

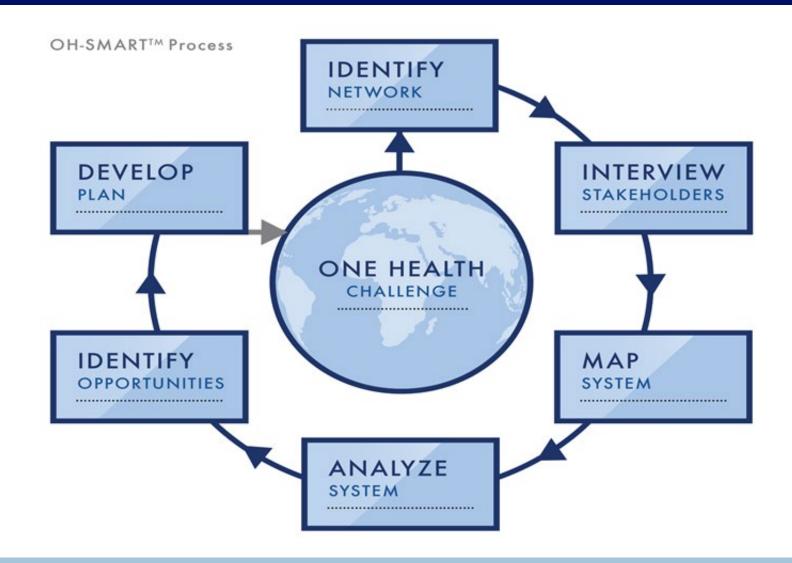
The One Health Systems Mapping and Analysis Resource Toolkit (OH-SMARTTM)

June 2021



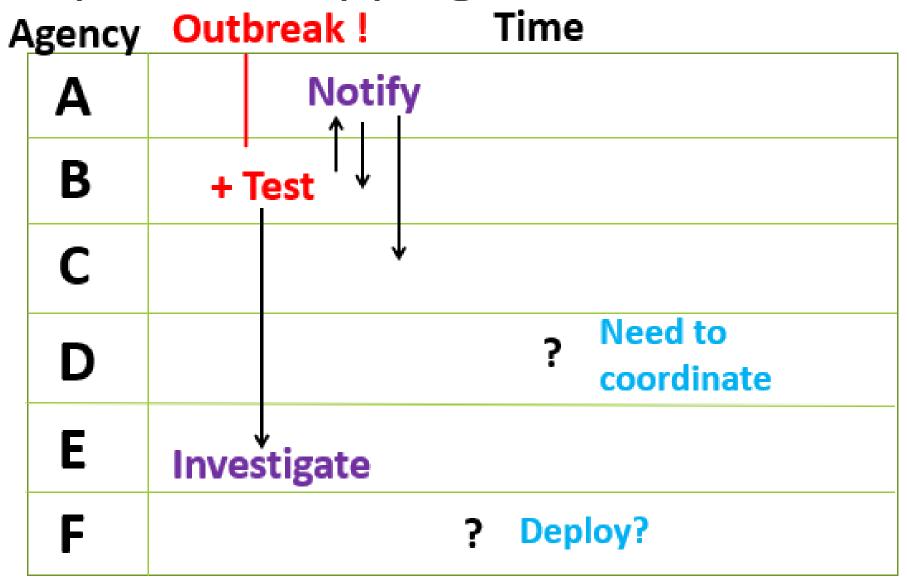
Tracey Dutcher DVM, MS, DACVPM USDA-APHIS Office of Science Tracey.V.Dutcher@usda.gov

Background





Systems Mapping at a Glance



Applied in 30 US states and 18 countries

Proactive:

- AMR National Action Planning (Govt-led with FAO) Cambodia, Laos
- One Health Implementation Planning (Govt-led with P&R, FAO) Ethiopia, Uzbekistan
- Zoonotic Disease planning (with USDA, CDC- ZDPT)- Pakistan, US
- Zoonotic Disease Workforce Planning (OHW: OHCEA-led, P&R, FAO) Rwanda, Uganda,
 Senegal, Cameroon, Tanzania, Ethiopia
- Petting zoo zoonotic disease risk (State gov't led, with USDA)-US
- Climate change- related emergency planning (with USDA, Arctic Council-led)- Circumpolar countries
- Select agent planning (Govt-led, with DTRA, USDA)- Turkey
- Rabies National Action Plan development (INDOHUN-led on own) Indonesia
- Operationalizing OH at provincial level (INDOHUN-led) Indonesia
- Climate change disease risk (USDA-led) US
- Food-borne illness rapid response planning (State Gov't led, with USDA)- US

Retroactive:

Al After Action Review (with USDA)- US

Just in time:

- Ebola response (State Govt-led on own), Texas, US
- Chronic Wasting Disease coordination and collaboration (State-led, with USDA) US



Value of Process Mapping

- It's all about the process
 - Value in <u>not</u> knowing every step or every player
- Viewing the system 'as is'
 - There is some level of existing cross-sectoral interaction both formal and informal
- Opportunity: Jointly build on the existing system
 - Mapping often leads to finding new stakeholders





