

PREPAREDNESS AND RESILIENCE FOR EMERGING THREATS (PRET)

A CALL TO ACTION



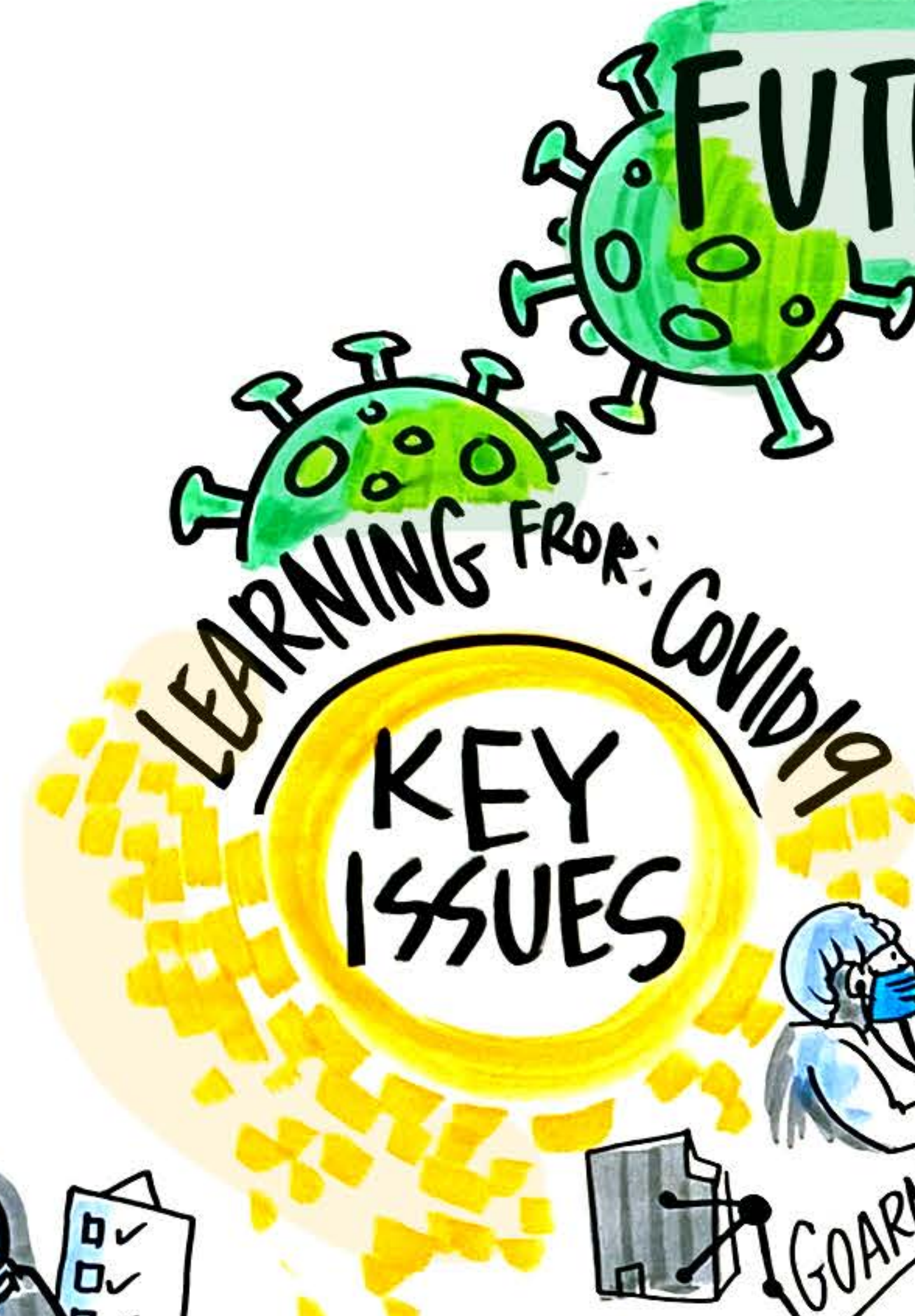
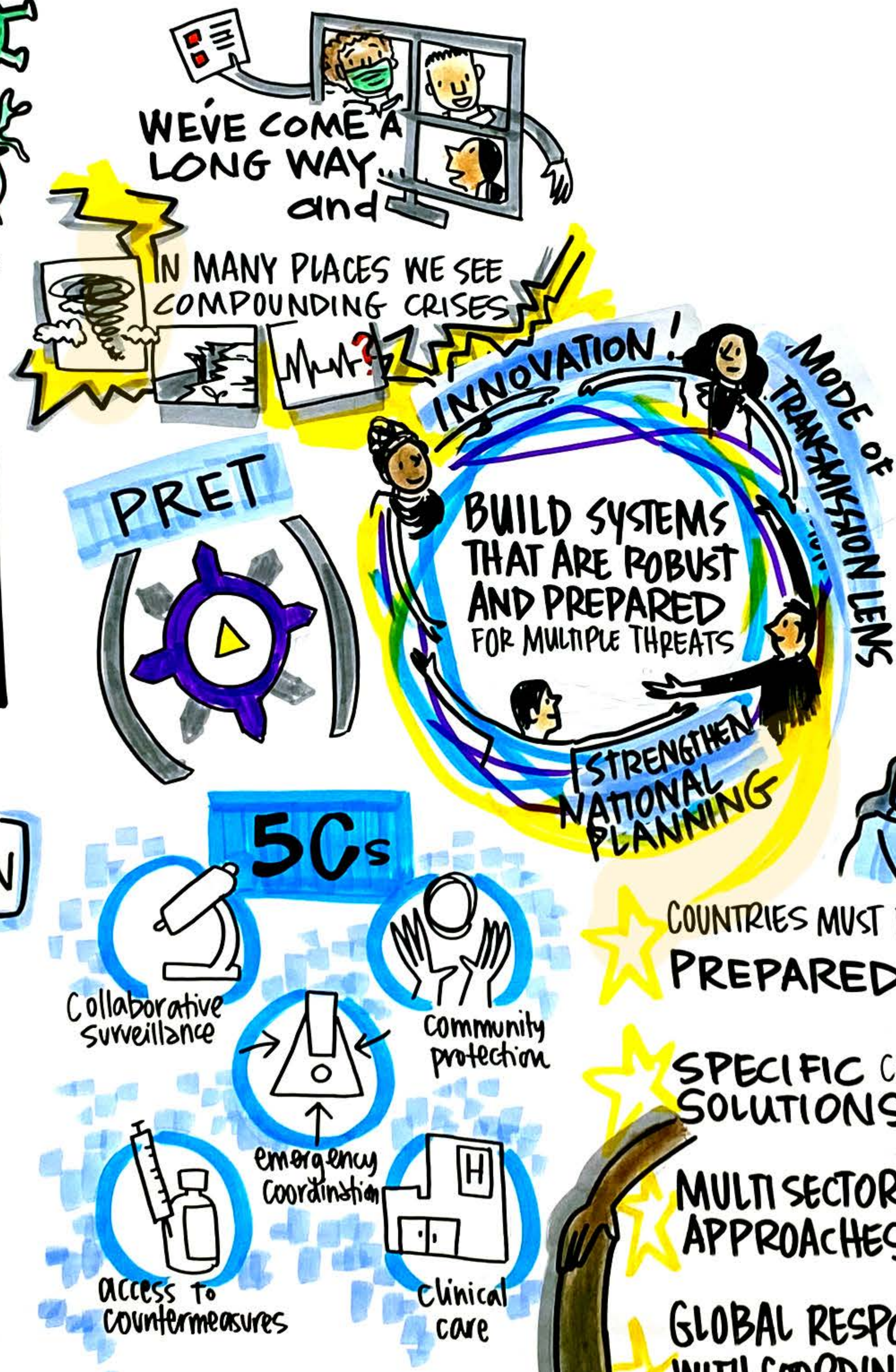
GLOBAL MEETING ON FUTURE RESPIRATORY PATHOGEN PANDEMICS

