



TESAJHA TEKO
PORAVE
MOTENONDEHA
MINISTERIO DE
SALUD PÚBLICA
Y BIENESTAR SOCIAL



TETĀ REKUÁI
GOBIERNO NACIONAL
Jajapo ñande raperã ko'ãga guive
Construyendo el futuro hoy

Disaster Risk Reduction in Paraguay

A model using Sendai Framework for Disaster Risk
Reduction
2015 - 2030

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Steps to follow

- **Priority 1:** Understanding disaster risk.
- **Priority 2:** Strengthening disaster risk governance to manage disaster risk.
- **Priority 3:** Investing in disaster risk reduction for resilience.
- **Priority 4:** Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction.

Priority 1: Understanding disaster risk

Ciudad de Alberdi. Ñeembucú, Paraguay



National Public Health Emergency (NPHE): FLOODS PARAGUAY.

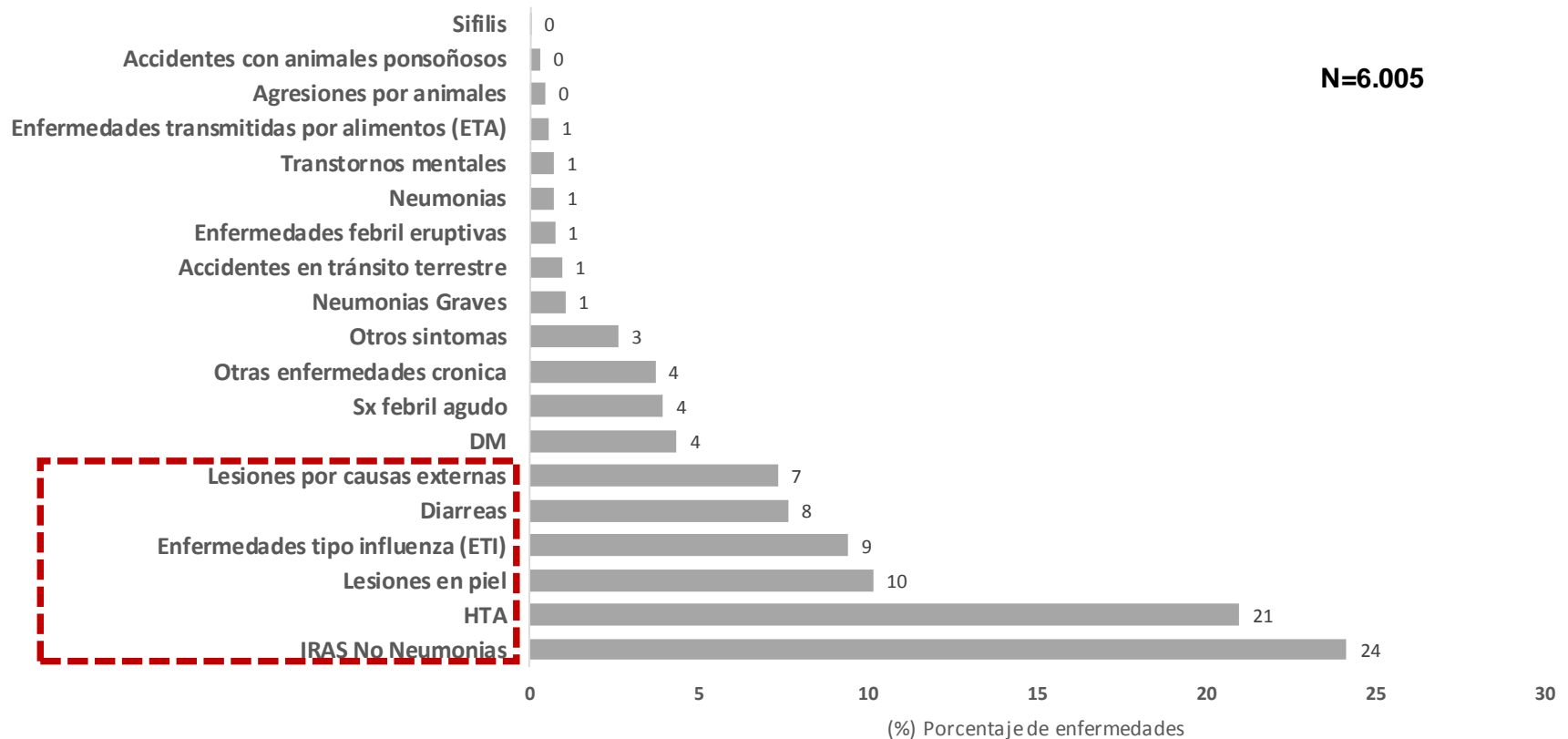
Hundred years of history

- According to forecast El Niño will continue, reaching its maximum intensity in January and lasted until Jun this year.
- The behavior is similar to the years 1997-1998 Child (very strong phenomenon).



- Departments and districts affected by flooding. Paraguay. 2016
 - Concepción
 - San Pedro
 - Cordillera
 - Guairá
 - Misiones
 - Alto Paraná
 - Central
 - Ñeembucú
 - Pte. Hayes
 - Asunción

