ICT role in International and Regional Organizations in humanitarian operations

World health Organization

Many ICT tools and solutions

At country level

DHIS2 (District Health Information System 2)

- In Health Facilities
- Collect patient or outbreak data
- Offline & online
- Mobile
- Text messaging support

HeRAMS (Health Resources Availability Monitoring System)

- Monitor resources in health Facilities.

EIS (Event Information Site)

- International Health Regulations(legal framework)
- Country to Country Event reporting
- Contains contact list of IHR focal points for each country
- WHO facilitates the system and maintains it.

Upcoming PHEOC software

- In development : Software requirements ready

Regional office of the World Health Organization

EMS
- Monitoring of current events
- Monitors events that are not published in EIS
- Inhouse closed system

Vshoc
- Monitors response
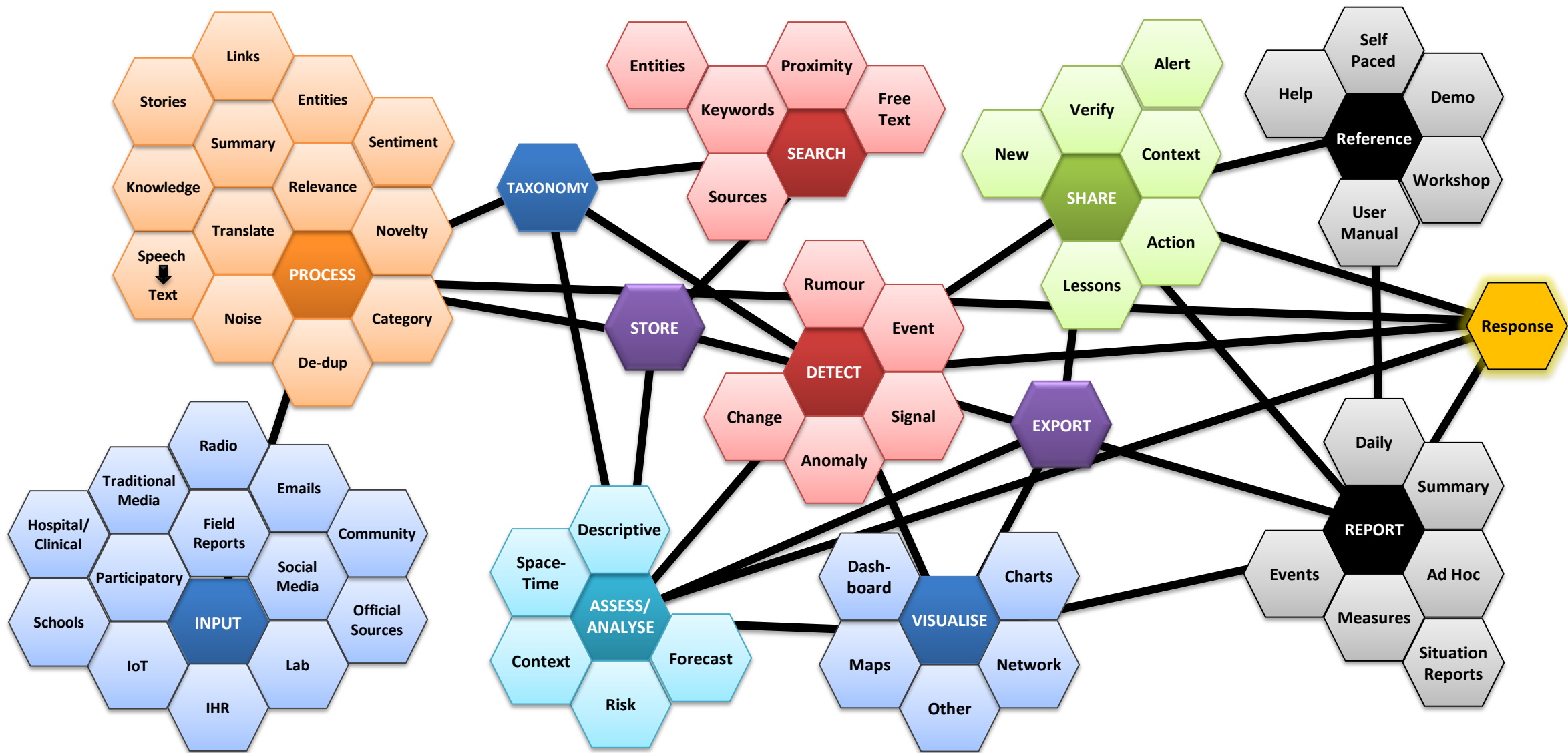- Track personnel deployment
- Inhouse closed system.

