A PR³ Challenge

Preparedness and response in the era of systemic environment and health crises

An ISGlobal Workshop

MAY 5 - 6, 2022
BARCELONA, MADRID AND ONLINE

For more information, visit our site

With the collaboration of:

And the support of:

With the support of “Centro de Excelencia Severo Ochoa 2018-2023” Program (CEX 2018-000806-S) from the Ministry of Science and Innovation and State Research Agency.
The global crisis posed by the COVID-19 pandemic has had major impacts in all areas of our lives, ranging from the direct effect of the SARS-CoV-2 infection on COVID morbidity and mortality to indirect effects of the pandemic on the health and well-being of populations across the globe, the health system, economy, societies, and education.

History has shown us that our health and well-being can also be affected by a variety of other hazards, including natural disasters, chemical, radiological and physical hazards, and biological hazards (epidemics and pandemics, emerging infectious diseases (EIDs) and bioterrorism). The key lesson from COVID-19, and this is a lesson we learned previously from nuclear accidents, is the need to be much better prepared. COVID-19 has exposed the fragmentation of the global governance for health emergency preparedness and response and the key role that science, research and innovation can play in having a world better ready for future health crises as also identified by European Global Health Institutes Network (EGHRIN).

As a consolidated hub of excellence in research with a mission to translate science into policies and practices, the Barcelona Institute for Global Health (ISGlobal), a member of EGHRIN, wants to reach out to other actors in order to contribute to and advance this fundamental debate. For that purpose, we are establishing an institutional hub/centre on preparedness, bringing together our existing expertise and capacities and our existing networks of collaborators. We have coined the term PR$^3$ as the guiding concept that combines the different phases of preparing for and responding to crises: Preparedness, Response, Recovery and Resilience, represented in the figure below.

It is only through such a comprehensive approach —both in terms of disciplines and capacities— that we will be able to tackle the systemic environmental risks to health in the coming future. Experience from COVID-19 and nuclear accidents show many commonalities related to preparedness, response, recovery and resilience, and in fact many of the lessons from the Chernobyl and Fukushima accidents and recommendations based on these can be translated directly to the COVID-19 pandemic.

The PR$^3$ model below takes into account the wide variety of hazards that could lead to a public health crisis. It includes several steps in the continuous spectrum of preparedness, response and recovery/resilience phases, based on the successes and challenges observed during COVID-19 health crisis.

**FIGURE 2.** Diagram of PR$^3$ Concept.

Source: Adapted from ECDC country preparedness activities, 2013–2017.
MEETING STRUCTURE

The objective of the proposed workshop is to draw lessons related to PR³ from different complementary environmental and public health crises and discuss how best to incorporate them into future all-hazards preparedness plans at the global, regional, country and local levels. Drawing from the lessons learned in the hectic debate of the last two years, we want to bring together experts, practitioners and decision-makers in a complex conversation that reflects the nature of the challenges ahead. Participation of early career researchers is encouraged.

With this in mind, the workshop is organised in three parts, the third of which will be open to the public:

BARCELONA VENUE
[May 5]:
  
  ● **A thematic session**, covering PR³ strategies related to different types of health crises: infectious diseases, chemical, radiological and natural disasters, including those arising from climate change. With a strong focus on science, the objective is to identify commonalities and differences in order to outline a common approach and to create a network of experts in Europe and elsewhere to prepare and respond to different public health crises.

  ● **An institutional session**, looking at existing and emerging responses at the local, national, European and global levels. The objective of this session is to review ongoing initiatives and activities related to PR³ in their different forms. This should help institutions identify new areas for collaboration and for engagement of the scientific community in order to strengthen PR³ capabilities.

MADRID VENUE
[May 6]:

  ● **High-level panel**: this session will take place in Madrid the day after the technical workshop in Barcelona. We will open the conversation to the public through a dynamic (Davos’ style) round table with those in charge of taking these decisions forward. Based on short summaries from the two workshops and engaging a wide range of stakeholders at different levels (politicians, philanthropists, public officials, communicators), we will discuss how best to collaborate in the implementation of a meaningful preparedness and response framework.

OUTCOMES

The findings of the discussions during the workshop will be used to develop recommendations and actions for strengthening preparedness and response at different levels and incorporating best-evidence strategies. These will be summarised in a paper submitted to a scientific journal with wide readership.
## AGENDA