- A CALL TO ACTION
- PUBLISH MODULE 1
- INFORM A GLOBAL ROADMAP

AND TO EXCHANGE INFORMATION

- #### 3 TIERS FOR SYSTEMS AND CAPACITY STRENGTHENING
- ALL/MULTI-HAZARDS (NAPHS)
 - PATHOGEN GROUP (PRET)
 - SPECIFIC TO A PATHOGEN

INTRO



PANEL PERSPECTIVES FROM UNIONS, RELIGION, SCIENCE + INTERNATIONAL

FUTURE PANDEMIC PREPAREDNESS

WE NEED EVEN MORE

CONNECTION: REGIONAL + COMMUNITY LEVEL

*** WHOLE OF SOCIETY APPROACH NEEDED ***

BIGGEST GAINS DURING COVID-19?

ACTION!

GLOBAL LEVEL - ALL SECTORS

SOME/NEEDED ENABLERS

- NEED FOR INCOME SUPPORTS
- ADVANCED PLANNING FOR PROTECTIONS/PPE
- COMMUNITY LEADERSHIP, INCLUDING WORKPLACES
- MULTI-SECTOR RESPONSES
- INVESTMENTS IN SCIENCE AND TO ADDRESS INEQUITIES - NOT IN SILOS
- SUSTAINABILITY IN THE SYSTEM(S)



RELIGIOUS INSTITUTIONS ARE PROVIDING HEALTH/SOCIAL SERVICES

THEY ARE POLITICAL INFLUENCERS - INSIST THEY WORK TOGETHER

REACH

CENTRAL PARK

THE STRUGGLE TO ACT IN SOLIDARITY:

WE NEED SOCIAL + ECONOMIC RESPONSES TO HEALTH CRISES - NOT ONLY INDIVIDUAL ONES

MARGINALIZED COMMUNITIES

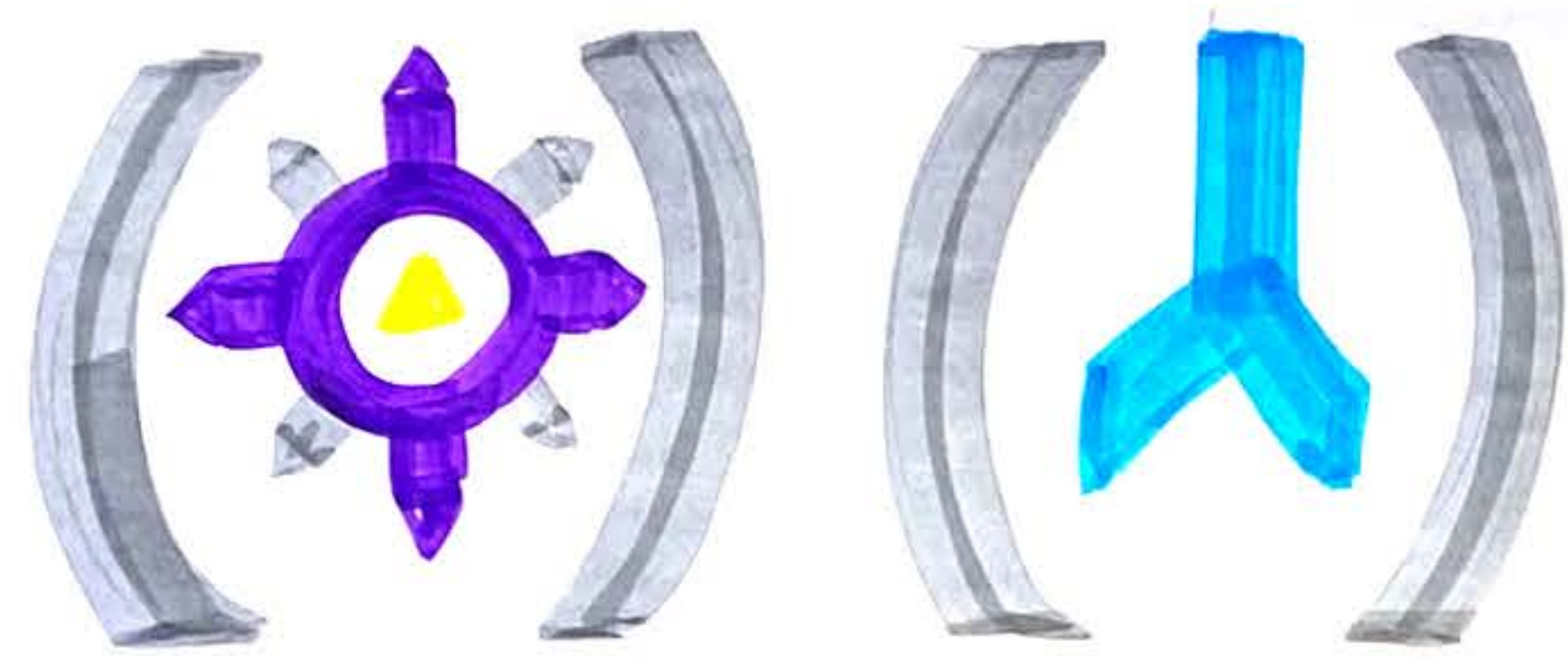
- Indigenous Communities' needs not being included
- Also often overlooked are people with disabilities

INVESTMENT + COLLABORATION IN RESEARCH

PRE-PRINT

SHARE DATA

SCIENCE BELONGS TO US ALL!



