



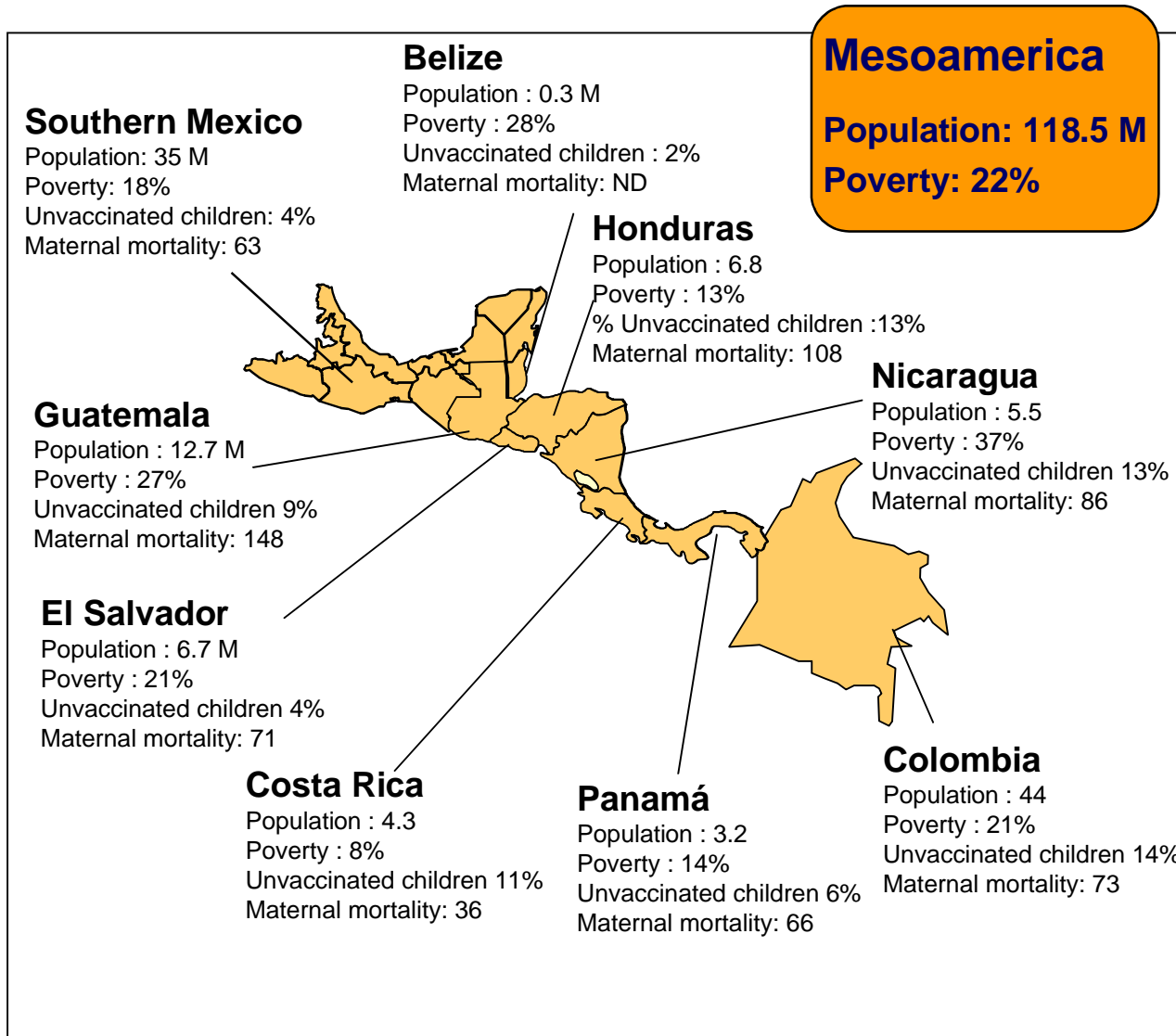
Mesoamerican Health System Initiative

**July,
2008**

Outline

- Needs for regional cooperation in health issues
- Proposed strategy for regional cooperation in health
- Challenges for implementation

Common health problems in Mesoamerican countries



- ## Main Health Problems
- 1 Over 500,000 pregnant women have no prenatal attention and 19 % no childbirth care, annually
 - 2 Over 15 million people are at high risk for dengue and malaria, annually (13% of total)
 - 3 Over 700,000 new borne children have no basic vaccination, annually, (26% of total)
 - 4 Over 400,000 children are malnourished (15% of total)

