



# Zoonotic Disease Integrated Action (ZODIAC): Current Status and Future Direction

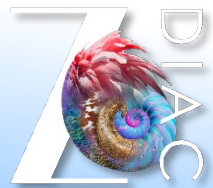


**IAEA**

International Atomic Energy Agency

*Atoms for Peace and Development*

# Nuclear science to combat zoonotic diseases

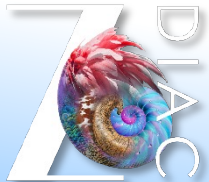


# Response to COVID-19

RT-PCR testing kits to  
> 300 laboratories in 130 countries

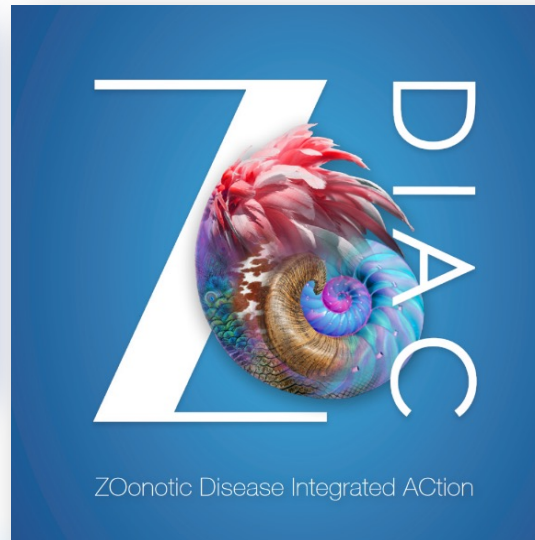
**IAEA assistance for the rapid  
detection and management of**

**COVID-19**

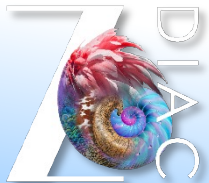
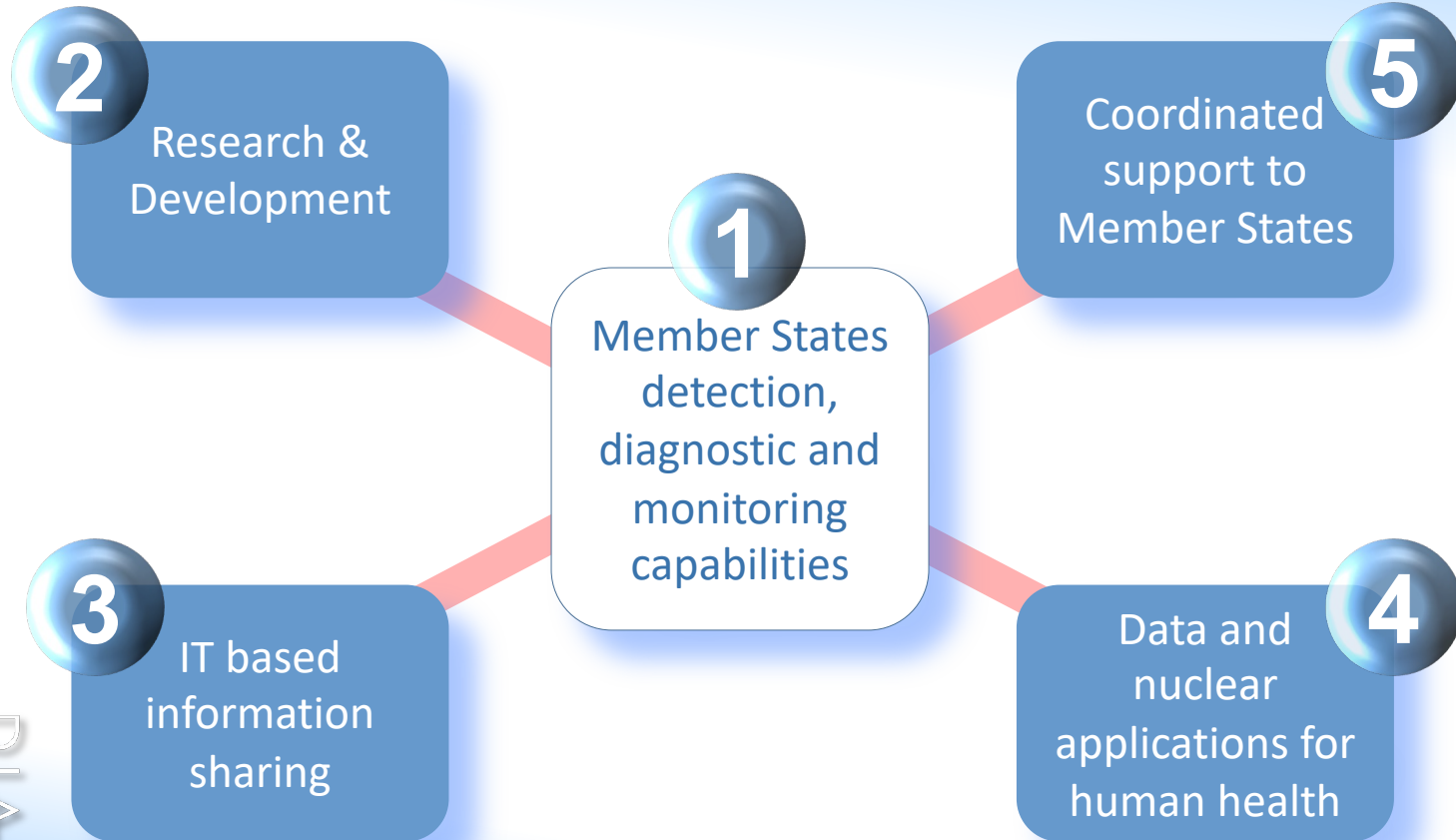