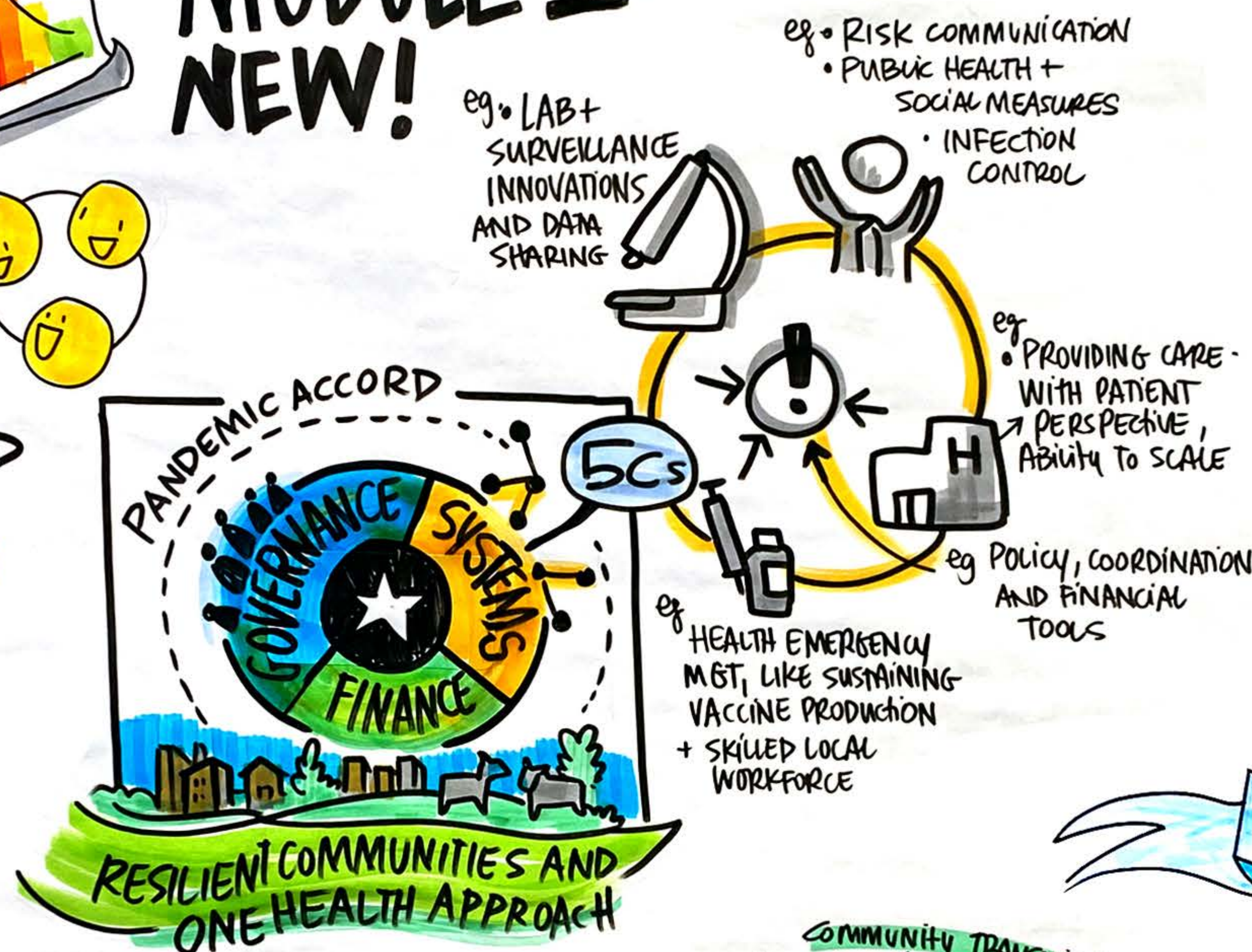
PRET: VISION FOR INTEGRATED RESPIRATORY PATHOGEN PANDEMIC PREPAREDNESS

PREPAREDNESS + RESILIENCE FOR EMERGING THREATS

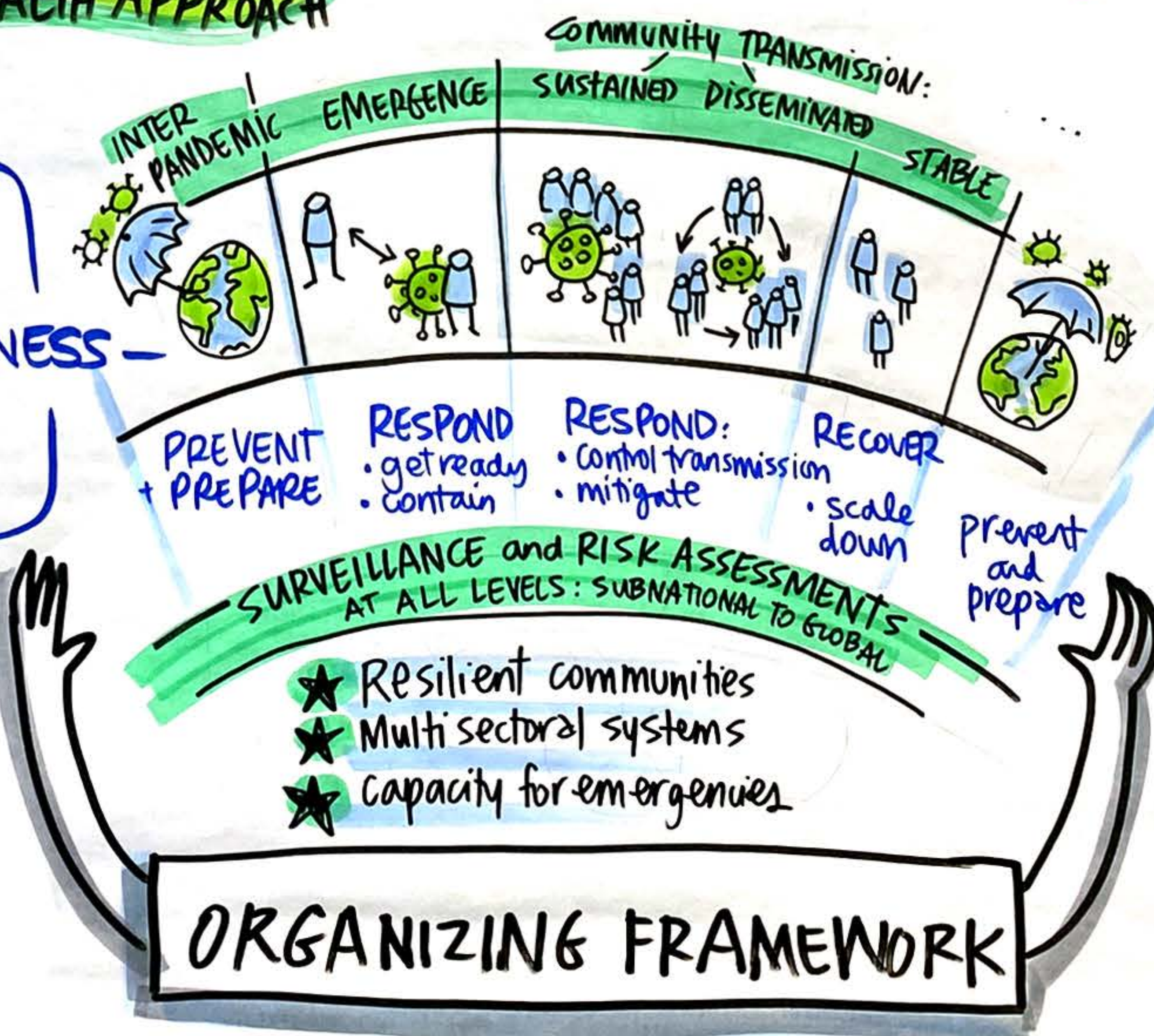
PRET:
TO HELP US
COORDINATE
AND COLLABORATE

