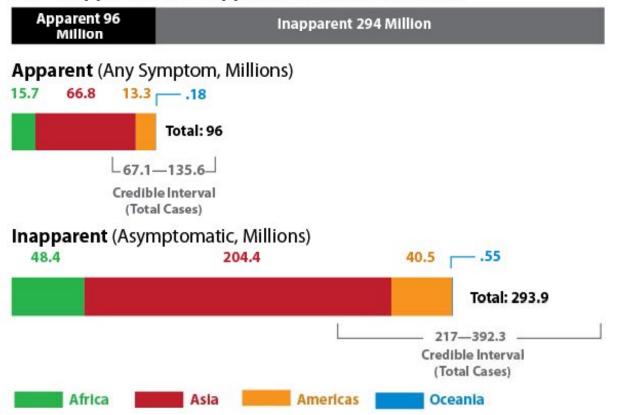




Estimated Burden of Dengue Globally





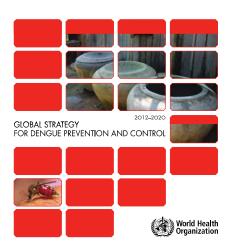
Bhatt et.al 2013

Global Dengue Control Strategy



GOAL: TO REDUCE THE BURDEN OF DENGUE





Element 5: Basic, Operational and IR



Clinical management

Point of care diagnostic test

Early outbreak response

Indicators for outbreak risk

Transmission dynamics

Development & evaluation of vaccine

Integrated vector control

Tool to prevent outbreaks

IR for scaling up local strategies



IR is a systematic approach that...

Identifies implementation bottlenecks

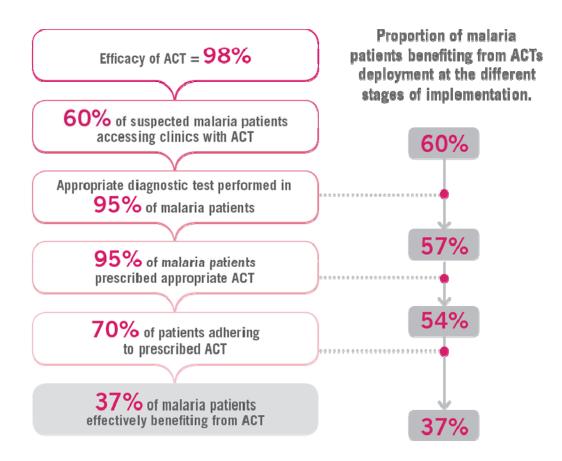


Identifies optimal approaches

Promotes Uptake of research findings

Implementation Research problems







Implementation research questions

- Dengue vaccine efficacy
- Access to vaccine (?)
- Provider adherence (?)
- Patient adherence (?)
- Vaccine effectiveness (?)

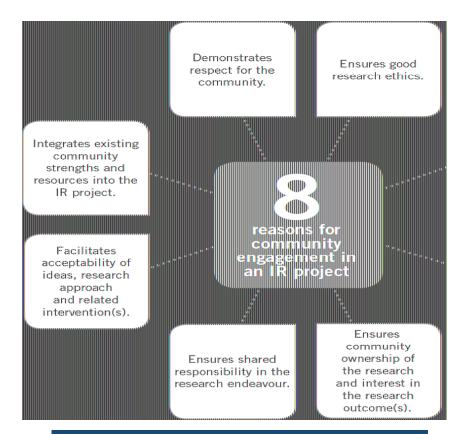


What are the bottlenecks and appropriate interventions required to maintain the efficacy?

??%

Implementation challenges in dengue control

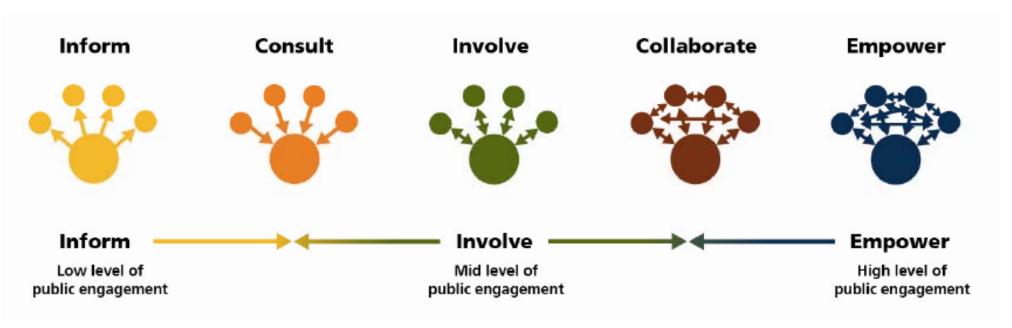
- Many dengue control strategies requires:
 - a strong community support and participation
 - Continuous and consistent intervention
- Sustainability is a big issues
- Appropriate community engagement strategy is critical



Why community engagement?

UNIVERSITAS GADJAH MADA

Level of community engagement and support



(IAP2 engagement spectrum)



Case 1: IR to Identify implementation bottleneck

- Lack of interest and commitment from local People's Committee,
- Lack of enthusiasm of mass organizations and community leaders,
- Work overload and lack of communication skills from health sector,
- Low awareness and readiness from community,
- Lack of detailed policy guidelines and low enforcement of related policy, and
- Limited budget

Barriers to engaging communities in dengue control program: An implementation research in an urban area in Hanoi city, Vietnam