Examples: Operational Applications

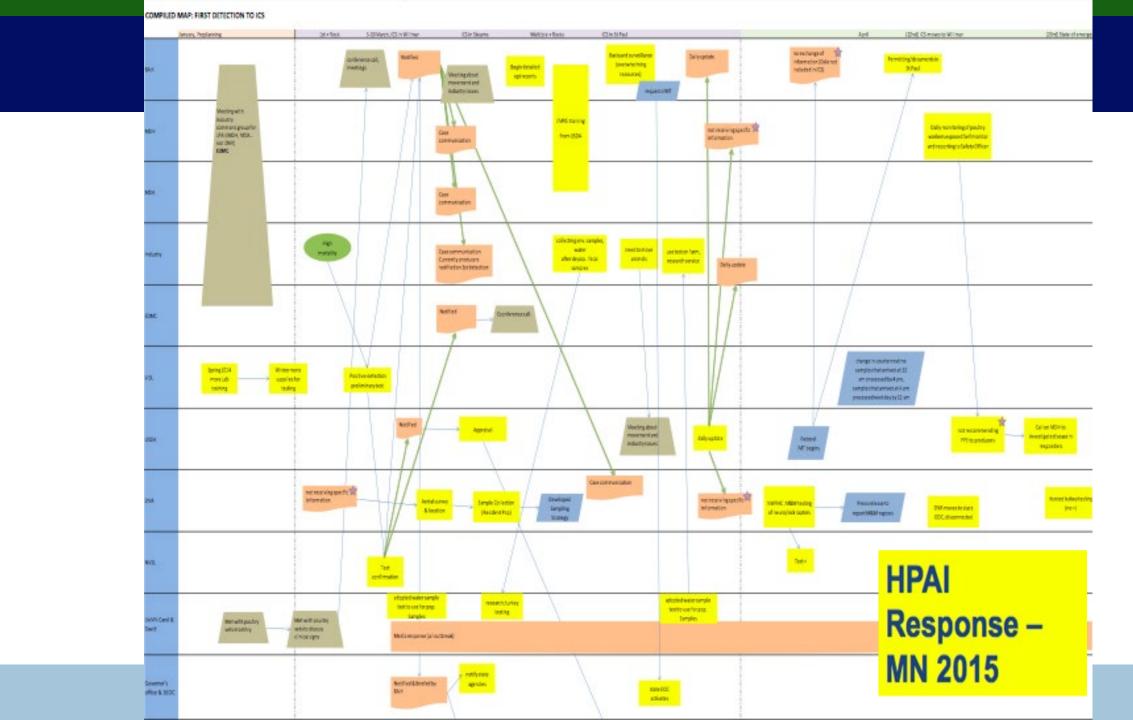
■MN HPAI Response (2015-2016)

 National Antimicrobial Resistance Action Planning (Lower Mekong)

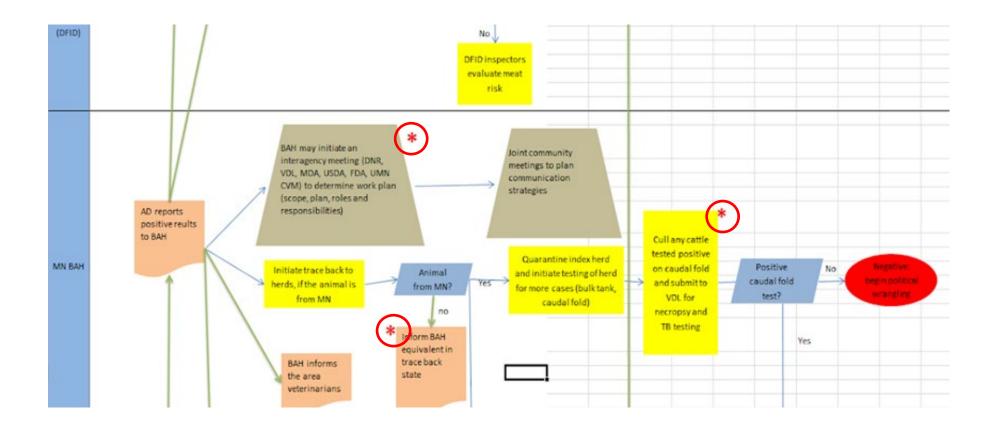














MN HPAI Outcomes -



- Policies and Practices notification & information sharing
- Operational Framework for Multisectoral response revised animal health emergency response positions to identify those open to various disciplines/experts
- Improved Coordination dedicated position for public health on animal health response team
- Improved information sharing portal with different levels of access to facilitate sharing information about infected premises, quarantine zones, and movement restrictions



Antimicrobial Resistance Planning: OH-SMART in Lower Mekong



UNIVERSITY
OF MINNESOTA
Driven to Discover

One Health Systems Mapping and Analysis Resource Toolkit









- OH Leadership and OH-SMART training Feb 2017
- OH-SMART workshop in each country
- Collaborating with FAO and WHO to support Antimicrobial
 Resistance (AMR) National Action
 Planning



Results

- Updated AMR National Action Plans and Road Maps.
- Themes and gaps identified for AMR systems
- Multi-sectoral agreement on gaps and resolutions and specific action steps identified to achieve resolutions.
- Action plans created



Why OH-SMARTTM?

- Visualizes the existing system
- Applicable and adaptable to any process
- **Platform** for positive interactive dialogue, creativity and innovation
- **Builds** shared leadership and vision across disciplines, sectors, cultures
- Moves One Health from theory to application









For more information:

Dr. Katey Pelican

University of Minnesota

Head, EcoHealth Division

pelicank@umn.edu

Phone: 612-625-8561

Dr. Tracey Dutcher

USDA-APHIS

tracey.v.dutcher@usda.gov

Phone: 970-217-2680