MODULE 1: NEW!

INTEGRATE
INNOVATIONS,
+
ENGAGE BROAD
PERSPECTIVES
AND SECTORS



PRET MODULE 1:
TO ADDRESS
BOTH PREPAREDNESS
AND RESPONSE
PLANNING



- THE 5Cs:**
- Collaborative surveillance
 - Community Protection
 - Emergency Coordination
 - Access to Countermeasures
 - Clinical care

PREPAREDNESS WORKS

HEALTH IS EVERYONE'S BUSINESS

NO ONE IS SAFE UNTIL EVERYONE IS SAFE

RESPONSE IS AGILE AND ADAPTIVE

**STRENGTHEN
PREPAREDNESS**

**MONITOR
PREPAREDNESS**

PRET

**DEVELOP A
PLAN**
INCLUDING
M+E, etc

**ENSURE
THAT WE
CONSIDER
FRAGILE COUNTRY
CONTEXTS**

**STRONG ROLE
FOR GOVERNANCE**

**NEED FOR
SIMULATIONS
TO PRACTICE**

OPERATIONALIZING PRET: EXAMPLES

EG, MAPPING
THE LOCATIONS
OF BIO LABS
DOING HIGH RISK
WORK

FOR EXAMPLE,
ACCELERATE DEVELOPMENT
OF VACCINES AGAINST
PANDEMICS + ENSURE
ACCESS BY EVERYONE
IN NEED - BY
FUNDING MECHANISMS
+ VACCINE LIBRARIES

FOR EXAMPLE, AVIATION
HAD UNIQUE COLLABORATIONS:
NEXT, EXPAND TO BUILD
BILATERAL CORRIDORS
FOR MOVEMENT

INNOVATION!

STRENGTHEN
RESEARCH &
SCIENCE NOW...
AND INCLUDE
KNOWLEDGE
TRANSLATION!

ALWAYS BE
BUILDING
RELATIONSHIPS

COLLABORATIVE SURVEILLANCE



EMERGENCY COORDINATION



ACCESS TO COUNTERMEASURES

FOR EXAMPLE, COUNTRY
FOCUS ON LOGISTICS AND
SUPPLY CHAINS: SIMULATE
IN ADVANCE TO PRACTICE

FOR EXAMPLE, LIC:
INCREASING VAX DEVELOPMENT
LOCALLY; PROVIDING DRUGS
AND MEDICAL DEVICES PRODUCED
LOCALLY

PROTECT
HEALTH
CARE WORKERS!

COMMUNITY PROTECTION



FOR EXAMPLE, COUNTRY
PERSPECTIVE ON PREPARING
COMMUNITY ENGAGEMENT
PLANS INTER-PANDEMIC
AND BE READY

ENSURE PUBLIC
UNDERSTANDS IMPLEMENTATION:
+ LIMITS OF PROTECTION
LIKE RAPID TESTS

CLINICAL CARE

FOR EXAMPLE, BUILDING
ON FLU VACCINE PLAN
TO REACH MAX % OF
HCW - AT WORKPLACES
DURING COVID-19: SCALING
UP ENABLED REACH TO
UNDERSERVED GROUPS

FOR EXAMPLE, REPORT ON GLOBAL
IMPACT ON NURSES!
WORKPLACE SAFETY;
% OF WORKERS
LEAVING FIELD

NEED FOR MENTAL
HEALTH; INVESTMENT IN
NURSING TO MITIGATE
THIS; PLUS MORE PANDEMIC
PREPAREDNESS TRAINING

**GLOBAL
NETWORKS**

**NATIONAL
STRUCTURES**

**LOCAL
PRIMARY
HEALTH
CARE**

**HORIZONTAL: AN ALL-
HAZARDS APPROACH**

VERTICAL HAZARD APPROACH:

