

# ARTEMISININ CONFERENCE 2013

## ALIGNING ARTEMISININ AND ACT SUPPLIES

### Break Out Session 2

Semi-Synthetic Artemisinin; Natural Artemisia  
/ Artemisinin Technical Issues

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# Topics for Discussion

- Semi-synthetic introduction, pricing and regulation
- High-yielding Artemisia varieties
- Field Cultivation issues
- Extraction, Purification and Derivatisation issues



# Semi-synthetic Introduction, Pricing and Regulation (1)

## Volume projections:

- 35 T in 2013 but what enters the market depends on demand
- 60 T projected for 2014; does this supplement or substitute for natural production.?
- Does this volume go beyond the initial objective of price stabilization ?

## Price:

- Clear communication needed from Sanofi; US\$350 may send the wrong signal to the natural extractor community.
- At the same time Sanofi will not achieve this US\$350 price point unless it produces at the full capacity



# Semi-synthetic Introduction, Pricing and Regulation (2)

## Buffer stock:

- A buffer stock of SSA would solve the problem
- Needs to be managed and financed

## Commercialization oversight committee:

- Natural producers representation essential
- Strong message from this conference



# Semi-synthetic Introduction / Registration

Availability of semi synthetic in view of API manufacturer registration?

- Registration around 6 months but do not know how long it will take to complete the dossiers
- Sanofi : starting point of dossier
- API manufacturers also need to prove that the end result derivative is the same as that derived from natural artemisinin.
- Time to market for SSA still not known



# High Yielding Artemisia Annua Varieties

- Importance of field management practice
- Water availability a key factor
- CNAP variety trials in Kenya based on small holder rain-fed plots
- Large scale vs. smallholders (growing AA at very high density could affect choice of method). Very location specific
- % of wild leaves in China still important
- Max Planck needs samples of freshly harvested AA

