



Sampling Fusarium in banana

Principles & methods



24-03-2022

Gert HJ Kema

Wageningen University & research
Laboratory of Phytopathology

Importance

Social & Economic

- ~1000 Banana varieties
→ Cavendish
- Smallholder Farmers
 - up to 75% total income
 - 25% Daily calorie intake
- Global export ~12 billion USD per year (FAO 2020)
→ Cavendish
- Banana production is threatened by the banana disease: Fusarium wilt of banana



FWB – a repetition of history

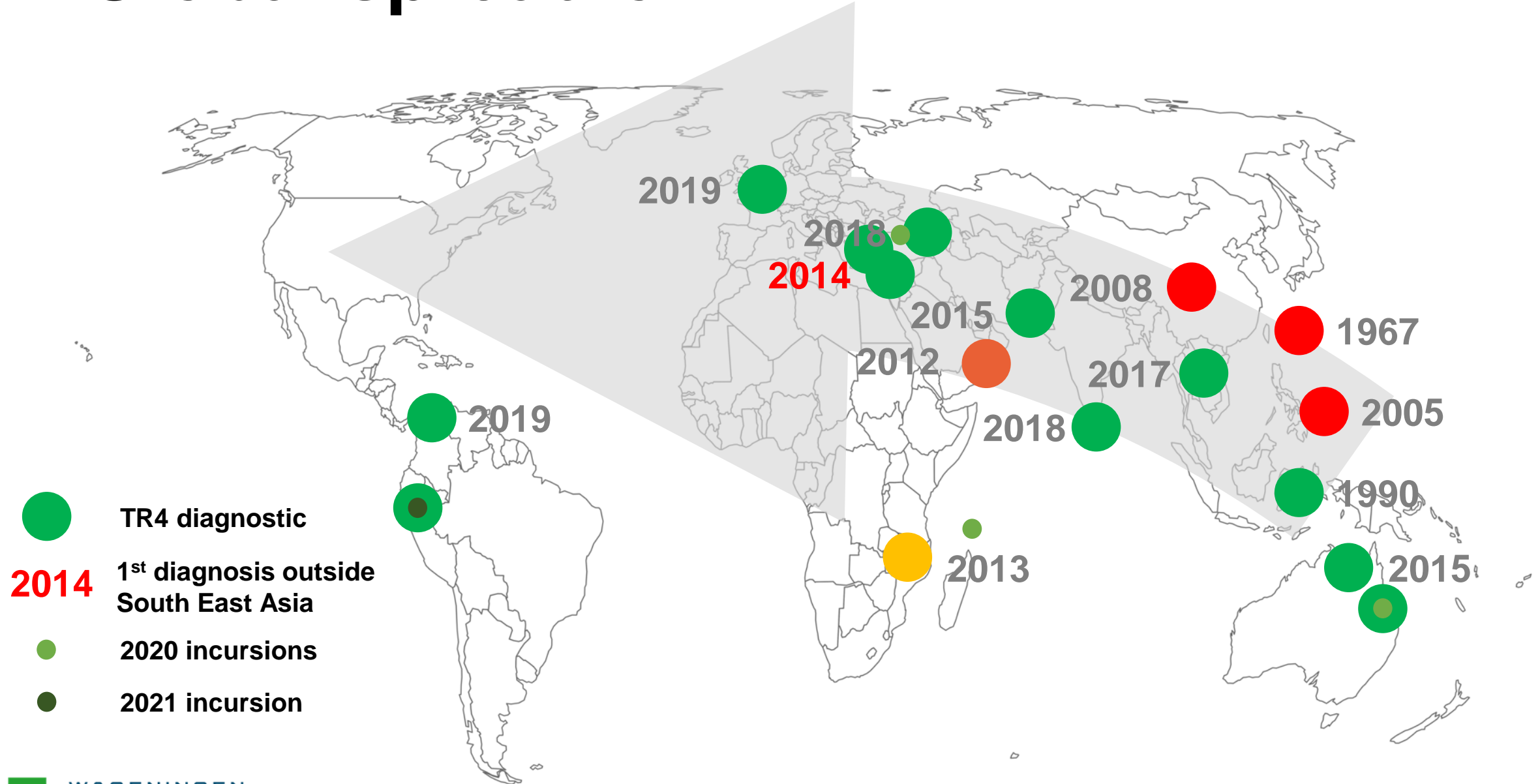


- Race 1 – Gros Michel
- Honduras, >1950s



- TR4 – Cavendish
- Mindanao, Philippines, >2012

Global spread of TR4



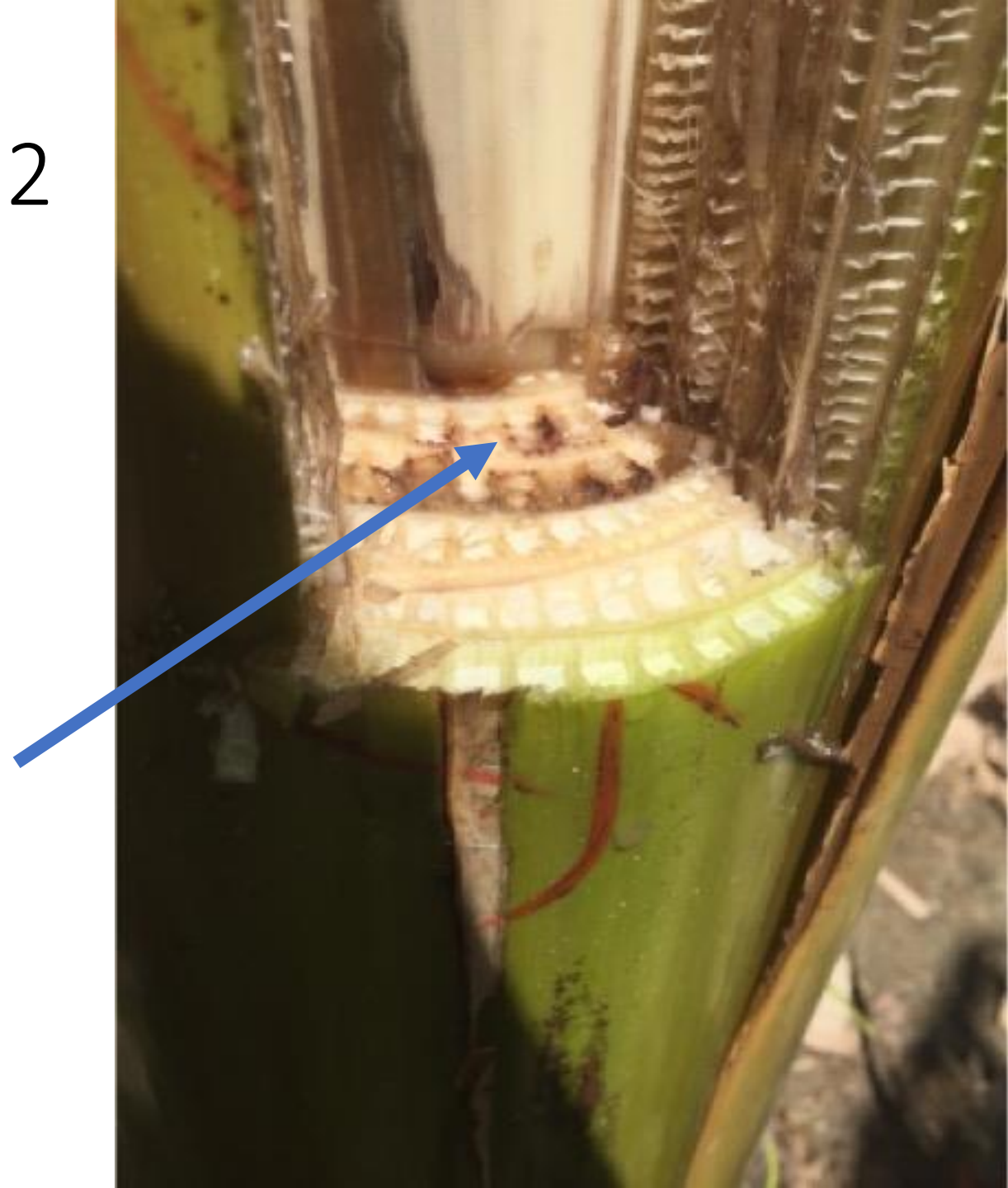
FWB affected plant



Collecting the samples - 1



Collecting the samples - 2



Collecting the samples - 3



Collecting the samples - 4

- Document
 - Cultivar
 - Sample type
 - Location (ideally GPS)
 - Date

