partners and engage exchange and collaboration between identified matching EU and India partners (Dec 23)**
 - Priority setting: Concentrate on ≤ 5 research topics with highest matching potential
 - Pre-matching individual discussions with at least one potential lead institute from India and EU per priority research topic to
 - validate proposed research topic and target profile of proposed matching partner
 - confirm readiness to join EU-India matchmaking meeting
- 4. Engage tangible cooperation talks between EU and India partners (Jan. 24)**
 - Confirm India researchers with the highest fit to respective EU consortia (“Short lists”)
 - Arrange and moderate initial matching meeting(s) between India and EU partners
 - If necessary, provide complementary support to overcome cooperation barriers (e.g. support for understanding of and compliance with HORIZON EUROPE procedures and regulations)

How can we help you?

- **Identify potential EU partners for your research idea**
- **Identify E-led consortia with fit you your research expertise and interest to collaborate with India peers**
- **Arrange matching meetings**
- **Help you prepare for matching meetings**
- **....**