



# Molecular identification of Malagasy *Dalbergia* species (rosewoods)

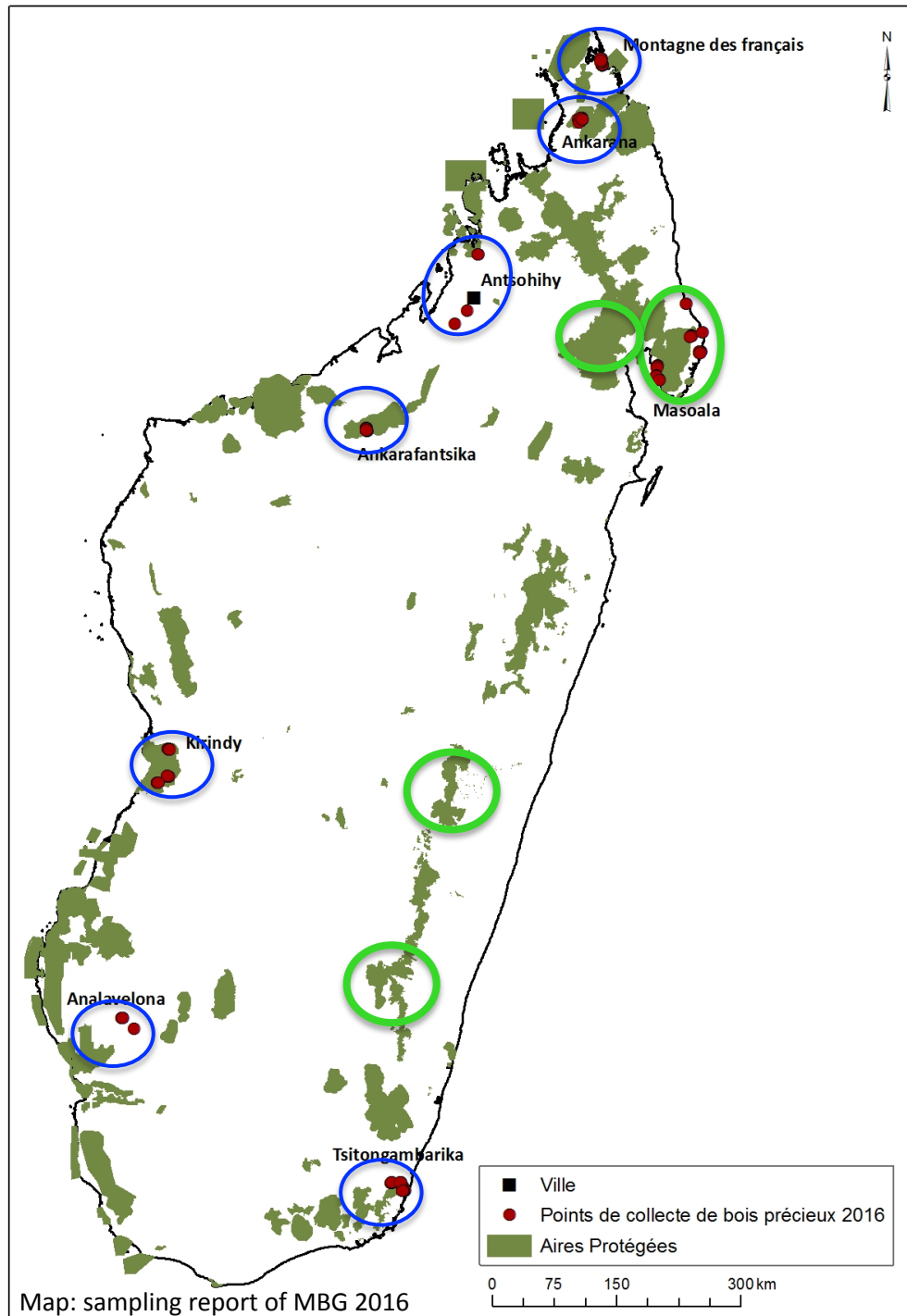
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-  Sampling 2016
-  Sampling 2011, 2013



Species in  
Madagascar: 48

Species  
collected: ca. 28

individual    population    subspecies    **species**    species group    genus    family



Approach	Development	Application	Costs	Versatility	Analysis
Barcoding	+	+	+	+	+
	(easy)	(easy)	(low)	(limited)	(easy)
SSRs	++	++	++	++	++
UCEs	+++	+++	+++	+++	+++
	(demanding)	(demanding)	(high)	(broad)	(demanding)
SNPs	+++	+	+	+++	+

# Lessons learnt

- DNA-based identification of *Dalbergia* is possible
- Reference database is key
  - must be based on vouchered and reliably identified samples
  - stored in well-curated herbaria
  - Standardized sampling protocol for comparisons of different techniques
- Next steps:
  - improve DNA isolation from wood
  - apply DNA analysis to (confiscated) logs



# Thanks for your attention!

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