



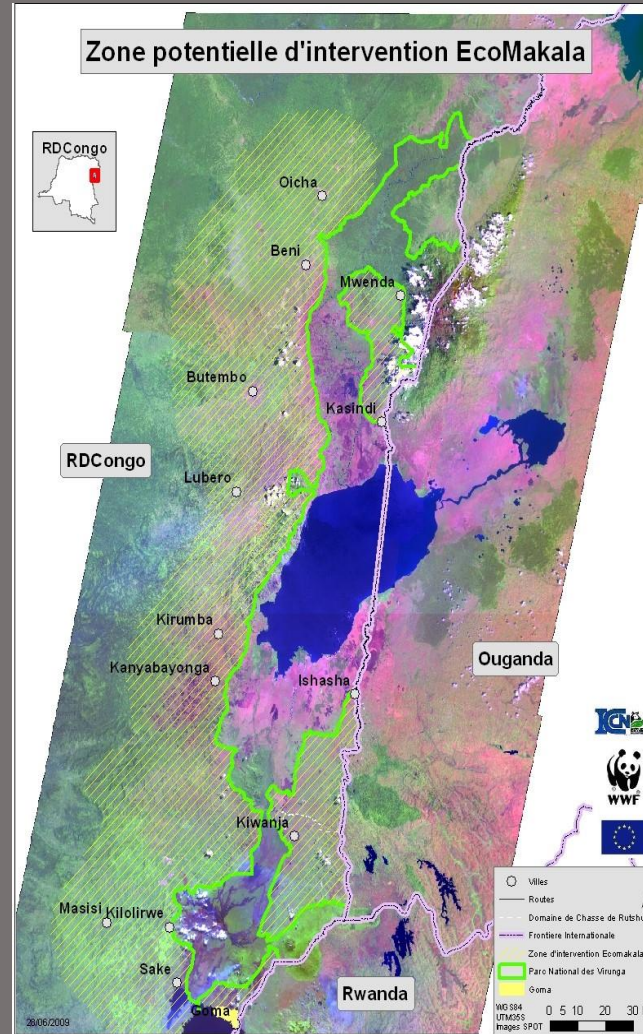
ECOMakala

Meeting energy needs, fighting poverty and protecting the forests of Virunga National Park, eastern Democratic Republic of Congo

Isabelle Vertriest & Mone Van Geit, WWF Belgium, Board Meeting 20 March 2018, Brussels