Sources: CEPAL, CONEVAL, ONU, UNICEF, OMS, OPS, Análisis de equipo

Present health systems conditions and needs to increase cooperation

Limitations

- Epidemiological surveillance
- Identification of health priorities
- Cost-effective health programs
- Response to health needs of poor and underprivileged populations
- Capacity for regional coordination



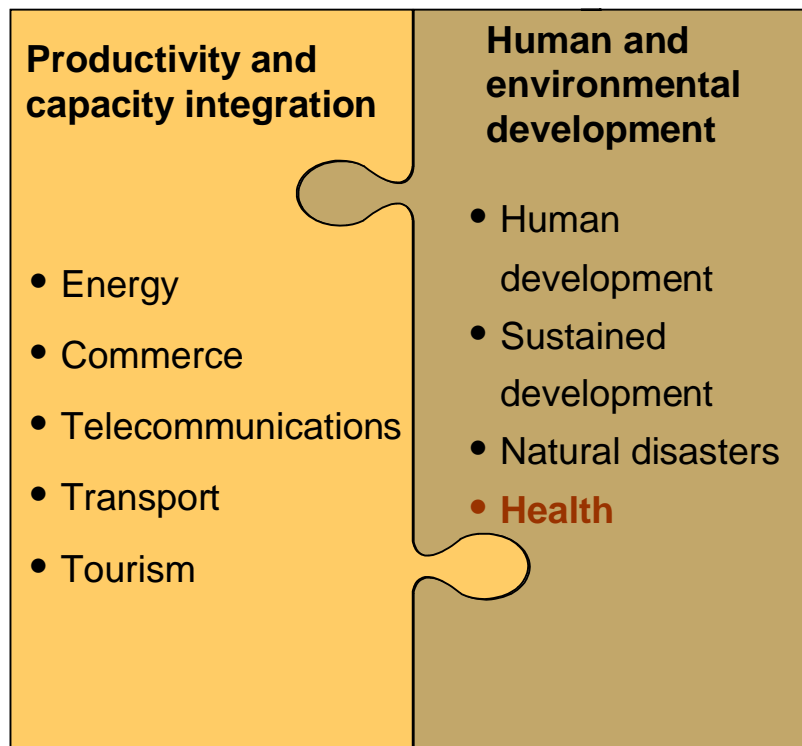
Needs

- Coordinated identification of regional health needs
- Development of integrated regional health programs
- Efficient multilateral coordination mechanisms
- Modern health system information
 - Strengthen technology capacities
 - Connectivity
 - Human resources

The Puebla - Panama Plan

- Mechanisms for dialogue and coordination to articulate cooperative, developing and integration efforts to improve the living quality of the inhabitants of the region

