

Vector Control as a Community Building Effort

Maryam Zölzer-Yazdani, Frankfurt, Germany

Vector-borne diseases...

... are infections transmitted by the bite of an infected arthropod species, such as a mosquito.

Malaria

Dengue

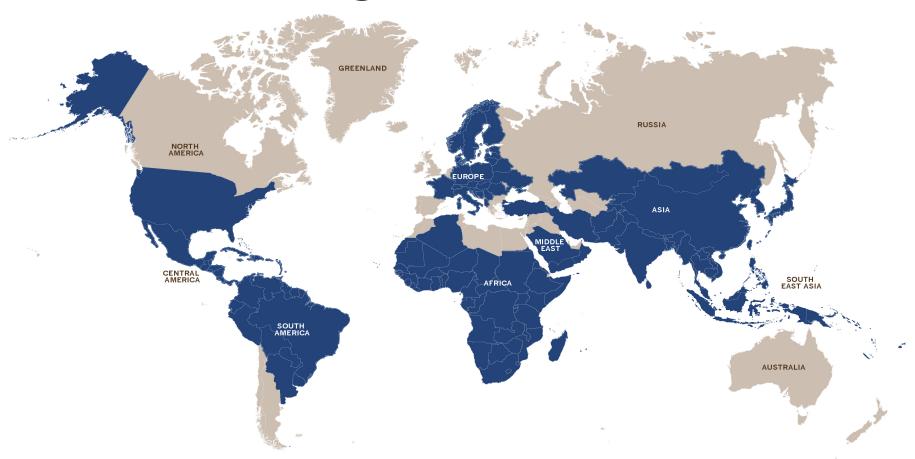
Zika

Chikungunya

Lyme Disease

Leishmaniasis

The global burden



- 17% of worldwide infectious diseases
- Morbidity: 1 billion/year
- Mortality: 1 million/year

Spread

- Environmental factors
- Agricultural practices
- Urbanization
- Travel

Vector control

Environmental

Biological

Chemical

Innovative



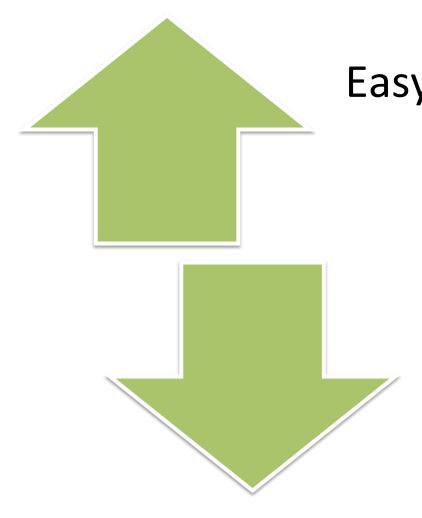


Implementation

Traditional:

Vertical: "Communication as a one-time one-

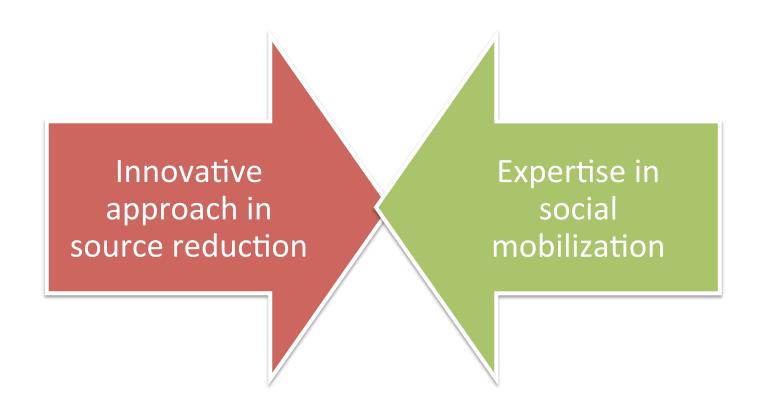
way act"

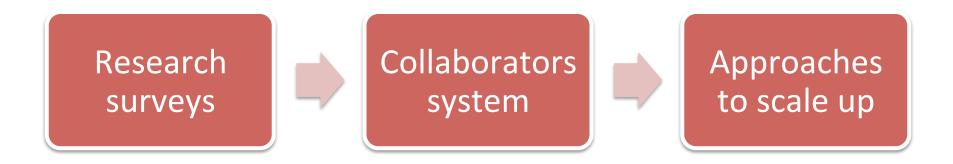


Easy to measure

Short-term
Inefficient
Limited access





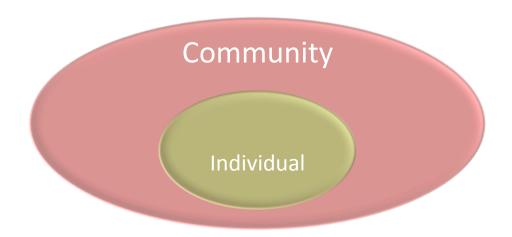


High success rate!

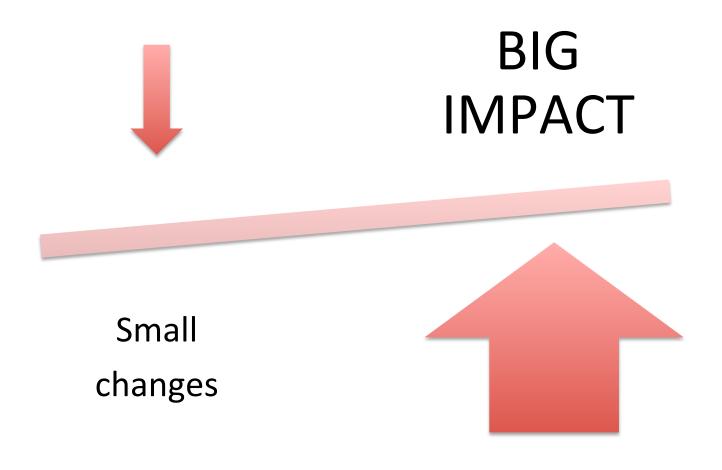
 Implementation will not work unless stakeholders accept them!