# ZODIAC

...an IAEA initiative to **increase** zoonotic diseases detection, diagnosis and monitoring **capacities** in Member States using nuclear and related techniques



# The five pillars of ZODIAC

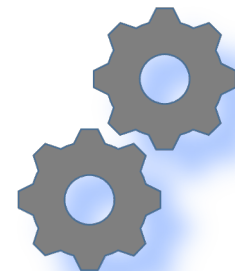


# Capacity Building

## Membership



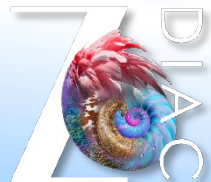
- 150 Member States nominated a ZODIAC National Coordinator (ZNC)  
(Africa: 44; Asia-Pacific: 34; Europe: 42; Americas: 30)
- 127 Member States nominated a ZODIAC National Laboratory (ZNL)  
(Africa: 42; Asia- Pacific: 25; Europe: 38; Americas: 22)



## Procurement



- On the path to equipping almost half the ZNLs
- Additional support will be provided as funds become available



# Capacity Building

## Training



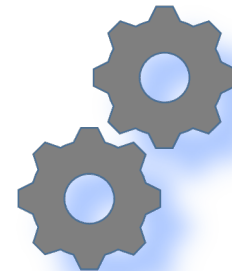
- Over 1,000 participants from over 95 Member States have been trained through virtual interregional training courses;
- The first ZODIAC fellows have been trained at Seibersdorf laboratories;



- The first face-to-face trainings in Argentina, Korea, and Senegal have taken place on the verification of Standard Operating Procedures for new serological and molecular techniques.

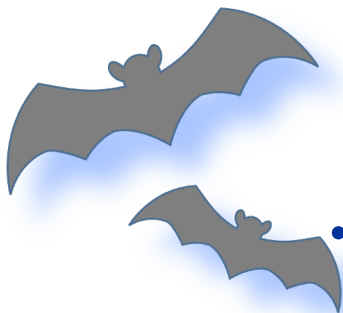


- First joint workshop with FSPI and PREZODE took place in Thailand for ASEAN countries.