Distribution of diseases, Flood-Paraguay, Dec 2015 event 5-Feb-2016

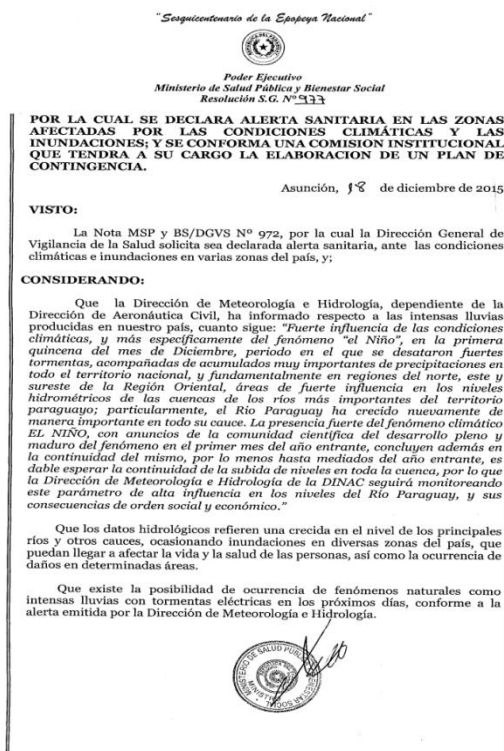


Fuente: Planilla de enfermedades DGVS al 05/02/2015

Priority 2: Strengthening disaster risk governance to manage disaster risk

Emergency committee: Health Ministry INSTITUTIONAL AND RESPONSE INTERSECTORIAL

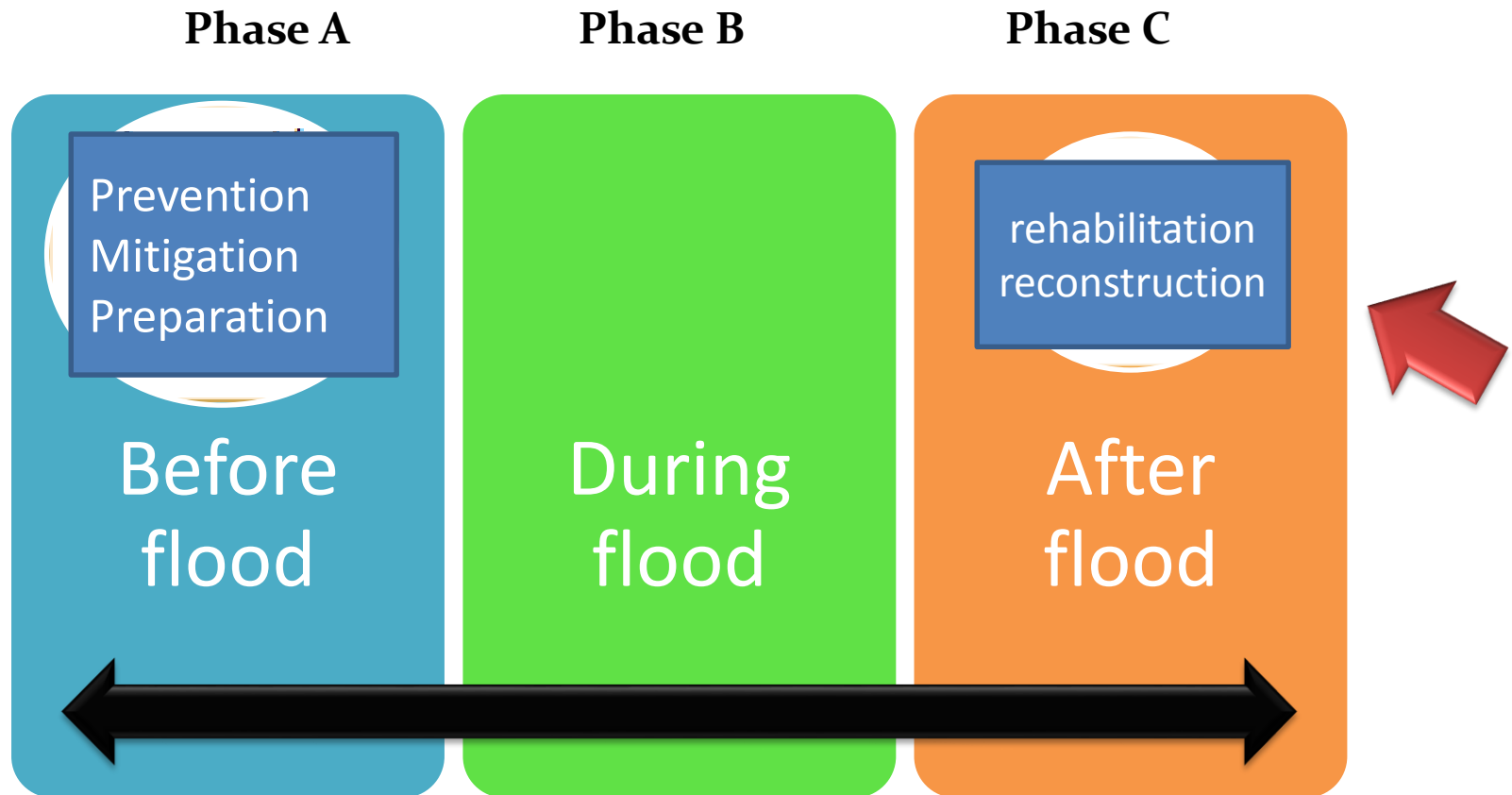
In the date 18.12.2015 the MSP and BS issues Resolution S. G. Health Alert No. 977 which declared in areas affected by floods and institutional commission for a contingency plan is formed.



Component	institutional managers
General coordination	Vice- Minister of Health
General Management and Planning	Cabinet, Planning and Evaluation
Health Care Disaster Emergency	Health Care Disaster Emergency
Patient Care	Networks and Health Services Directorate General of Health Services
Epidemiological surveillance	health surveillance
entomological surveillance and vector control	National Malaria Eradication Service (SENEPA)
Laboratory monitoring	Central Public Health Laboratory
Social communication	Health Communication
Health promotion	Health promotion
Enviromental health	Environmental Health (DIGESA), National Environmental Sanitation Service
Management products and supplies	Strategic inputs in Health
HR Organization Health	HR; Operational Procurement
Administrative and Legal Management	Administration and finance; Legal advice

Priority 3: Investing in disaster risk reduction for resilience.

Working phases: flood emergency



Improve coordination of intersectoral and multidisciplinary work to introduce activities that strengthen health organization and structure to reduce or limit the adverse impact of threats

Using resources and opportunities for alerts to guide intervention activities and assistance to communities and individuals directly affected by the floods and which can respond to the health effects of these.

Minimize the impact of the consequences of health problems arising during the flood, targeting rehabilitation and repair of affected communities and the services involved.

