Strengthening Preparedness for Public Health Emergencies in the Passenger Air Transport Sector
Key Strategies from ASEF-ASAP project

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Background

• Asia-Europe Foundation (ASEF) Public Health Network
  ✓ Unique participatory platform to encourage public health dialogue in Asia and Europe
  ✓ Regional integration on public health
  ✓ Enhancing general public awareness on public health issues
  ✓ Multi-sectoral approach towards pandemic preparedness
    → ASEF-ASAP “Accurate Scenarios Active Preparedness”
**Single point forecast**

- Important decision
- 'transitional' mental model
- The things we didn't know or ignored
- The things we (think we) know
- Random 'contextual' factors
- Uncertainties
- Time delay
- Deviation

*Source: Prospex (www.prospex.com)*
Where to stretch?

* Source: Prospex (www.prospex.com)

being imprecisely **right** and …

Today, we have a choice between ...

* Being precisely **wrong**
What to aim?

The realm of possible futures
or foresight

Single point forecast

* Source: Prospex (www.prospex.com)
Project timelines & steps

2010
- Scenario-building
  - 3 future scenarios

2011-2012
- Strategy development
  - Human security
  - Passenger air transport
  - Food supply security

2013
- Strategy Refinement
- Risk communications
- Future-proof recommendations
Participants

- **Airlines**
  - Lufthansa
  - Air India
  - Air France

- **Civil Aviation Authorities**
  - ICAO Europe
  - Malaysia
  - Singapore

- **WHO**
  - WHO EURO
  - Thailand PoE
  - India

- **Ministry of Health**
  - Belgium
  - Hungary

- **Ministry of Transport**
  - Germany

- **Airports**
  - Brussels
  - Frankfurt
  - Hungary
  - India

- **Air traffic control**
  - Eurocontrol
ASEF-ASAP Scenarios
ASEF-ASAP Scenario Logic

Economic self-interest

Resources as commodities

Mosalnc.

Politically weak

Redistributed resources

Grey Paradise

Economic control by authorities

NOW

Politically global

Politically regional/national

Resources for own development

GloCal Blocs

Regional / collective economic interest
Options per scenarios

Grey Paradise

- Implement a strict command and control system
- Set up a committee that agrees on the pandemic preparedness plan > correct it > have it enter into force

Mosalnc.

- Great participation by private health organisations
- Private-paid certification agencies

GloCal Blocs

- Need for more effective border health screening – influx of migrants
- Minimise differences between dissimilar blocs
## Clusters of options

### Communication

- Exchange information/patterns between airports
- Set up a communication protocol
- Do not react but be proactive to get information of what roles others play for your business needs

### Surveillance and Response Mechanisms

- Establish centralised reporting system
- Single point-of-entry due to limited health care
- Central database on movement of passengers for contact tracing
Communication
Surveillance and Response Mechanisms

**Community Cluster**
- Immediate notification of any possible case
- Surveillance & research on zoonoses and AMR
- Maintain surveillance and response for communicable diseases

**Centralized reporting system to be established**
- Control database on movement of passengers for contact tracing
- Traced data exchange

**Airport A**
- To require control before travelling
- Authorities need to have new equipment for screening of passengers at Points of Entry
- Need for more effective border health screenings - influx of migrants

**Airport B**
- High risk approach for lifestyle (e.g., aging population)
- Single point of entry due to limited healthcare infrastructure (info to the public)

**Promotes multi-sector event-based public health surveillance**

**Grey Paradise**
- Global block
- Mosaic

**Mosul**

**Giza**
- Global block
- Mosaic
- Grey Paradise
- Moca
Surveillance and Response Mechanisms

Who
- Central body (+ local)
- Stakeholders
  - Airlines
  - Authorities
  - Health care providers
  - All other actors concerned

What
1. Collect data from various sources (WHO, CDC, ICAR/ICIE/Media/National/Stakeholders...)
   - Verification
   - Distribution
   - Whenever

2. Choose and execute Measures
   - Preventive
   - Containment
   - According to plan
   - War room
   - State in the plan
   - Different phases
     - Early detection of cases (possible suspect)
     - Contacts
     - Disinfection / Decontamination
     - Chemoprophylaxis
     - Vaccination, Isolation, Quarantine, treatment

When

How
- Phone
- Fax
- E-mail
- Social media
- ...
Challenges

• Vision > Strategy > **Tactics**
  → *What works? How to execute them given the existing resources, capabilities, structures?*

• Scenarios as tool to **test recommendations**
  → *How to ensure recommendations become future-proof?*

• Win-win **partnerships**
  → *How to maximise synergies between ASEF & partner organisations?*