### BARCELONA VENUE
May 5, 2022

<table>
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<tr>
<th>Time</th>
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<tr>
<td>11:00-11:30</td>
<td><strong>Institutional welcome</strong>&lt;br&gt;Antoni Plasència, ISGlobal&lt;br&gt;Ignasi Lopez, “la Caixa” Foundation&lt;br&gt;<strong>Introduction to the workshop</strong>&lt;br&gt;Elisabeth Cardis and Gonzalo Fanjul, ISGlobal</td>
<td>CaixaForum Macaya and online</td>
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<td>11:30-14:00</td>
<td><strong>WORKSHOP 1 – THEMATIC SESSION</strong>&lt;br&gt;Review of scientific PR³ strategies for different types of crises&lt;br&gt;<strong>INFEKTIOUS DISEASES / BIOLOGICAL DISASTERS</strong>&lt;br&gt;Anja Schreijer, Erasmus MC, The Netherlands&lt;br&gt;<strong>CHEMICAL/OCCUPATIONAL DISASTERS</strong>&lt;br&gt;Roberto Lucchini, Florida International University, School of Public Health, USA, and University of Brescia, Italy&lt;br&gt;<strong>RADIOLOGICAL DISASTERS</strong>&lt;br&gt;Thierry Schneider, Centre d’étude sur l’évaluation de la Protection dans le domaine Nucléaire, France&lt;br&gt;<strong>NATURAL DISASTERS / VOLCANO ERUPTIONS</strong>&lt;br&gt;Claire Horwell, Durham University, International Volcanic Health Hazard Network, UK&lt;br&gt;<strong>CLIMATE CHANGE</strong>&lt;br&gt;Jaroslav Mysiak, Centro Euro-Mediterraneo sui Cambiamenti Climatici, Università Ca’ Foscari Venezia, Italy&lt;br&gt;<strong>WAR AND REFUGEES</strong>&lt;br&gt;Oliver Razum, Bielefeld University, Germany</td>
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<td>14:00-15:00</td>
<td>Lunch break</td>
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<td>15:00-17:45</td>
<td><strong>WORKSHOP 2</strong>&lt;br&gt;<strong>Institutional Session</strong>&lt;br&gt;GLOBAL&lt;br&gt;WHO/UN - Sendai Framework for Disaster Risk Reduction&lt;br&gt;Jonathan Abrahams, Technical Officer Disaster Risk Management and Resilience Unit, Geneva, Switzerland&lt;br&gt;The Global Fund, David Lovranice, Senior advisor COVID-19 and PPR, Geneva, Switzerland&lt;br&gt;MSF, Aitor Zabalgogeaskoa, Spain&lt;br&gt;Drugs for Neglected Diseases initiative (DNDi), Nathalie Strub-Wourgaft, COVID Response and Pandemic Preparedness Director, Switzerland</td>
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### OBJECTIVES

- Include preparedness protocols, identification and follow-up of affected populations, communications and stakeholder engagement.
- Identify commonalities adaptable to other health crises and differences.
- Outline common approach and discuss creation of a network of experts to prepare and respond to different health crises.

### MODERATOR

- Elisabeth Cardis

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A PR³ Challenge.<br>An ISGlobal workshop
BARCELONA VENUE
May 5, 2022

15:30 - 17:45
EUROPE
European Health Emergency Preparedness and Response Authority (HERA), Wolfgang Philipp, Belgium
European Global Health Research Institutes Network [EGRIN] Institute for the Future - KU Leuven, Anne-Mieke van Damm, Belgium
European Foundation on Preparedness, Martin Andler, Member, France
WHO Europe, Program for Environmental and Health Impacts, Sinaia Netanyahu, Programme Manager Environment and Health Impact Assessment, Germany

AMERICA
Pan-American Health Organization, Ciro Ugarte, Director for Emergency Preparedness and Disasters, USA

AFRICA
Africa CDC Emergency Operations Center, Wessam Mankoula, Lead of Emergency Operations Centre, Ethiopia

NATIONAL
Spain
Public Health Agency of Catalonia, Mercè Herrero, Public Health Officer
Public Health Agency of Barcelona, Carme Borrell, Manager

USA
National Institutes of Health, Disaster Research Response Program, Aubrey K. Miller, Senior Advisor

Luxembourg
Laboratoire National de la Santé, Ann Van Nieuwenhuyse, Head of Department Health Protection

17:45 - 18:15
Tea break

18:15 - 19:30
FINAL SESSION
Brainstorming

OBJECTIVES
Identification of actions/activities across the different hazards:
- common protocols and approaches;
- improvement of epidemiological information systems;
- governance;
- provision of capacity through networks of experts who can advise on different health hazards;
- foster a constructive public and political conversation.

19:30 - 21:00
Evening reception for all participants
MADRID VENUE
ROUND TABLE DISCUSSION WITH DECISION-MAKERS
May 6, 2022

12:00-14:00 INSTITUTIONAL WELCOME BY FUNDACIÓN RAMÓN ARECES
SHORT PRESENTATION OF ISGLOBAL PR³ MODEL AND SUMMARY OF FIRST TWO SESSIONS
ISGlobal. Elisabeth Cardis, Spain

DIALOGUE WITH DECISION-MAKERS
Spanish Government. Raquel Yotti, General Secretary for Research.
Ministry of Science and Innovation
Spanish Government. Juan Fernando Muñoz Montalvo, General Secretary for Digital Health, Information and Innovation of the National Health System. Ministry of Health
European Commission. Isabel de la Mata, Principal Adviser for Health and Crisis Management
The Global Fund. Françoise Vanni, Director of External Relations and Communications
The Bill and Melinda Gates Foundation. Anja Langenbucher, Director for Europe
Drugs for Neglected Diseases Initiative [DNDi]. Bernard Pecoul, Executive Director
African Centres for Disease Control. Wessam Mankoula, lead of the Emergency Operations Center
World Health Organization Hub for Pandemic and Epidemic Intelligence. Oliver Morgan, Director for Global Health, Surveillance and Risk Assessment of Health Emergencies
ISGlobal. Antoni Plasència, Director General, Spain

Participation from the audience.
*Speakers from Barcelona sessions will be able to participate in Madrid session

The event will be recorded for those people who may not be able to attend and for documentation purposes. By default, your microphone and camera will be muted when you join the Barcelona sessions by Zoom meeting (previous online registration necessary). If you do not want to be included in the recording, simply keep your camera and microphone off — you may ask questions in the chat window.

Streaming (for the Madrid session on May 6):
www.fundacionareces.tv/directo
REFERENCES


