



Partnership To End Malaria

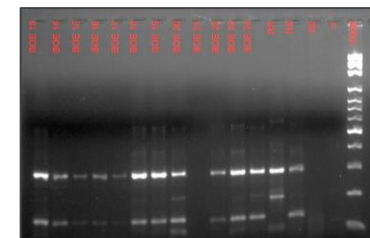
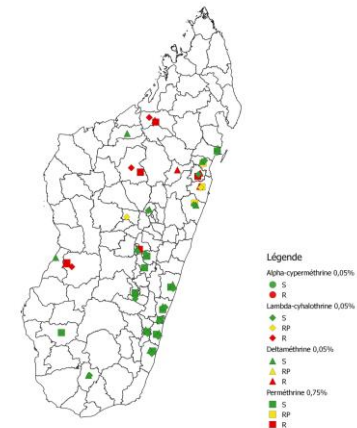
**SMOOTH DEPLOYMENT OF MORE
THAN ONE INSECTICIDE IN IRS,
EXPERIENCE FROM THE FIELD**

Jocelyn Ratovonjato
Madagascar NMCP



Reasons Deploying Two Long lasting IRS Insecticides (Actellic and SumiShield)

- 1. After DDT use in IRS for malaria vector, pyrethroid have been introduced in Madagascar since 2004 : malaria vectors become resistant to the product**
- 2. Geographical spread of the resistance of malaria vector to pyrethroids was detected**
- 3. Kdr mutations recently detected**



U.S. President's Malaria Initiative



Reasons Deploying Two Long lasting IRS Insecticides (Actellic and SumiShield)

□ WHO also recommends :

1. pyrethroid insecticides to be preserved for LLINs

2. preemptive rotation of more than one insecticides for IRS as a strategy for insecticide resistance management

□ Actellic 300 CS (pirimiphos-methyl) and Sumishield are the two long last molecules recommended for IRS and so far no resistance is recorded for these two insecticides



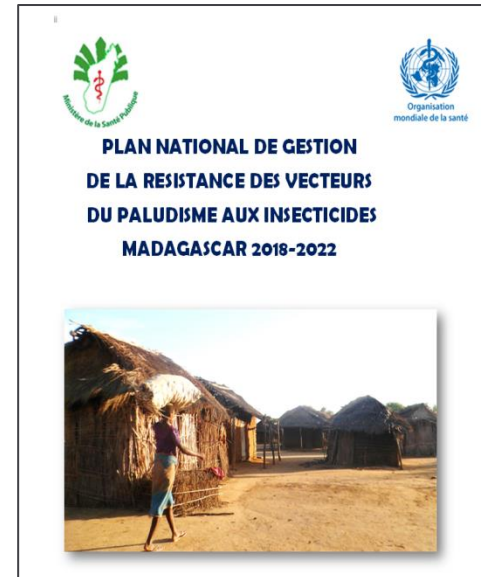


Reasons Deploying Two Long lasting IRS Insecticides (Actellic and SumiShield)

Malagasy government decision



Madagascar plan for insecticide resistance management



In order to manage vector resistance, the Ministry of Public Health recommended to change the insecticide in these two districts





Reasons Deploying Two Long lasting IRS Insecticides (Actellic and SumiShield)

Government of Madagascar in collaboration with PMI VectorLink project deploys in 2018 simultaneously and successfully as part of introducing rotation for resistance management

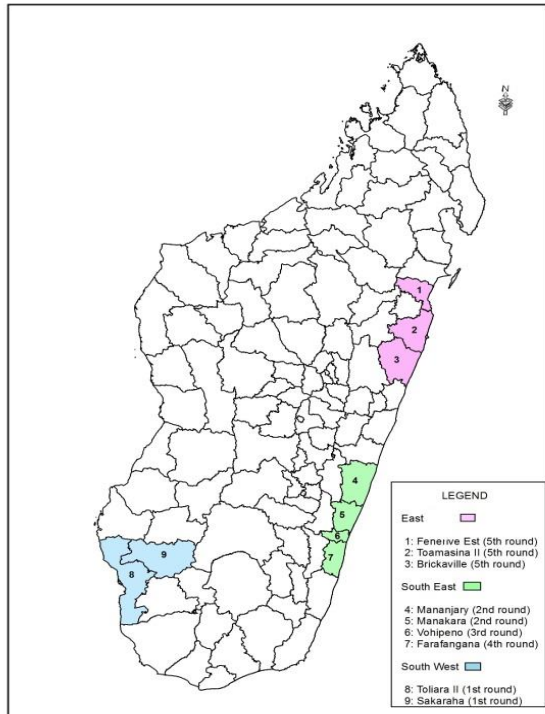


Actellic 300 CS used for IRS for 2 to 3 years in Madagascar





Districts of Madagascar receiving IRS In 2017 and 2018



**Actellic 300 CS
on 2017 and 2018 in Madagascar**



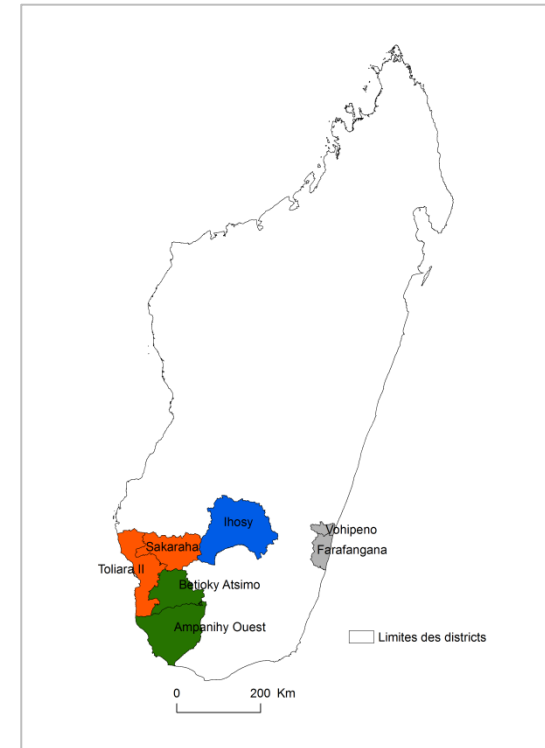
**Actellic 300 CS and Sumishield
on 2018 in Madagascar**



Joint plan for 2019 by the Malagasy government, Vectorlink and PMI

Mixed and simultaneous use of insecticides:

- ❑ **Actellic 300 CS in two new IRS districts (Ampanihy and Betioky),**
- ❑ **Sumishield in two old IRS districts (Sakaraha and Tuléar)**
- ❑ **Fludora Fusion in one new IRS district (Ihosy)**



U.S. President's Malaria Initiative



Partnership

To End Malaria

QUESTIONS ?

RBM Partnership to End Malaria
3rd floor, TCS Building, Chemin de Blandonnet 2, 1214 Vernier, Geneva,
Switzerland. Info@rollbackmalaria.com