EMS
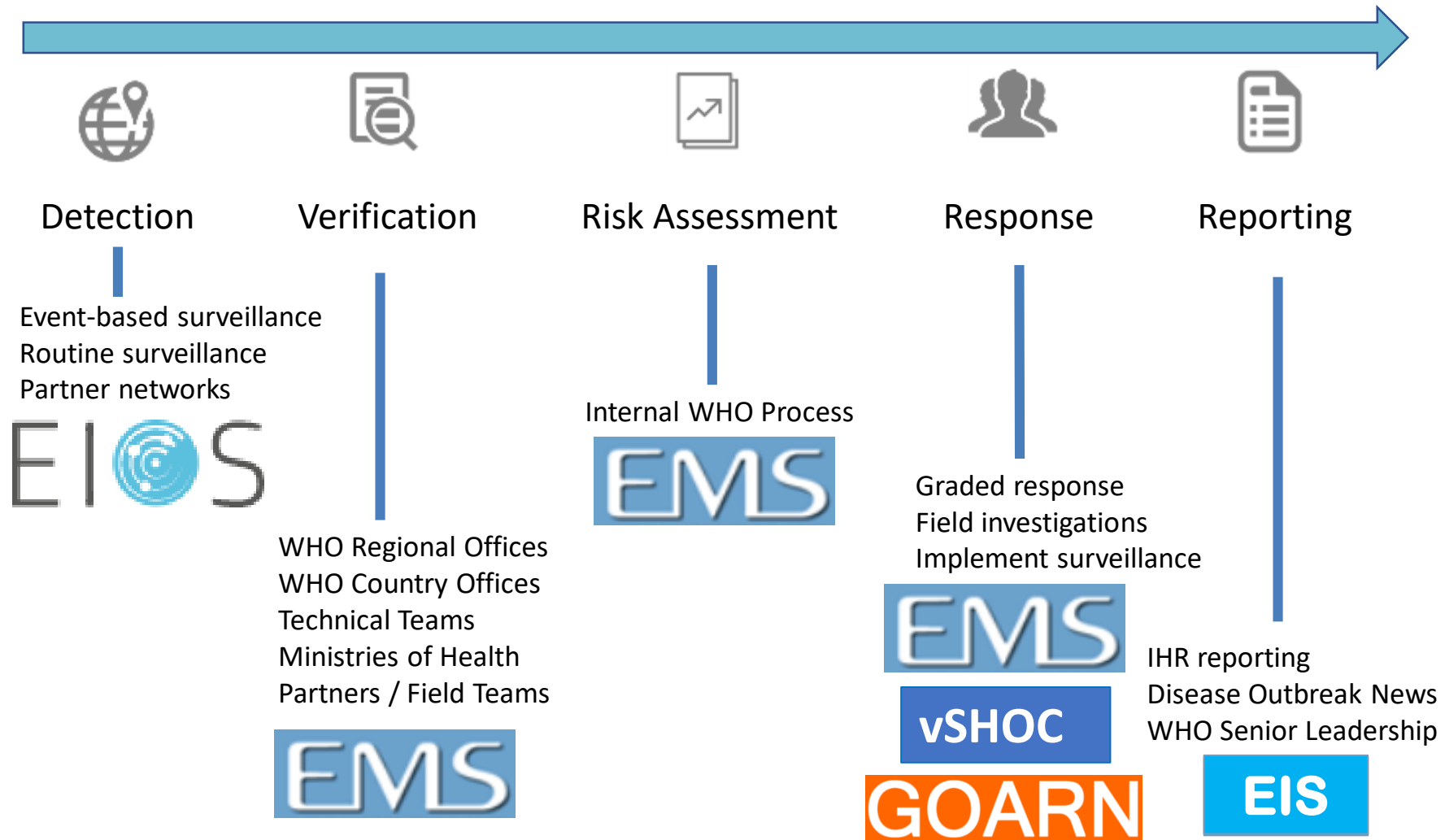- In development : Software requirements ready

EIOS : Epidemic Intelligence from Open Sources

The organized and systematic process for detecting, verifying, assessing, alerting, communicating and responding to health threats as early as possible using disparate sources of traditional and non-traditional information.