Initiatives included

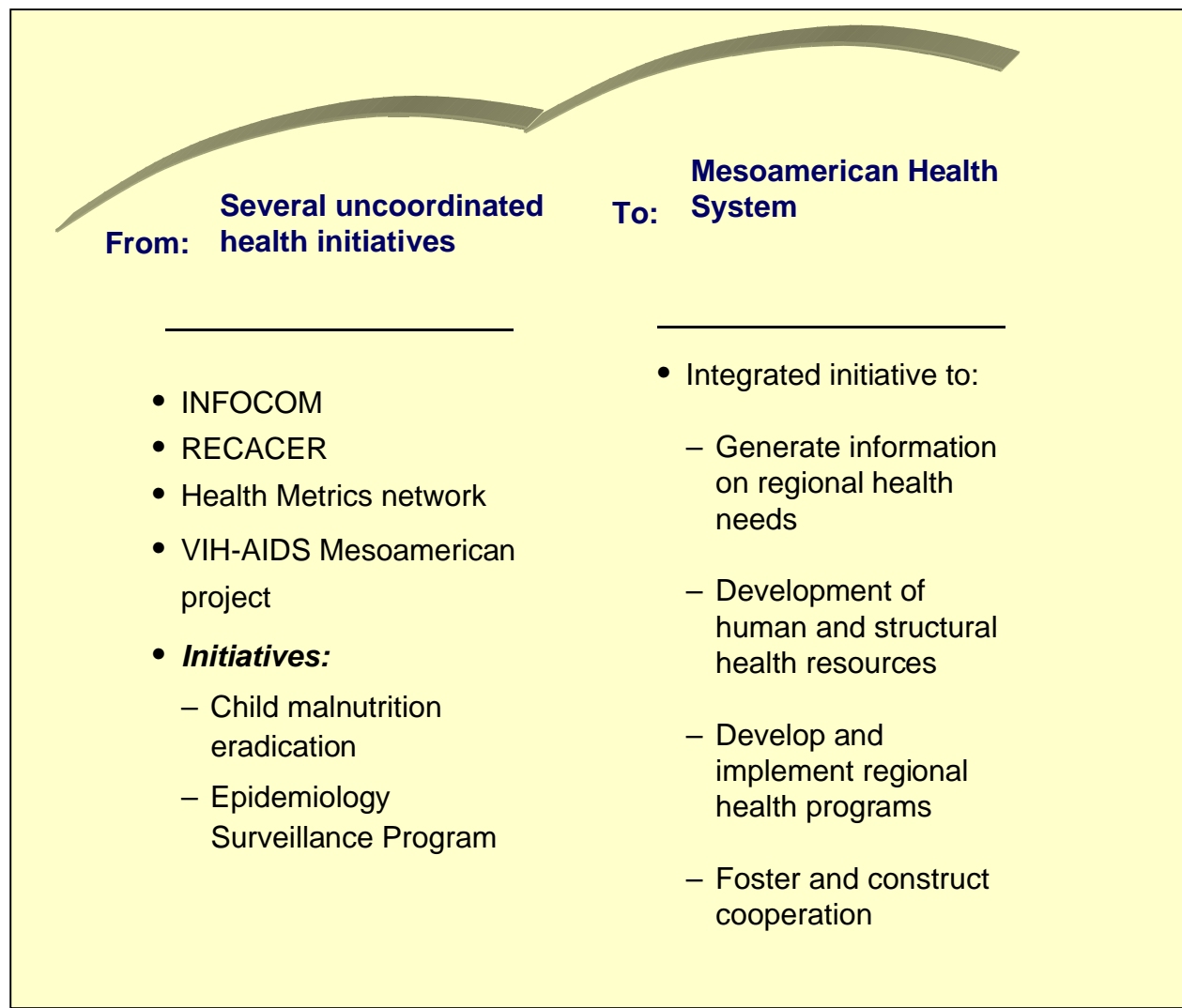


Several limited uncoordinated health initiatives

- INFOCOM
- RECACER
- Health Metrics network
- VIH-AIDS Mesoamerican project
- **Initiatives:**
 - Child malnutrition eradication
 - Epidemiology Surveillance Program

Proposed Mesoamerican Public Health System

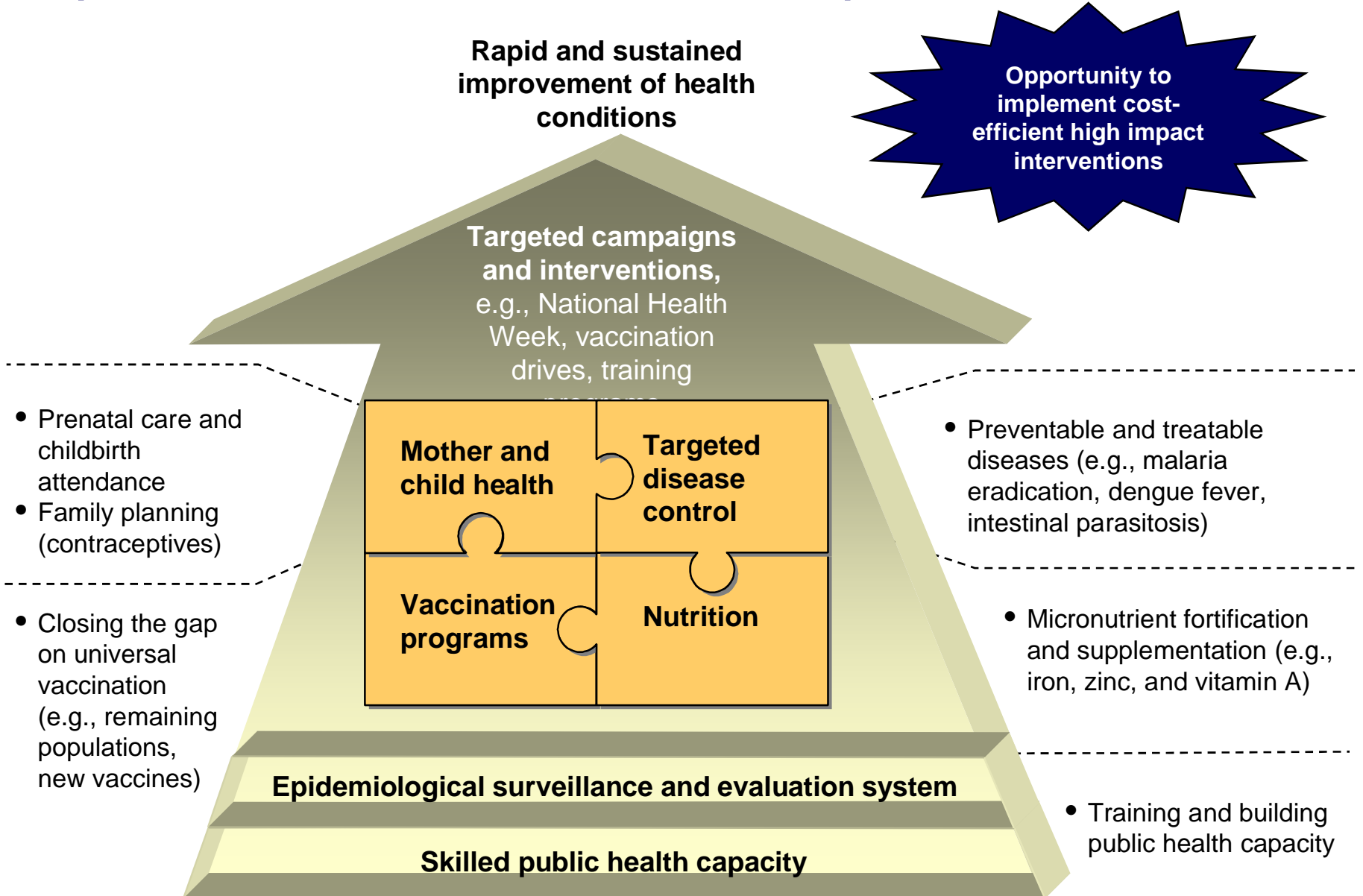
Proposed transformation of cooperation activities