Empowerment of the individual

The imperative of health care is to empower individuals with the KNOWLEDGE, the INSIGHTS, the UNDERSTANDING, the WILL, and the BEHAVIOR to maintain their health and prevent diseases.



A critical mass



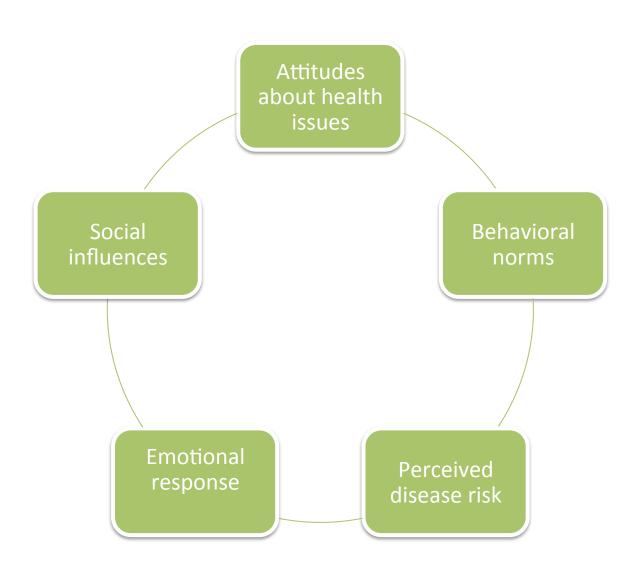
Behavior change communication

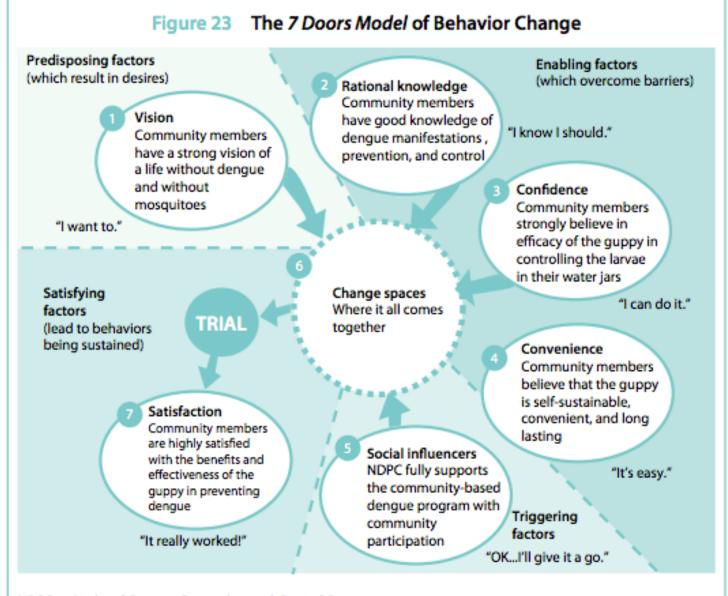


Behavior change communication

Knowledge is not the only determinant to behavior change!

Ideation as a predictive model





NDPC = National Dengue Prevention and Control Program.

Source: Carol Beaver adapted from Les Robinson, 7 Doors Model. http://www.media.socialchange.net.au/strategy/7 Doors Model.html

Approaches

Traditional:

Vertical: "Communication as a one-time one-

way act"

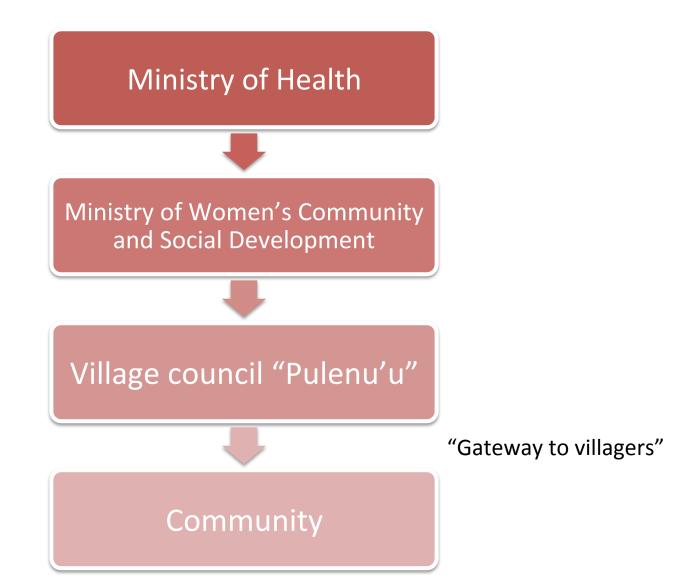
Moving on to:

Multi-level: "An iterative social process unfolding over time"

Samoa



Communication into the grassroots



Uganda



"How may the environmental conditions in our village be improved?"

"We cannot segregate the human heart from the environment outside us and say once one of these is reformed everything will be improved. Man is organic with the world. His inner life molds the environment and is itself deeply affected by it. The one acts upon the other and every abiding change in the life of man is the result of mutual reaction."

Bringing it all together

- Knowledge is <u>not the only</u> determinant of behavior change!
- Behavior change communication is an iterative approach that happens over time!
- Identifying key drivers of change!

How can pilot models of community participation and design be scaled up and applied to other environmental health challenges?



Thank you!