Projects

- Strengthening surveillance and preparation.
- Housing construction project outside flood areas.
- Development of integrated projects (work, health , education, culture for people who lives in flood areas).
- Social communication strategy.
- Educational strategy



Athropod borne diseases.
Potencial disaster impact

Distribution of Aedes aegypti and A. albopictus in the Americas



Circulating virus serotypes Dengue

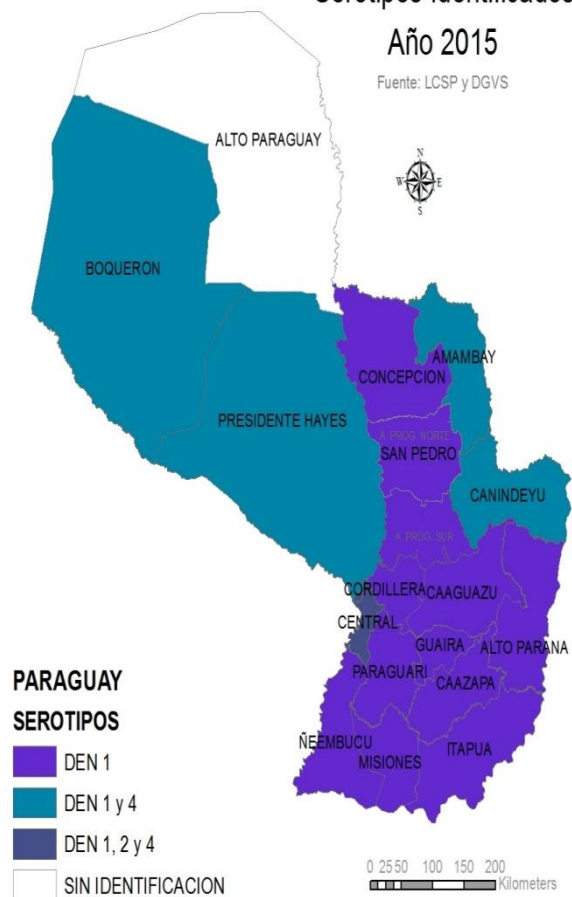
2015

2016*

Serotipos Identificados

Año 2015

Fuente: LCSP y DGVS



PARAGUAY
Serotipos Identificados
por Departamentos
Año 2016



Fuente: LCSP y DGVS

Geoprocesamiento: G.M. - CNE/DGVS

Actualizado al 01/02/2016

Dengue outbreaks assets. Paraguay

Asuncion Metropolitan Area (AMA)

Alto Parana (Ciudad del Este)

Amambay (Pedro Juan Caballero)

Guairá (Villarica, Barrio Yvaroty),

Concepción

San Pedro Norte

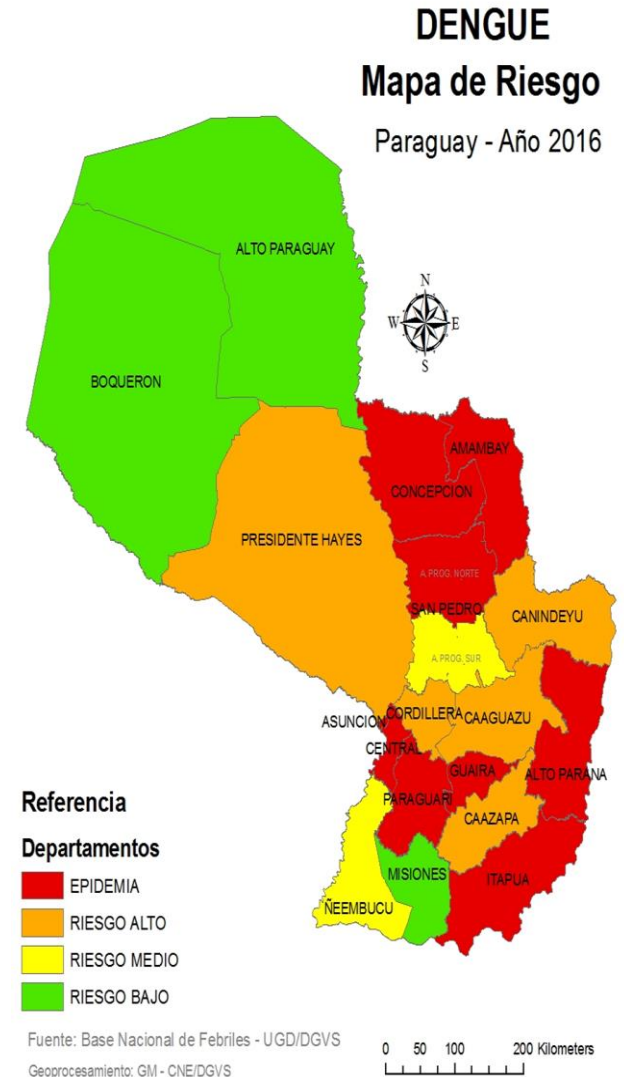
Paraguarí (Paraguarí districts and

Yaguarón)

Itapúa (Encarnation)

In Asunción; outbreaks: Loma Pyta, Zeballos cué, San Pablo, Obrero, Mbocayaty, San Vicente, Trinidad, Roberto L. Petit.