Contenido

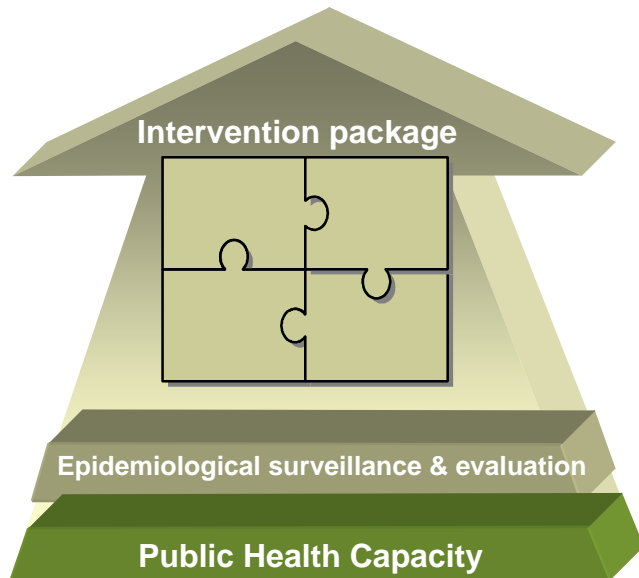
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Proposed Mesoamerican Public Health Components



Strengthen human capacities and infrastructure within a regional health system

Regional strategy for cooperation in health



Immediate activities: to intensify regional technical cooperation

Capacitate regional human resources

Objective

- To create regionally integrated human resources to carry out health programs

Description

- Courses and postgraduate training
- Support network institutional cooperation:
 - Public Health Schools in the region
 - Public health research programs in Latin America Universities

Operative research projects

- Focused in the introduction, improvement and incorporation of new strategies

- Further develop programs already proved successful
- Recuperate regional efforts needing maturation

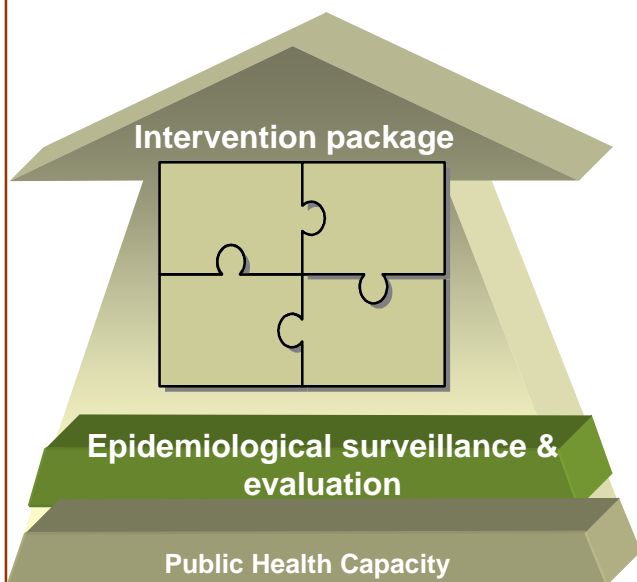
Processes for rapid response to emergent events