- INFLUENZA
- CORONA
- OTHER PATHOGENS
- SPECIFIC PATIENTS
- SPECIFIC PATIENTS
- SPECIFIC PATIENTS

**STRENGTHEN
SYSTEMS**

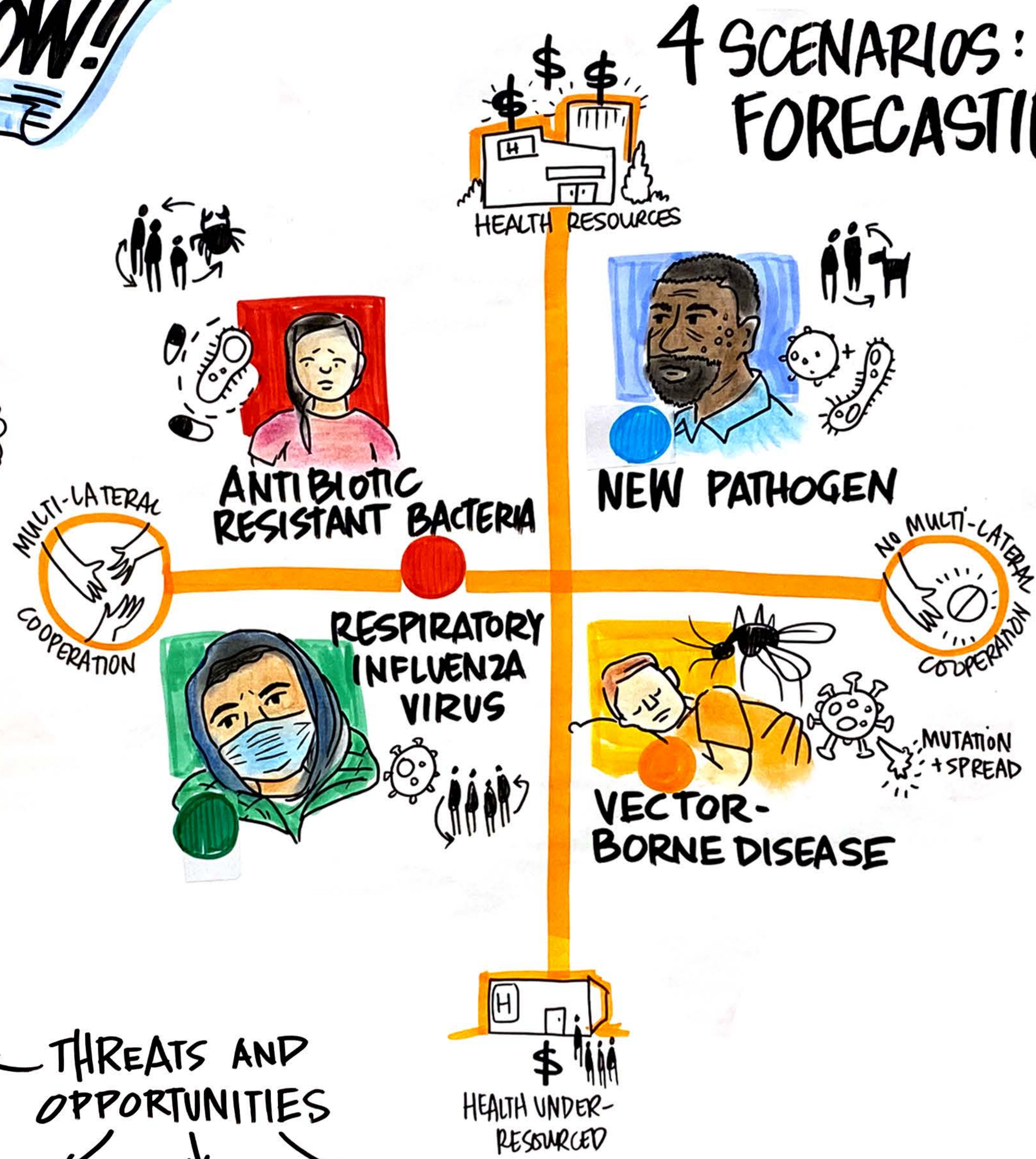
! RISKS AHEAD, PREPARE NOW!

SCENARIOS: GROUP WORK

SCENARIOS HELP US:



THINK THE UNTHINKABLE... PLAN FOR THE FUTURE IN ADVANCE!



- NON-GOVT ORGANIZATIONS:
- NOT RESPONDING WITH URGENCY YET
 - MISTRUST/MISINFORMATION CONCERNS
 - NEED FOR NGO PREPAREDNESS, CAPACITY
 - NEED FOR INVESTMENT + INCENTIVES
 - IMPORTANT LOCAL INFLUENCE/COMMUNITY ROLE