Nguyen Tien Thang¹, Ari Probandari², Riris Andono Ahmad^{3,4}

Case 2: Developing engagement strategy universitas Gadjah Mada

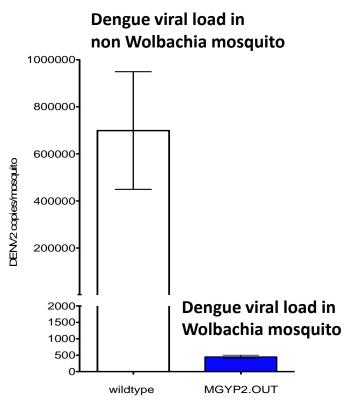


Introducing *Wolbachia* technology to control dengue in Indonesia

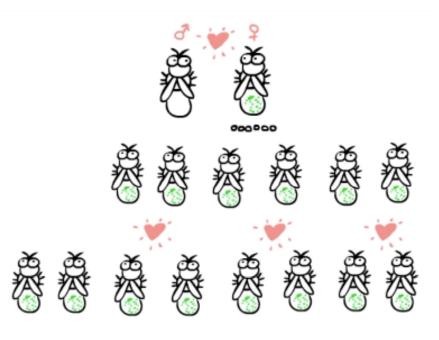




Wolbachia technology



Walker et al. (2011) Nature 476: 450-453

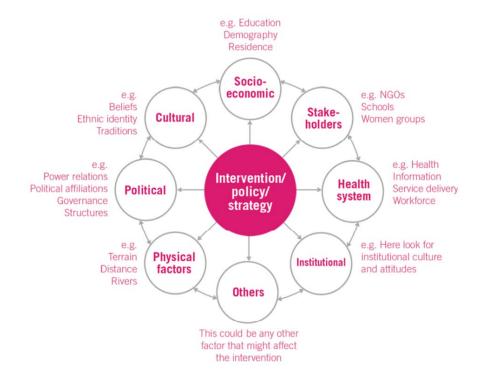






- New technology
- Counter intuitive application of technology
- Require a strong community acceptance and support





Contextual factors

Study site: Yogyakarta city



- An urban area
- 33 km² area
- Population > 400,000
- 125,000 households





Community resistance due to poor engagement





Community engagement strategies



Community mapping



Community reference groups



Face to face community meeting



Public campaign



Use of mass media and social media



Stakeholder inquiry system

Contextual factor of the community



- Paternalistic society
- Avoid open conflict to maintain harmony
- Conflict resolution is complex and often difficult
- Community leaders make decision on behalf community
- No clear cut community rules
- Consensus building rather than rule of majority

Yogya Special Region

Sociopolitical Structure

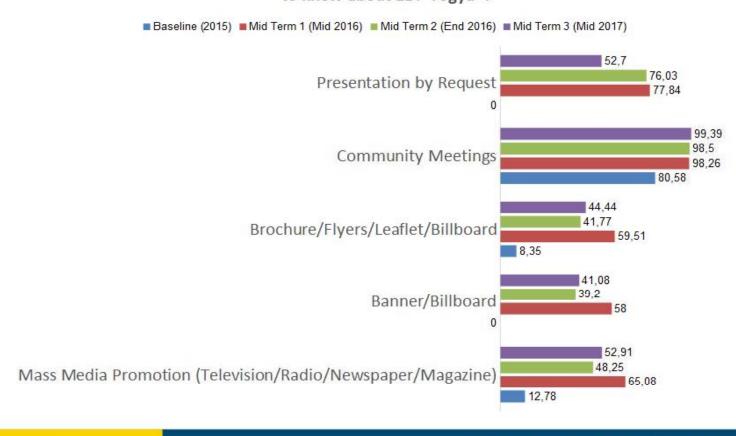


Engagement to develop equal relationship



Understanding communication preference universitas Gadjah Mada

Which communication methods do you prefer to use to know about EDP Yogya?





Community Reference Group

- Using community structure and mechanism
- Consult, communicate, and collaborate in decision making process
- 50 CRG





Pitpaganda

(Bicycle Movement Advertisement)

- Environment friendly
- Small streetfriendly
- Giving ED experience to community
- Since 2016, has conducted 86 rounds to community





Community outreach

Sekaten Cultural Event Kota, Nov 2017



ED Community Champions Involvement,
Nov 2017







EDP at Hari Kesehatan Nasional Carnival, Nov 2017



Palm Kids Kindergarten Children learn about Mozzy, Nov 2017





Woly in Merti Code River, Nov 2017 Commemorating Merapi Eruption



Sumpah Pemuda, Oct 2017 Fun Walk with Community

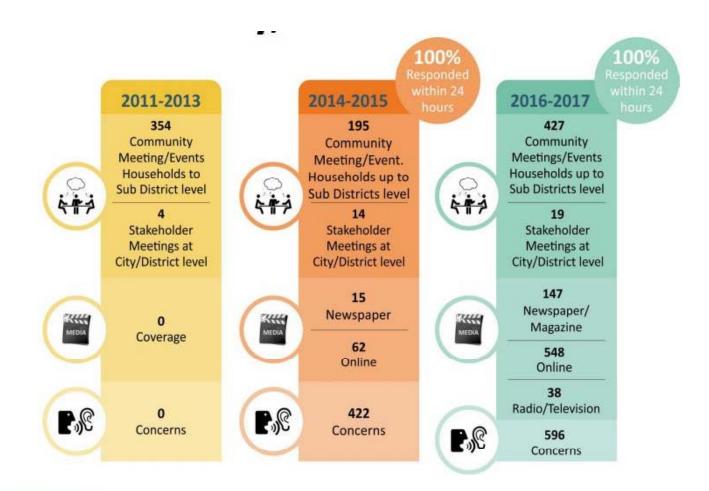
Stakeholder inquiry system





Intensity of engagement activities





Results



- All communities collectively gave approval of wolbachia deployment
- No resistance and opposition
- Strong ownership of the project
- Improve community pride
- Wolbachia as community "new identity"





ขอบคุณ

LOCALLY ROOTED, GLOBALLY RESPECTED