# Research and Development

- Priority diseases determined for four regions and first research projects ready to commence – project starting for Asia and the Pacific region
- Project ongoing on the 'Detection of Emerging and Re-emerging Transboundary Animal and Zoonotic Pathogens at the Animal Human-interface'
- Core institutions identified for the research project on characterizing disease-specific patterns in the context of zoonotic disease infected patients
- ZODIAC Ad-hoc Scientific Panel of experts formed

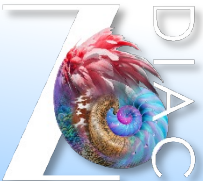
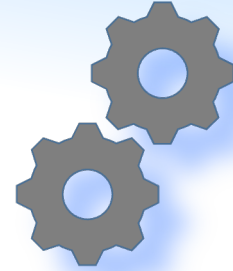




# The ZODIAC Portal - > 1,000 visitors

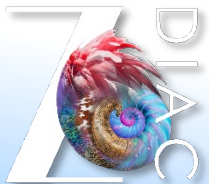


The screenshot shows the IAEA ZODIAC portal homepage. At the top, the IAEA logo and name are visible. The main navigation bar includes links for Home, Educational Videos, Training Videos, ZODIAC Briefings, Donor Page, Collaborations & Other Initiatives, Research & Development, and iNetNet. A search bar is located on the right. The central feature is a video player titled "Preparing the world for future pandemics" with a play button and "Watch Later" and "Share" options. Below the video, there are sections for "Nuclear Explained - New Podcast Explores the Nuclear Side of Life" and "UN Global Marketplace". A "CALL FOR PARTNERSHIP FOR DONATION" banner is also present. The footer contains the copyright notice: "Copyright © 2022 International Atomic Energy Agency (IAEA). All rights reserved."

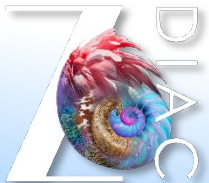


The screenshot shows a detailed view of a call for partnership on the UN Global Marketplace. The header includes the United Nations logo, "GLOBAL MARKETPLACE", language options (English), a help center, and login/register buttons. The main heading is "CALL FOR PARTNERSHIP FOR DONATION AND/OR FREE-OF CHARGE LOAN OF EQUIPMENT IN SUPPORT OF THE ZOONOTIC DISEASE INTEGRATED ACTION (ZODIAC)". A sidebar on the left lists navigation options: Home, Procurement Opportunities, Contract Awards, Tender Alert Service (TAS), Supplier Code of Conduct, United Nations Standard Products and Services Code (UNSPSC), Help Center, Knowledge Center, UN Procurement Statistics, and IAEA. The main content area features the call for partnership title, an "Express Interest" button, and reference information: "Reference: R-EOI No. 560557-RL, ZODIAC - Call for Partnership", "Beneficiary countries: Multiple destinations (see 'Countries' tab below)", "Published on: 22-Apr-2022", and "Deadline on: 31-Oct-2022 00:00 (GMT 2.00) Brussels, Copenhagen, Madrid, Paris". A "Description" section begins with "R-EOI NO. 560557-RL" and "CALL FOR PARTNERSHIP FOR DONATION AND/OR FREE-OF-CHARGE LOAN OF EQUIPMENT IN SUPPORT OF THE ZOONOTIC DISEASE".

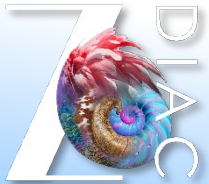
# Collaborations and Partnerships



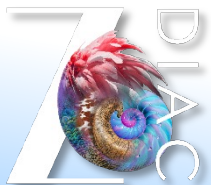
# Collaborations and Partnerships



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# Workshop on Monkeypox with WHO & FAO