THREATS AND OPPORTUNITIES

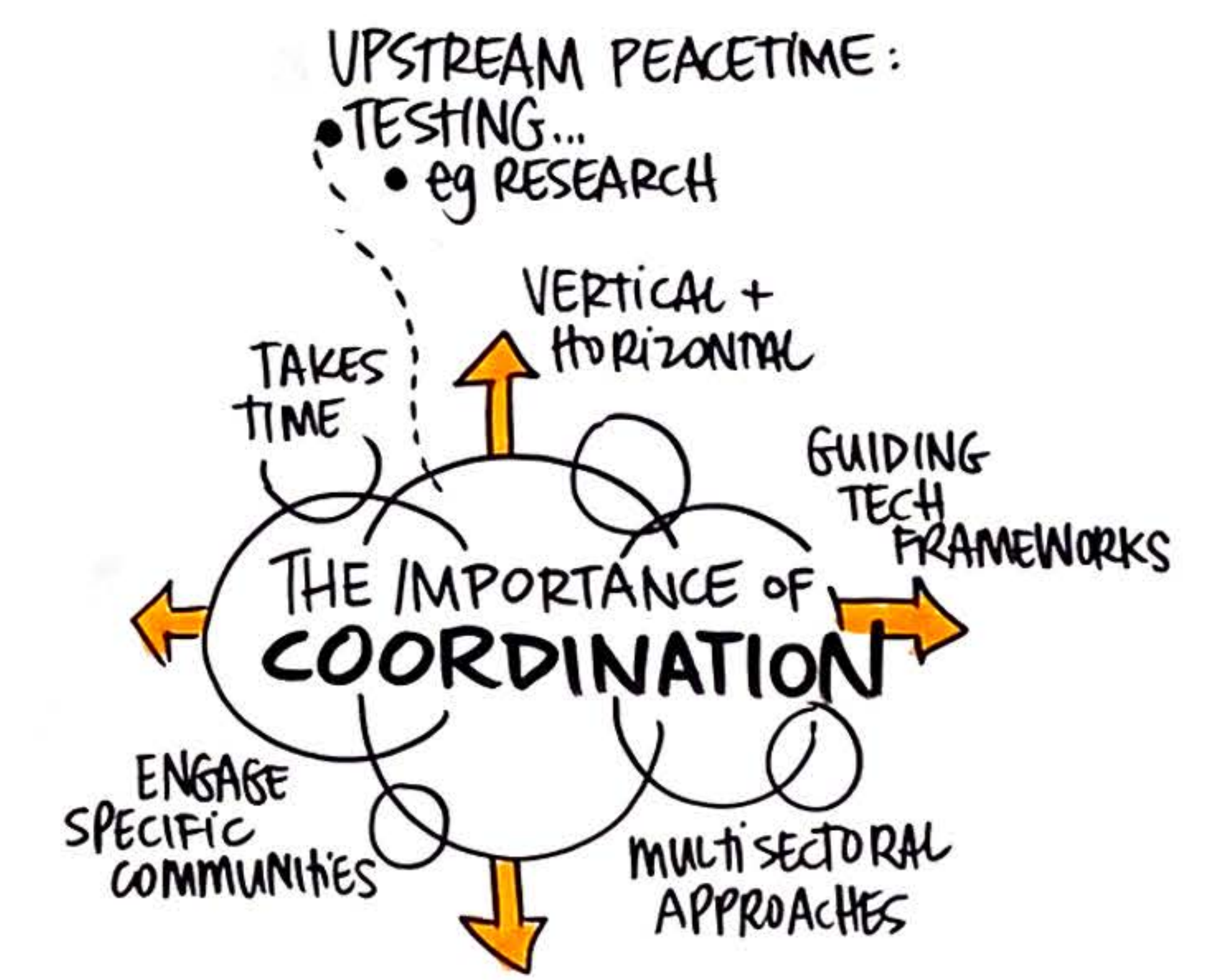
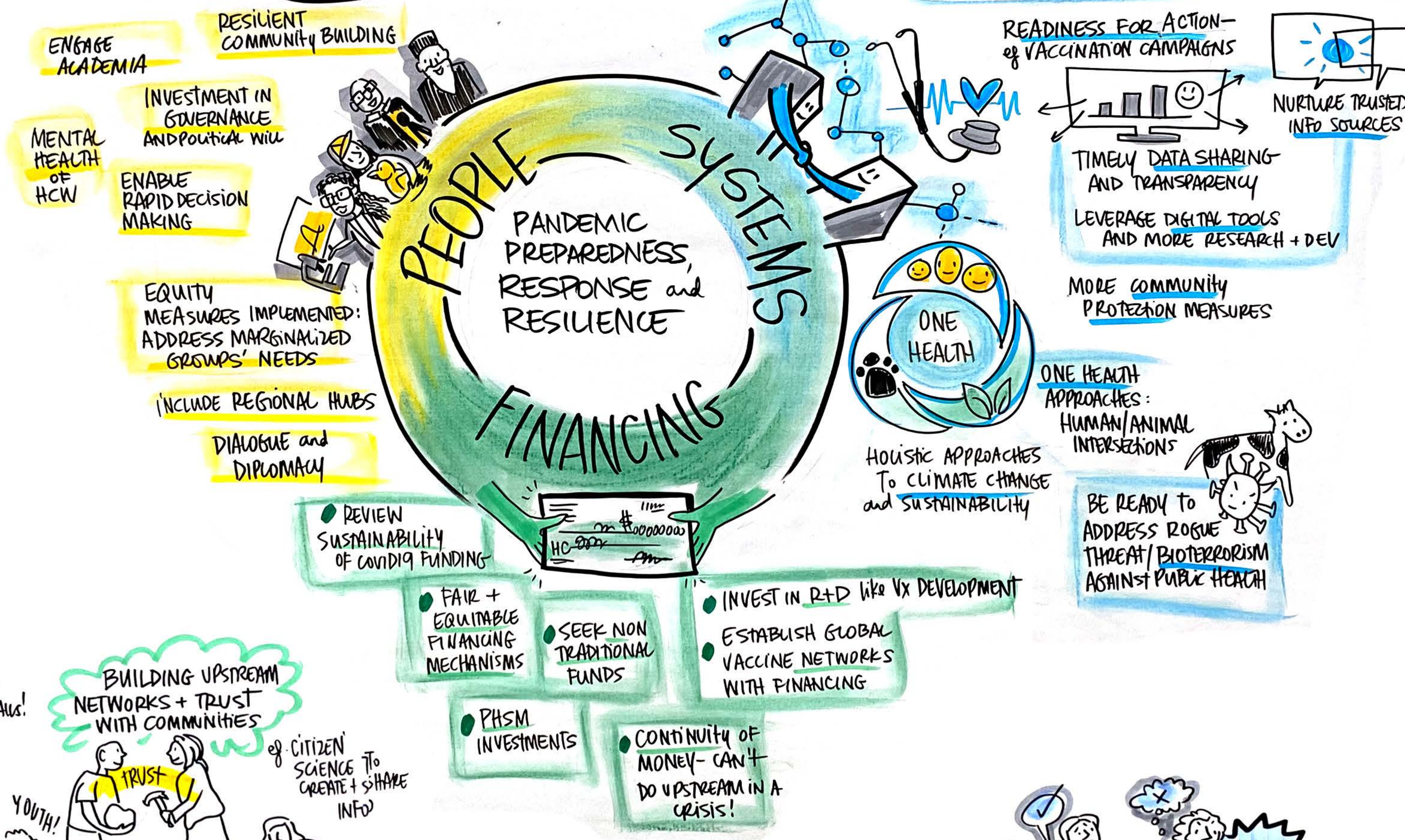
- INTERNATIONAL GROUP:
- KNOWLEDGE GAP AT FIRST; LOOK TO OTHER PATHOGEN EXPERTISE
 - MANUFACTURING + INEQUITY; ADDRESS THROUGH ACCORD
 - MISINFORMATION THREAT
 - CLIMATE CHANGE THREAT
 - GLOBAL INFORMATION SHARING ROLE IS KEY

- LOWER INCOME COUNTRIES
- LACK OF RESOURCES
 - VULNERABILITY TO BIOTERRORISM
 - NEED FOR TRAINING OF HC WORKERS
 - NURTURE TRUSTED INFO SOURCES

- MIDDLE INCOME COUNTRIES
- CONCERNS ABOUT TRUST; MISINFORMATION
 - HPC + TRAINED WORKFORCE
 - YOUNGER POPULATIONS
 - HC INFRASTRUCTURE CAN BE STRENGTHENED; NETWORKS
 - REGIONAL COOPERATION + EXPERTISE

- HIGH INCOME COUNTRIES
- CONCERNS ABOUT TRUST; MORE COOPERATION
 - NEED FOR R+D; DIGITAL TECH INVESTMENT
 - TECH: eg AI PROVIDING CARE
 - OPP. FOR PRIVATE SECTOR INVOLVEMENT
 - OLDER POPULATIONS (risk of morbidity)
 - WORKFORCE RELIANCE ON OTHER WORKERS FROM OTHER COUNTRIES

RECOMMENDATIONS:



PLANS: PREPARING for the NEXT RESPIRATORY PATHOGEN PANDEMIC

AN UNEXPECTED INFLUENTIAL TEXT FOR WARRIORS... THE ART OF WAR **PLANNING!**

"EVERYONE WANTS TO COORDINATE... NOBODY WANTS TO BE COORDINATED!"