In Central; outbreaks brotes: San Lorenzo, Capiatá, Fernando de la Mora, Luque, Mariano Roque Alonso, Ñemby, Villa Elisa.



Chikungunya virus circulation. Paraguay

2015*

2016**



* In the departments of Alto Paraná, Misiones, Guairá, San Pedro, Presidente Hayes and Boquerón confirmed cases related to areas of sustained transmission were recorded.

** CHIKV confirmed in the Central department, Fdo cases. de la Mora and Paraguairí, Yaguarón.



February 1, 2016

WHO announces that the association of microcephaly Zika is a public health emergency of international concern (PHEIC)

Health Regulations (2005) on the Zika virus and increased neurological disorders and congenital malformations



OMS



VIRUS DE ZIKA

Zika current circulation in the Americas, February 2016



Countries and territories reporting Zika virus circulation:

- Aruba
- Barbados
- Bolivia
- Brasil
- Colombia
- Curacao
- Ecuador
- El Salvador
- Guatemala
- Guadalupe
- Guyana
- Guiana Francesa
- Haiti
- Honduras
- Islas Virgenes USA
- Jamaica
- Martinica
- México
- Nicaragua
- Panamá
- Paraguay
- Puerto Rico
- Rep Dominicana
- Saint Martin
- Surinam
- Venezuela

Zika virus circulation. Paraguay

2015*

PARAGUAY VIRUS ZIKA

Departamentos con casos de infección,
confirmados por laboratorio
Año 2015



* 6 cases live in dry zone border between Ponta Pora, Brazil, and Pedro Juan Caballero, Amambay, and is routinely mobilized between the two cities; 2 people relate a history of travel within the country, the department of Concepción.

The actions taken by the Ministry of Public Health and Social Welfare, were:

Intensified surveillance in border areas.





Intensified surveillance of acute febrile syndrome in pregnant and follow-up to the birth of babies.

Intensified control activities SENEPA.

Monitoring laboratory surveillance in border areas to confirm and / or rule out cases of febrile syndrome.

Encourage active community participation in the destruction of vector breeding sites

Differential diagnosis

Sign/ Symptoms	DENGUE	CHIKUNGUNYA	ZIKA
Fever	+++++	+++	++
Muscular and join pain	+++	+++++	++
Edema legs and hands	 0	+	++
maculopapular rash	++	+++	+++
Retrorbital pain	++	+	++
conjunctival hyperemia	 0	+	+++
Lymphadenopathy	++	++	+
Hepatomegaly	+	++	0
Leukopenia / thrombocytopenia	+++	+++	0
hemorrhage	+	 0	 0

Strategies

- Active government participation in management solutions.
- encourage active community participation in the destruction of vector breeding sites.
- stimulate active participation intersectorial.
- Public-Private Partnerships.
- Involvement of scientific societies.