Health Emergency Information and Risk Assessment

Detection — Verification — Risk Assessment — Response — Reporting

Detection
Event-based surveillance
Routine surveillance
Partner networks

EIOS

Verification
WHO Regional Offices
WHO Country Offices
Technical Teams
Ministries of Health
Partners / Field Teams

EMS

Risk Assessment
Internal WHO Process

EMS

Response
Graded response
Field investigations
Implement surveillance

EMS
vSHOC
GOARN

Reporting
IHR reporting
Disease Outbreak News
WHO Senior Leadership

EIS

Surveillance system in Iraqi Camps

- Sharing the IP Address of WHO-Server with Telecommunication Company.
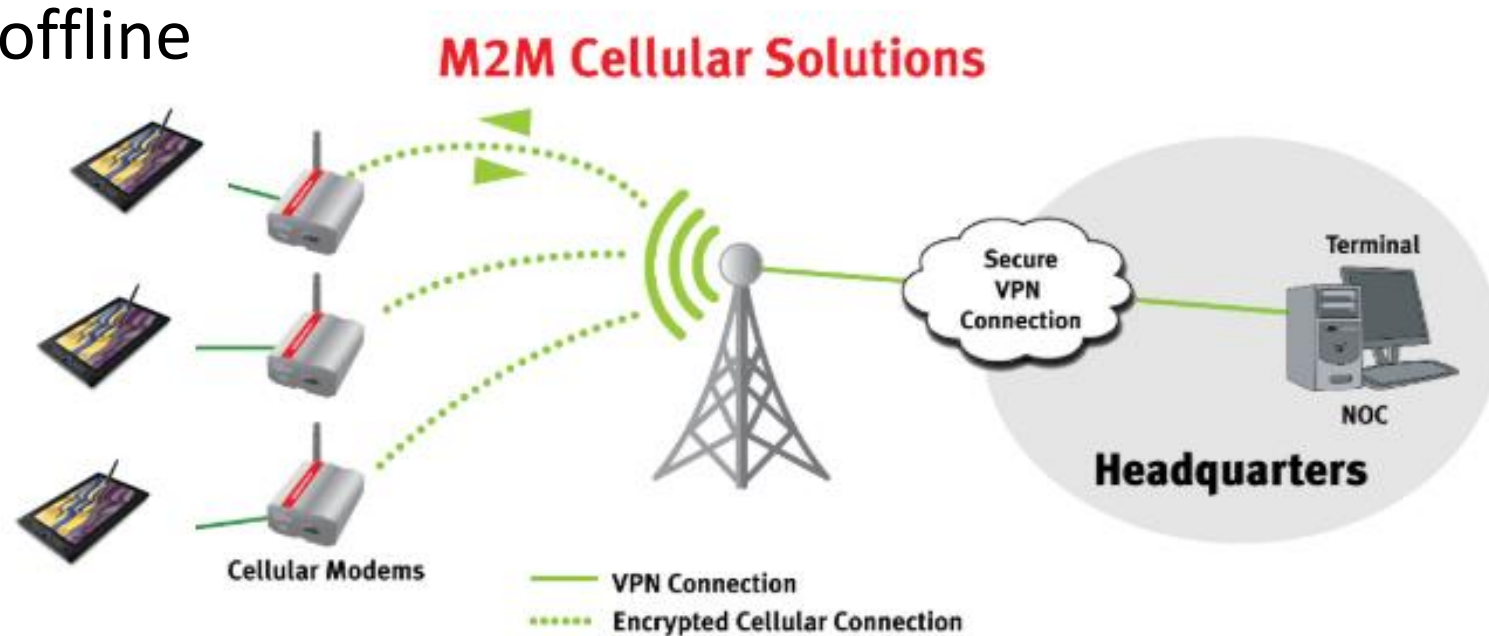- A high compressed and encrypted file is communicated (0,1) in kbits
- Online & offline

M2M Cellular Solutions

Cellular Modems

Secure VPN Connection

Terminal

NOC

Headquarters

— VPN Connection

······ Encrypted Cellular Connection

Image Reference: www.usr-emea.com

Thank you