- New organization to improve responses capacities

- To create regional systems for:
 - Risk communication and elimination
 - Reporting
 - New initiatives coordination

Strengthen epidemiological surveillance systems in the whole region

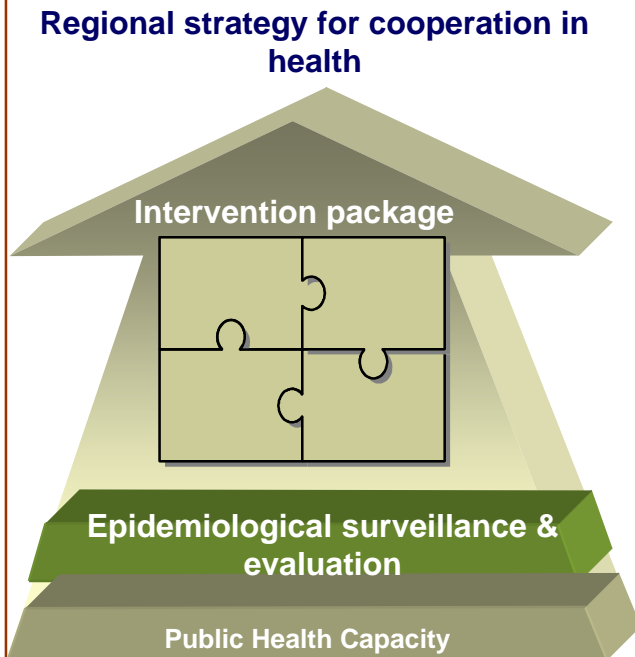
Regional strategy for cooperation in health



Immediate activities: build bases for regional epidemiological surveillance

Information type	Objective	Description
Systems and technology	<ul style="list-style-type: none"> Systems' modernization to improve responses to emergencies and evaluate interventions 	<ul style="list-style-type: none"> Improve informatics technology and renovates technical capacity
Interconnectivity	<ul style="list-style-type: none"> Facilitate sharing critical information for policy and decision making 	<ul style="list-style-type: none"> Construct a regional integrated system for epidemiological surveillance
Training	<ul style="list-style-type: none"> Develop human resources to operate an integrated surveillance system 	<ul style="list-style-type: none"> Training in information systems management and best practices for measuring codify and share critical information

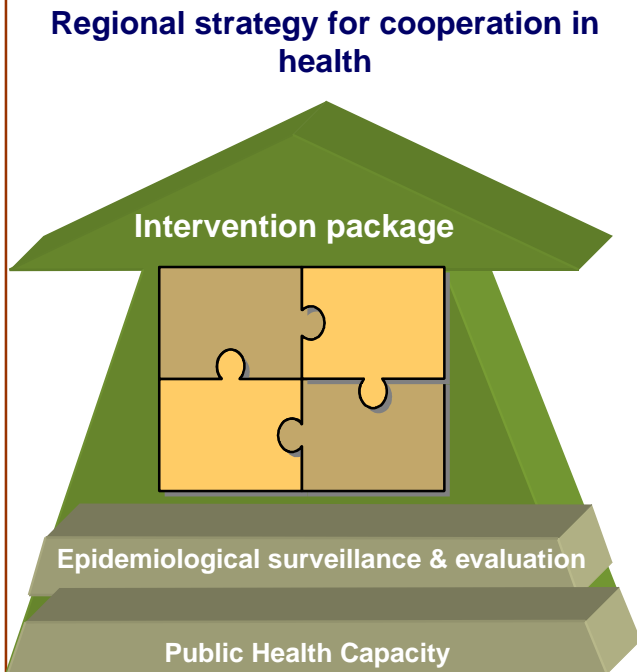
A Health and Nutrition Survey as the basis for a regional evaluation of the impact of interventions