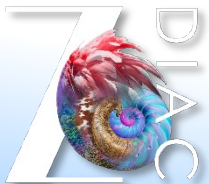


# So far we have 15 donors



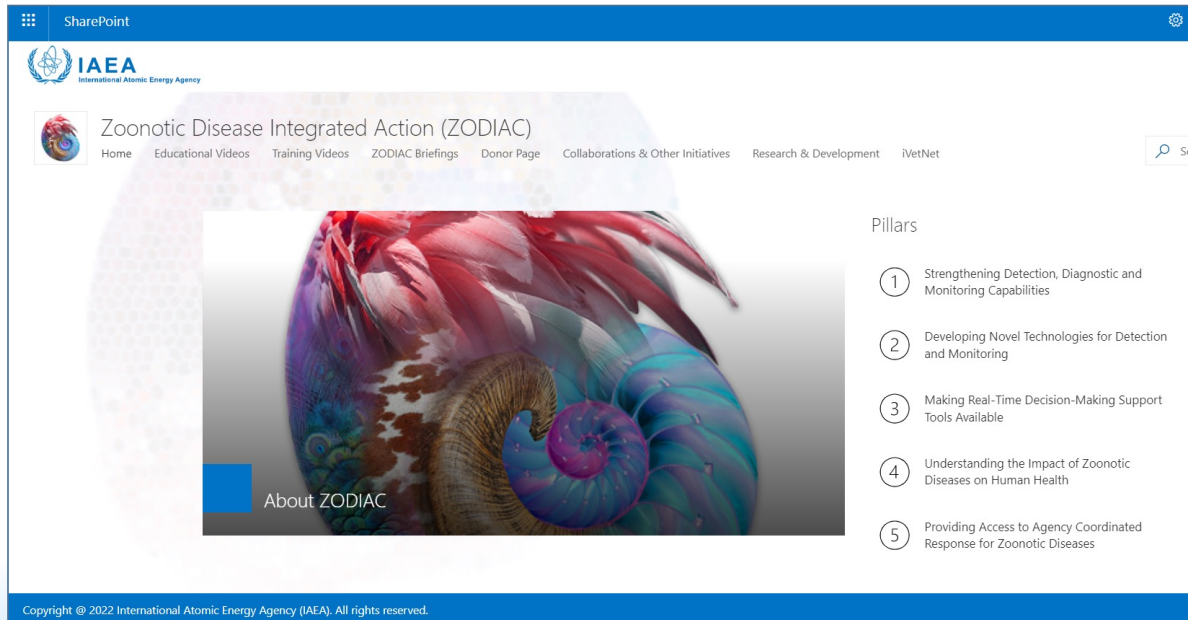
With gratitude for the generous contributions of our Member States



# ZODIAC portal

<https://zodiac.iaea.org>



The screenshot shows the SharePoint interface for the ZODIAC portal. At the top, there is a blue header with the SharePoint logo and the IAEA logo. Below the header, the main content area features a large, colorful image of a ram's head and a nautilus shell. The text "About ZODIAC" is overlaid on the bottom left of this image. To the right of the image, there is a section titled "Pillars" with a list of five items, each numbered in a circle. The list items are: 1. Strengthening Detection, Diagnostic and Monitoring Capabilities; 2. Developing Novel Technologies for Detection and Monitoring; 3. Making Real-Time Decision-Making Support Tools Available; 4. Understanding the Impact of Zoonotic Diseases on Human Health; 5. Providing Access to Agency Coordinated Response for Zoonotic Diseases. At the bottom of the page, there is a blue footer with the copyright notice: "Copyright © 2022 International Atomic Energy Agency (IAEA). All rights reserved."

SharePoint

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Zoonotic Disease Integrated Action (ZODIAC)

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Search

Pillars

- 1 Strengthening Detection, Diagnostic and Monitoring Capabilities
- 2 Developing Novel Technologies for Detection and Monitoring
- 3 Making Real-Time Decision-Making Support Tools Available
- 4 Understanding the Impact of Zoonotic Diseases on Human Health
- 5 Providing Access to Agency Coordinated Response for Zoonotic Diseases

About ZODIAC

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