Localization



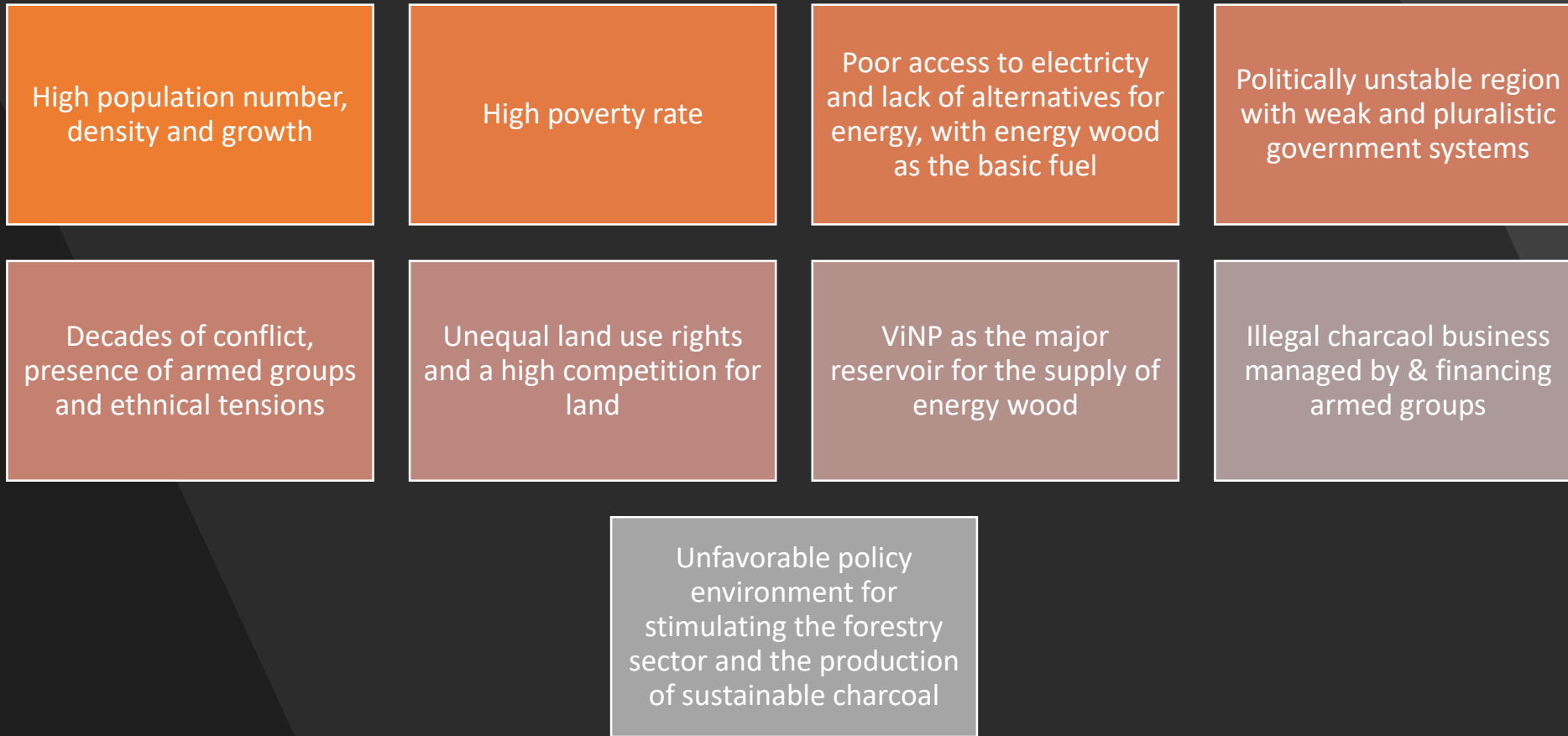


- Forest degradation mainly due to charcoal production
- Deforestation due to encroachment
- Poaching
- Oil concessions