Immediate activities: a regional health and nutrition survey

Information type	Objective	Description
Public health opportunity areas	<ul style="list-style-type: none"> Mesoamerican health situation diagnosis 	<ul style="list-style-type: none"> Design a common methodology Obtain information on: <ul style="list-style-type: none"> Magnitude and distribution of health conditions Geographic and demographic distribution
Infrastructure needs	<ul style="list-style-type: none"> Jointly evaluate : <ul style="list-style-type: none"> Health systems performance and needs 	<ul style="list-style-type: none"> Evaluate human, technological and resources infrastructure
Indicators of programs' progress	<ul style="list-style-type: none"> Build bases to: <ul style="list-style-type: none"> Evaluate interventions' results Improve programs 	<ul style="list-style-type: none"> Compare results from several years of coordinated activities Evaluate indicators

An intervention package to contribute to regional equity in health



Immediate activities : Consultation on regional intervention package

	Objective	Description
Mother and child health	<ul style="list-style-type: none"> Equity in pre-natal surveillance, childbirth care and basic maternal attention 	<ul style="list-style-type: none"> Close gaps in: <ul style="list-style-type: none"> Childbirth care Prenatal surveillance Post-natal care Clinical attention
Focalized control of diseases	<ul style="list-style-type: none"> Strategies to: <ul style="list-style-type: none"> Eradicate malaria Control dengue and intestinal parasites 	<ul style="list-style-type: none"> Package of regionally adapted interventions Integrated vector control Rapid diagnosis & treatment
Vaccination program	<ul style="list-style-type: none"> Regional equity in basic vaccination New cost effective vaccines 	<ul style="list-style-type: none"> Basic vaccination : <ul style="list-style-type: none"> EPI + MRP + 2nd opp. Measles Hep B/ Hib Expansion to Rotavirus and <i>Neumococcus</i>
Nutrition	<ul style="list-style-type: none"> Eliminate micronutrient deficiencies, improve immunity status and reduce mortality 	<ul style="list-style-type: none"> Eliminate deficiencies in: <ul style="list-style-type: none"> Vitamin A Iron Zinc

Contenido

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Challenges for the implementation of the Mesoamerican Health Initiative

Components

- Mother and child health
- Focalized control of diseases
- Vaccination program
- Nutrition

Challenges

- 1 Selection and prioritization of regional programs
- 2 Technical cooperation
- 3 Funding
- 4 Building alliances