COUNTRIES:

WORKING TOWARDS SUB-REGIONAL CDC-LIKE BODIES

Australia

HEALTH LITERACY + PARTNERSHIPS IN NEW AREAS

ALIGNMENT ON PLANS AS A FIRST STEP

INCLUDING ONE HEALTH

MOTIVATING FOR FUNDS IN CONSTRAINED ENVIRONMENT

FLEXIBILITY REQUIRED

REGIONAL APPROACH = SUCCESSFUL

✓ TRUST
✓ AGILE
✓ AGNOSTIC
✓ FLEXIBLE

NEW: COUNTRY PUBLIC HEALTH AGENCIES SINGAPORE

WHITE PAPER FROM SINGAPORE - "Don't let a crisis go to waste!"

CHALLENGES OF STRENGTHENING COORDINATION FOR INFECTION RESPONSE

EQUITY LENS

PRIORITIZING SCIENCE PRIORITIES WITH HEALTH - FOR FIRST TIME

ARGENTINA

VERTICAL AND HORIZONTAL APPROACHES

ONGOING PARTNERSHIPS + STRUCTURES TO SUPPORT THEM

ALIGNMENT

MULTI-SECTOR APPROACHES, eg:

EXAMPLE: AVIATION - ENGAGE WITH COUNTRY PLANS

WORKERS

PANDEMIC MADE VISIBLE VULNERABILITIES

- OH+S
- SICK PAY
- PRECARIETY

ENGAGE UNIONS/LABOUR IN PLANNING STAGE, NOT PANIC!

TRUSTED VOICES - organized religion, unions, etc

WHO AFRICA REGION

- MAJORITY LIC, MIC CONTEXT
- SCAFFOLD KEY DOCS FROM COUNTRY TO REGIONAL LENS = PLAN
- CONVENING ROLE

LOOKING AT SMALL CHUNKS FOR PANDING

EXAMPLE: FAO IN CORE ACTION

CLIMATE CHANGE IMPACTING OUTBREAKS

ONE HEALTH

PARTNERSHIPS

INCLUDING NON HEALTH

COMMUNITY PROTECTION

ADVOCACY

RESILIENCE

PLANNING



TRACKING PROGRESS:

MONITORING AND EVALUATION

- ✓ ASSESS PROGRESS
- ✓ IDENTIFY GAPS
- ✓ TARGET SUPPORT
- ✓ SUPPORT CONTINUOUS IMPROVEMENT

HELP US ALL
GET WHERE
WE NEED TO BE

HOW

CROSS CUTTING FOUNDATIONAL
CORE CAPACITIES
AND
RESPIRATORY SPECIFIC CAPACITIES
(existing data sources)

START WITH 5Cs

Work with existing data, where possible

PREEXISTING CAPACITIES
ARE STRONGEST AREAS
OF RESPONSE

- ★ LOOK AT FUNCTIONAL, ACTIVE CAPACITY
- ★ GLOBAL, REGIONAL + NATIONAL LEVEL

WE'RE NOT STARTING FROM
SCRATCH!

IHR 2005 M+E
FRAMEWORKS

WERE
HERE..

EMPHASIS ON
CARE DURING
PANDEMICS,
NOT ISOLATION

THE SHIFT TO
RISK ASSESSMENT
AT COUNTRY LEVEL
WAS HUGE

COMPLEMENT
EXISTING M+E
SYSTEMS

NOT MEANT TO
BE INTER-COUNTRY
COMPARISONS

HOW DO WE
ALSO WORK COLLABORATIVELY,
SO WE'RE NOT JUST
CREATING NEW INDICATORS?

★ INTERACTION
REVIEWS
BEFORE + AFTER,
INCLUDING
COLLABORATORS
FOR BEST PRACTICES

- LEARN FROM THE FIELD
- TAKE ADVANTAGE OF INTERPANDEMIC TIMES
- TRY SIMULATIONS

OPPORTUNITIES TO MONITOR A WHOLE OF SOCIETY APPROACH

5Cs

COLLABORATIVE
SURVEILLANCE

COMMUNITY
PROTECTION

EMERGENCY
COORDINATION

ACCESS TO
COUNTERMEASURES

CLINICAL
CARE

ROUTINE
MODELLING, EG:
FRAMEWORKS WITH
HIGH FREQUENCY DATA:
FROM HOSPITAL CODES
WITH TIME CODES, TO
DO REAL-TIME ANALYSIS +
PREDICTION

GET PAPER
RECORDS
INTO DIGITAL
FORMS

REAL TIME
RESEARCH
CAPABILITIES

EVERYDAY KPIs ON
SINGLE FUNCTIONS

DON'T AIM FOR PERFECT DATA:
AT SUBREGIONAL TRENDS

FOR EXAMPLE,
SHARING CLINICAL +
PUBLIC HEALTH DATA
TO SUPPORT
DECISION MAKING

GLOBAL SYSTEM
RE: MEDICAL OXYGEN
→ KPIs FOR O₂
PROCUREMENT, PLANTS, PATENT IMPACT

MODELLING &
ADVOCACY:

PANDEMICS LAST
LONGER THAN ANY
POLITICAL CYCLE -
USE MODELLING AS
A TOOL FOR CHANGE
Re: political will

RESPIRATORY
PATHOGEN PANDEMIC
PREPAREDNESS

IF YOU WANT TO GO
FAST, GO ALONE -
IF YOU WANT TO GO
FAR, GO TOGETHER!

MULTI-SECTORAL
APPROACHES!

COLLABORATION!
TRUST!

PRET

- NEXT STEPS -
- LET'S IMPLEMENT THIS!
 - CONTINUE ADVOCACY
 - AGREED CALL TO ACTION - SHARING IT
 - ACCESS TO THE PRET FUNDING: APPLY

STAY IN
TOUCH WITH
PRET!