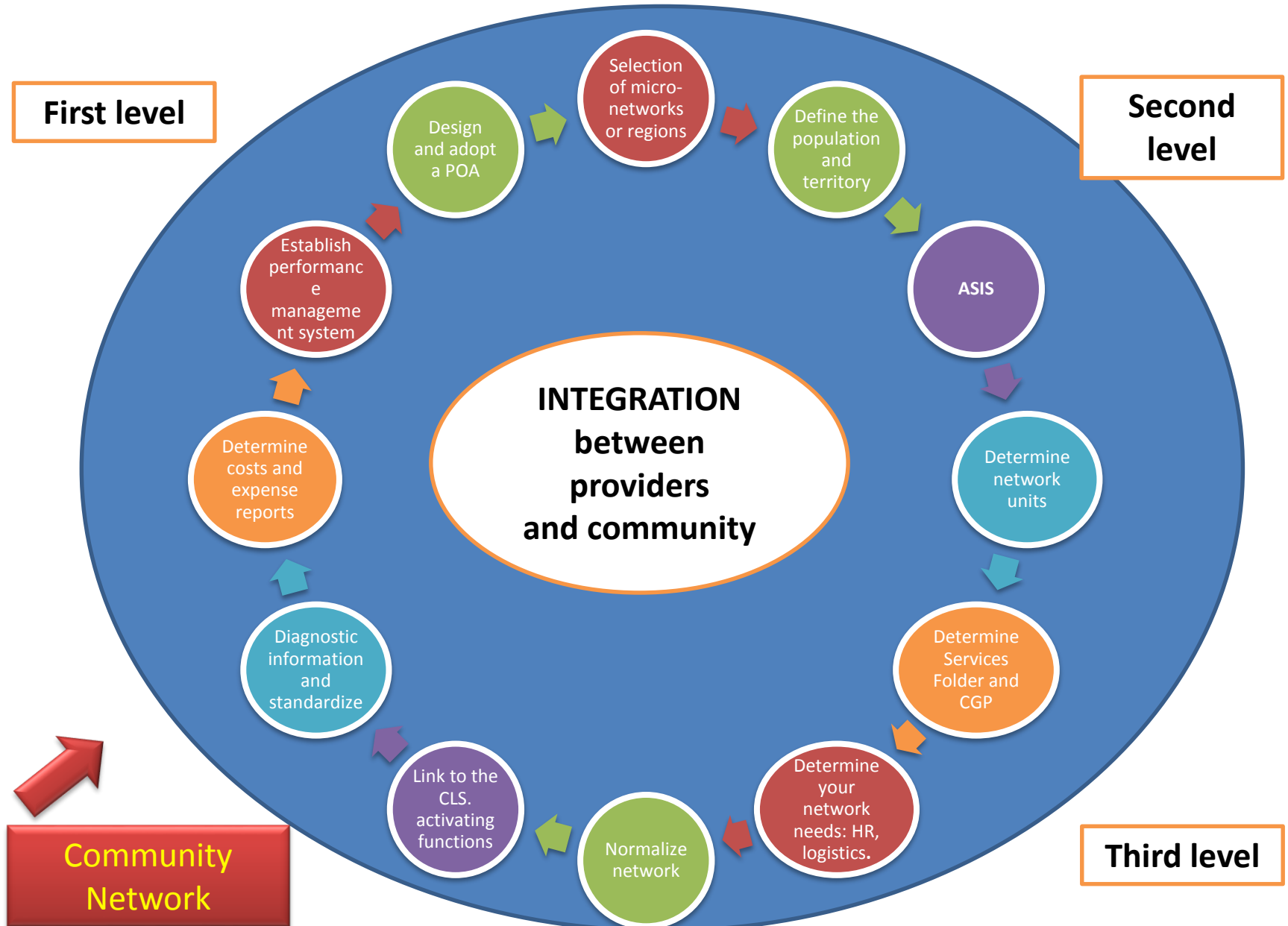
PUBLIC HEALTH EMERGENCY: NATIONAL AND INTERNATIONAL

Dengue, Chikungunya, Zika

IMS VECTORS
DENGUE, ZIKA Y CHIKUNGUNYA



Processes to follow in the health network in emergency. **Focus people**



Organizational response

Example: Health service for pregnant

Axes

- Early detection of cases.
- Community participation. Early careseeking.
- Management algorithms
- Family planning
- Tracking pregnant. (US).
- Management of suspected and confirmed cases(ethics)
- Preparation services.
- Network integration.
- Services post-acute phase

MONITORING OF PREGNANT

The Challenge of Zika Virus

- Early detection of pregnant women
- Regular and regular prenatal care.
- In each query should be questioned about the onset of clinical symptoms and signs.
- Special attention to routine tests for syphilis, toxoplasmosis, CMV and rubella, which will be relevant if you need etiologic Confirmation before a birth defect.



Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction in Paraguay

Recomendations

- Train the existing workforce and voluntary workers in disaster response(in all levels)







Strengthen technical and logistical capacities to ensure better response in emergencies



To promote the
cooperation of
diverse
institutions

- Stockpiling of necessary materials within the reach of the community



Main challenge

PowerPoint



Power People



Thank you...