1 Prioritization of regional intervention program components PRELIMINAR

Ranking of initiatives by cost - efficiency

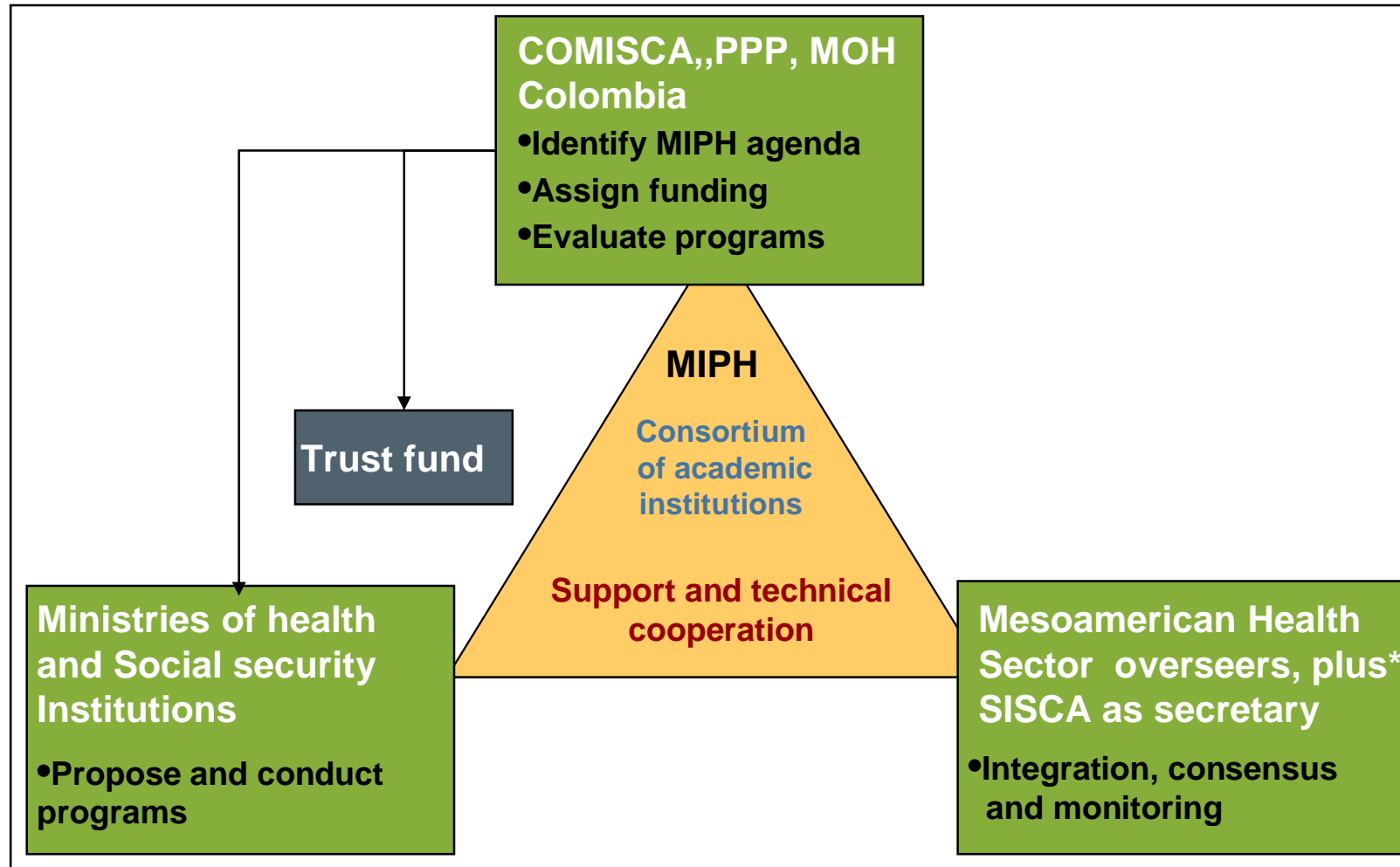
<u>PRELIMINAR</u>	<u>Cost- efficiency*</u> (USD\$ / AVAC)	<u>Basic package</u>
• Breast-feeding promotion	• 5.00	
• Albendazole	• 5.00	✓
• Vit A	• 8.00	✓
• Canc. Cerv. (IVA)	• 54.00	
• Iron	• 70.00	✓
• Zinc	• 73.00	✓
• Pre- & peri-natal	• 144.00	✓
• Malaria package	• 300.00	✓
• PAI	• 438.00	✓
• Rotavirus	• 650.00	✓
• MRP + 2nd op. SRP	• 800.00	
• Influenza (>65)	• 1,000.00	
• Dengue (Control)	• 2,000.00	✓
• VPH vaccine	• 3,000.00	
• Neumococcus (>65)	• 3,300.00	✓
• Contraceptives	• 6,000.00	✓
• Influenza (children)	• 10,000	
• Hep B + Hi B	• 11,000.00	✓
• Hep A	• 20,000.00	
• IPV	• ~100,000 - 1,000,000.00s	
• <i>Pertusis Acellular</i>	• >1,000,000s	

Next steps

- Exhaustive analysis of potential initiatives and prioritization based on:
 - Cost – efficiency and potential impact
 - Practical considerations and feasibility
 - Contribution to equity
- Strategy to build consensus among participants to establish a final intervention program