OPPORTUNITY
TO INCLUDE
STORY +
QUALITATIVE
DATA

SIMULA-
TIONS
DATA

INNOVATION

CREATE INDICATORS FOR COMMUNITY
PROTECTION:
COMMUNITY ENGAGEMENT
AND BUILDING TRUST

EG RISK
ASSESSMENTS
THAT INCLUDE WORKERS IN
SPECIFIC SECTORS,
EG H1N1 +
POULTRY
PROTECT VULNERABLE
WORKERS

PLANNING,
ACTION +
REFLECTION

WHEN DESIGNING
M+E, HOW WILL
IT BE USED/PUT INTO
ACTION?

COMMITMENT TO ACTION

NEW CALL
to ACTION
FINALIZED!

GLOBAL ROADMAP FOR STRENGTHENING RESPIRATORY PATHOGEN PANDEMIC PREPAREDNESS

"WE'RE ALL IN THIS TOGETHER - AND WE'LL PREVENT THE NEXT PANDEMIC WITH THE PANDEMIC ACCORD"
- DR TEDROS



NOTES ON "ROADMAPS" + OTHER HELPFUL FRAMEWORKS:

- Look to possible regional pathogen maps
- Workplace health + safety causes this "standards" esp. at global level (ILO)
- UN COVID recovery

CAPACITY STRENGTHENING

MECHANISMS + TECHNICAL RESOURCES TO SUPPORT COUNTRIES IN MAINTAINING/ENHANCING TECHNICAL CAPACITY

- MAP OUT THE NETWORKS, PARTNERS AND ANALYZE FOR DUPLICATION EFFORTS (CROWDED!)
- UNDERSTAND COMMUNITY NEEDS TO INFORM PARTNERS' COORDINATION EFFORTS, SOLUTIONS
- BUILD FLEXIBLE, INTEROPERABLE WORKFORCE
- TRAINING FOR HEALTH PERSONNEL FOR EMERGENCY RESPONSE; STANDARDIZED
- STREAMLINE: INFORMATION SHARING OF RESOURCES + DATA, LESS BUREAUCRACY

SUCCESSES:

- ✓ SURGE CAPACITY WITH TRAINED, INTEROPERABLE WORKFORCE
- ✓ QUALITY, TECHNICAL TRAININGS
- ✓ ENGAGED COMMUNITIES
- ✓ STRONG GOVERNMENT ROLES → TRANSPARENCY → ACCOUNTABILITY

INVESTMENT CASE

ADVOCACY + FINANCING REQUIRED TO SUSTAIN INVESTMENTS IN PREPAREDNESS + MAINTAIN POLITICAL WILL

- UPDATE OUR STANDARDS OF WHAT'S "PREPARED"
- POLITICAL WILL: EDUCATE LEADERS THAT "NOTHING" HAPPENS
- OPPORTUNITIES FOR RAPID SCALE-UP
- TANGIBLE \$ROI ON INVESTMENT UNSURE - find out!
- LEARN FROM OTHER SECTORS' BUDGETS, e.g. MILITARY
- DE-FRAGMENT FUNDING FOR PANDEMIC PREPAREDNESS

SUCCESSES:

- ✓ PANDEMIC FUND WOULD BE 100% FULFILLED
- ✓ COST OUT INTERVENTIONS EFFECTIVELY
- ✓ MAINTAIN SYSTEM INVESTMENTS BEGUN DURING COVID
- ✓ OCCUPATIONAL HEALTH & SAFETY IS INSEPARABLE FROM PUBLIC HEALTH SYSTEMS

RESEARCH AGENDA

IDENTIFYING RESEARCH GAPS, PROTOCOLS, AND PRIORITIES (MULTI-HAZARD AND PATHOGEN SPECIFIC)

- KEY STAKEHOLDERS: BY SECTOR OR SCOPE
- OPPORTUNITY TO SHARE FINDINGS/PRE-PRINTS/DATA
- COORDINATION OF RESEARCH ON RESPONSES; INCREASED PUBLIC INTEREST IN SCIENCE = OPPORTUNITIES
- GAPS: ADAPTING RESEARCH AGENDAS TO RIGHT SCALE; CONSIDER JOINT EFFORTS; BROADEN SCOPE
- MAINTAIN EQUITY LENS (SUBJECT + WHO BENEFITS); ETHICAL RESEARCH VS EFFICIENCY TENSIONS
- RESEARCH AT SYSTEMS LEVEL

SUCCESSES:

- ✓ REGIONAL RESEARCH AGENDAS CREATED
- ✓ REDUCED COMPETITION FOR FUNDING FOR BASIC RESEARCH IN SAME REGION
- ✓ NEW PATHOGEN CLASSIFICATIONS
- ✓ UNIFIED RESEARCH PROTOCOLS TO ENABLE SHARED ANALYSIS

ON TRACK:

- ✓ M+E
- ✓ REGIONAL MEETINGS
- ✓ SHARED PLATFORM

MULTISECTORAL ENGAGEMENT

OPPORTUNITIES + MECHANISMS FOR ENGAGING OTHER SECTORS IN THE GLOBAL SPACE

- MAP OUT STAKEHOLDERS BASED ON ECs
- CRITICAL TO MULTI-SECTOR WORK IS COMMUNICATION; BETTER UNDERSTANDING OF MOTIVATIONS (e.g. BORDER CLOSURES)
- OPPORTUNITIES TO ACT - CONNECTING REGIONAL ORGANIZATIONS
- SOPHISTICATED KNOWLEDGE SHARING PLATFORMS

SUCCESSES:

- ✓ MAINTAINING ENGAGEMENT FOR PREVENTION/RESPONSE
- ✓ WORKING IN SOLIDARITY AND MAINTAINING TRUST

ON TRACK WITH:

- ✓ SUSTAINED FUNDING STREAMS
- ✓ PANDEMIC + CLIMATE CHANGE LINKED, SO TO INCREASE POLITICAL WILL + ACTION

A CROSS-SECTOR APPROACH CAN'T BE TAKEN FOR GRANTED: IT'S CRUCIAL!

FOUNDATIONAL ELEMENTS: MONITORING/EVALUATION, COORDINATION, COMMUNICATION

WOULD A COUNTRY ROAD MAP ALSO BE HELPFUL? AND SUBNATIONAL LEVEL

COMPLEMENTS IMPLEMENTATION AT THE NATIONAL LEVEL

APPROACH: ALL HAZARDS
HORIZONTAL: LOOK AT GLOBAL SYSTEMS LEVEL
VERTICAL: INTEGRATE WITH NATIONAL/SUBNATIONAL PLANS
STRENGTHEN SYSTEMS!