Threats Virunga NP

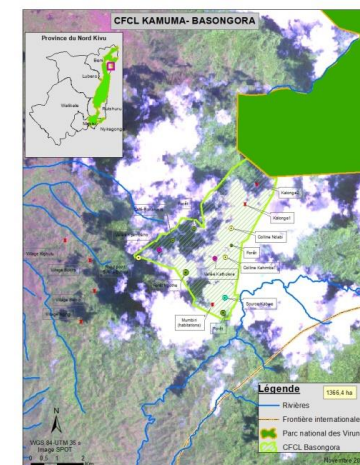


Contextual and underlying causes of the threat linked to charcoal production





ECOmakala: an integrated program



Belgium
partner in development



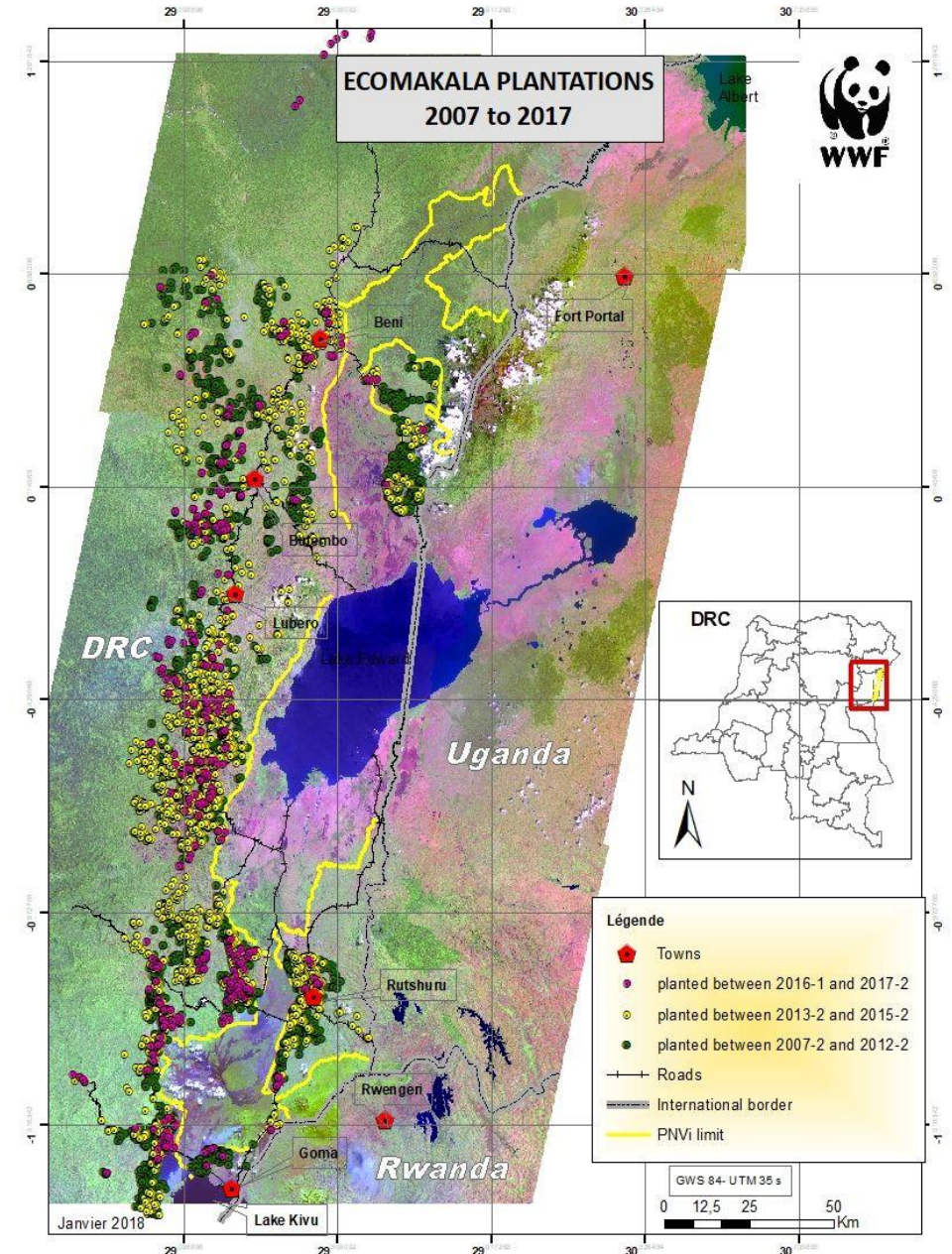
Some results & figures

Since 2008:

- Approx. **11.000ha** of tree plantations
- Approx. **70.000 efficient wood stoves** were sold (of which approx. 40.000 in Goma (today approx. 140.000 households living in Goma))
- Creation of **GomaStove LLC**

Objectives by 2021 (DGD):

- **12.000ha**
- Approx. **80.000 stoves**



Some results & figures

Since 2015:

- Approx. 1600 tonnes of charcoal produced (of which 1100t in 2017)

Objective by 2021 (DGD):

- 21.600t of « écomakala » or 4.000t/y

Actual annual demand of Goma city:

100.000t of charcoal

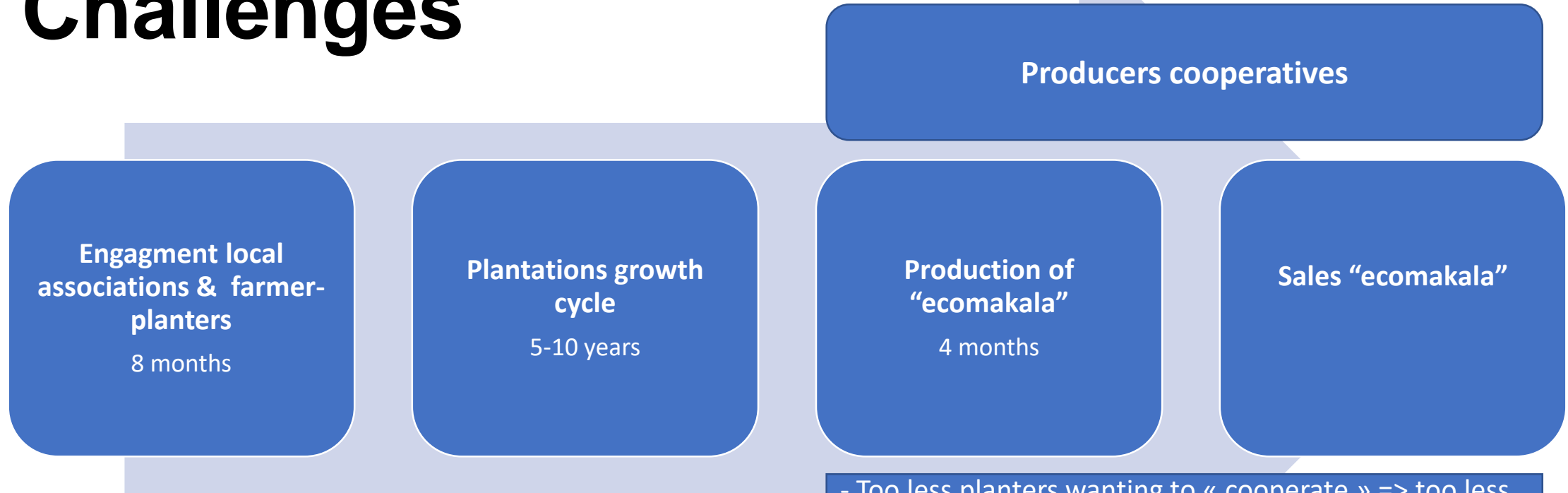


What about impact?

- **Decrease of the quantity of charcoal coming from ViNP penetrating the market in Goma (2008: 80% > 2015: 56%)**
- **2016: 86% of Goma households use an improved stove**
- **By 2020, 15-20% of the demand for charcoal by the city of Goma could be covered by ECOmakala (charcoal & improved stoves combined)**
- **Need for alternatives for charcoal**
- **Huge scaling-up potential for improved stoves in North-Kivu (approx. 6M inhab)**



Challenges



- Too less planters wanting to « cooperate » => too less ecomakala production => need to increase & accelerate production
- Unfair competition with the makala coming from ViNP

- Lack of working capital & sufficient know-how by the cooperatives
- ⇒ Need of financial as well as technical capacity

Perspectives

- **Environmental & socio-economic impact assessment**
- **Green Economy Program**
- **Energy analysis North-Kivu**