*Historic values obtained from similar situations in Latin America

2 A Mesoamerican Institute of Public Health (MIPH) will coordinate technical cooperation

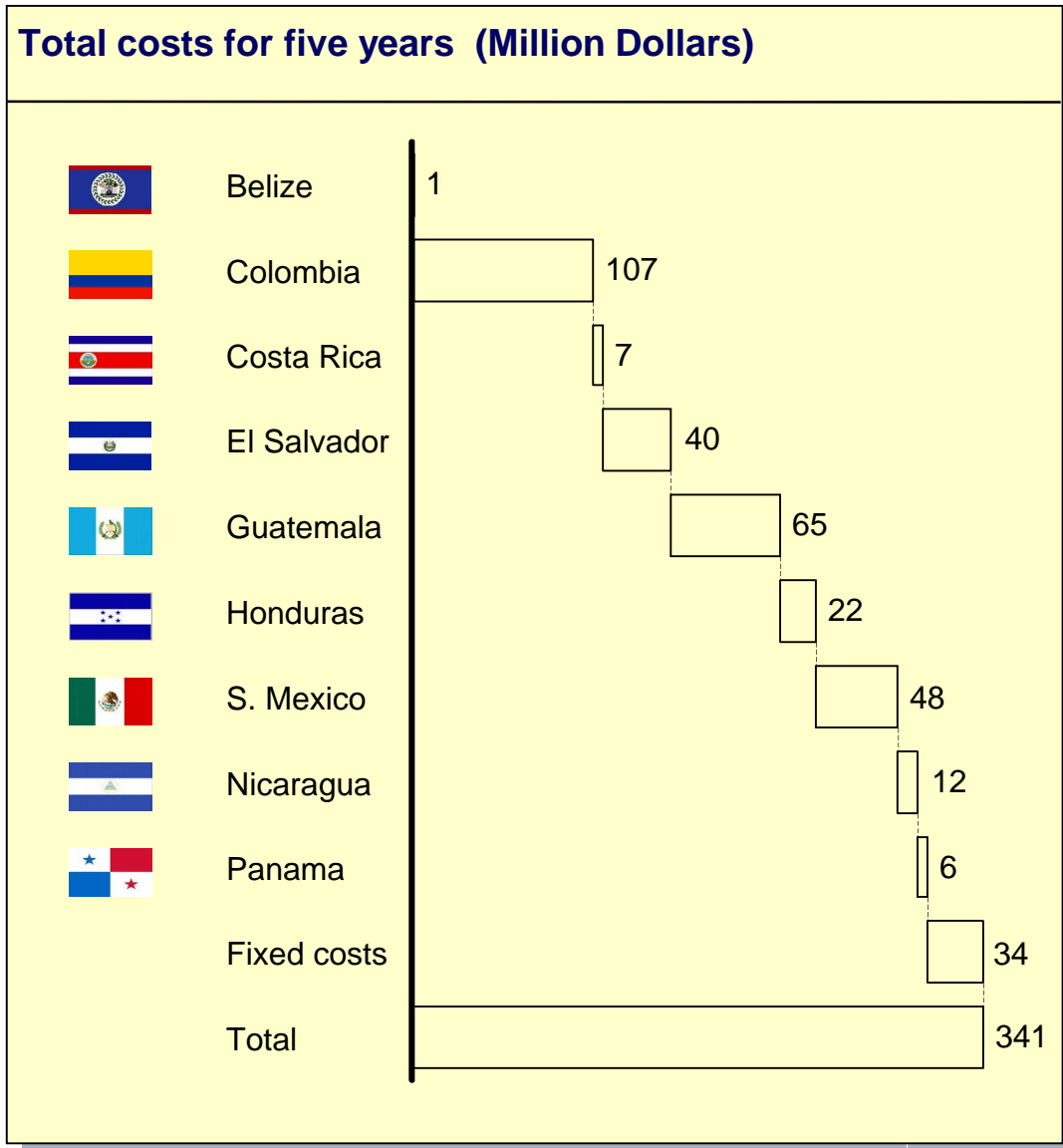


* With participation of international organizations

3

Funding

PRELIMINAR ESTIMATIONS



4 Private - public alliances

Mesoamerican governments



- Support the initiative (meetings in Geneva, Mexico City, Tabasco)
- Provide support operative activities, technical support and funding
- Inform on results and use of resources

Sponsoring governments

Spain

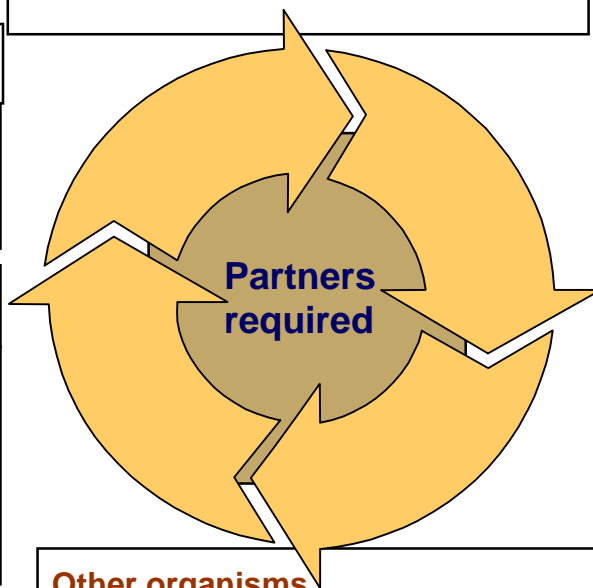


- Has manifested interest in collaboration financing part of the initiative

Mexico



- Has manifested interest in financing part of the initiative
- Provides technical coordination of the initiative



Sponsoring/funding foundations

BILL & MELINDA GATES foundation Fundación CARLOS SLIM

- Committed 6 million USD for the planning stage
- Considering to contribute with ~100 million USD for program implementation

Other organisms

- Potential participation of international organizations:
 - BID / BCD (donors + financing management)
 - PAHO (technical support)
 - Others (>17)