

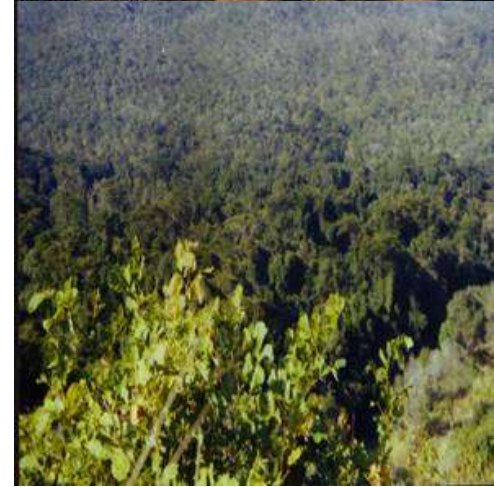


Forest Carbon Partnership Facility

Madagascar Early Idea Humid Forest Eco-region Emissions Reduction Program

June 17, 2014

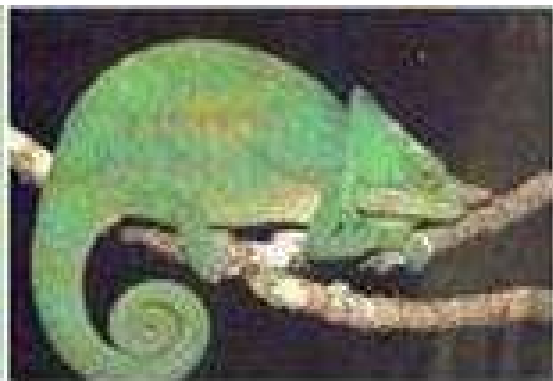
Bonn – 10th Carbon Fund Meeting



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Country Characteristics (1)

- Global biodiversity hotspot with high level of endemic species in forests and wetlands:
 - 25 endemic families
 - 209 plant genera; 6 families
 - 34 bird genera; 5 families
 - 15 mammal genera; 5 families
- 0.4% of global surface but 13% of global biological diversity



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Country Characteristics (2)

- High poverty level:
176 of 184 in 2013
- 9.2 millions hectares of natural forest (15.8% of national territory)
- High deforestation rate:
0.8% – 0.5% – 0.4% - ?
(1990 – 2000 – 2005 – 2010 - 2013)
- High dependency on forest goods and services: energy, food, non-timber forest products etc.



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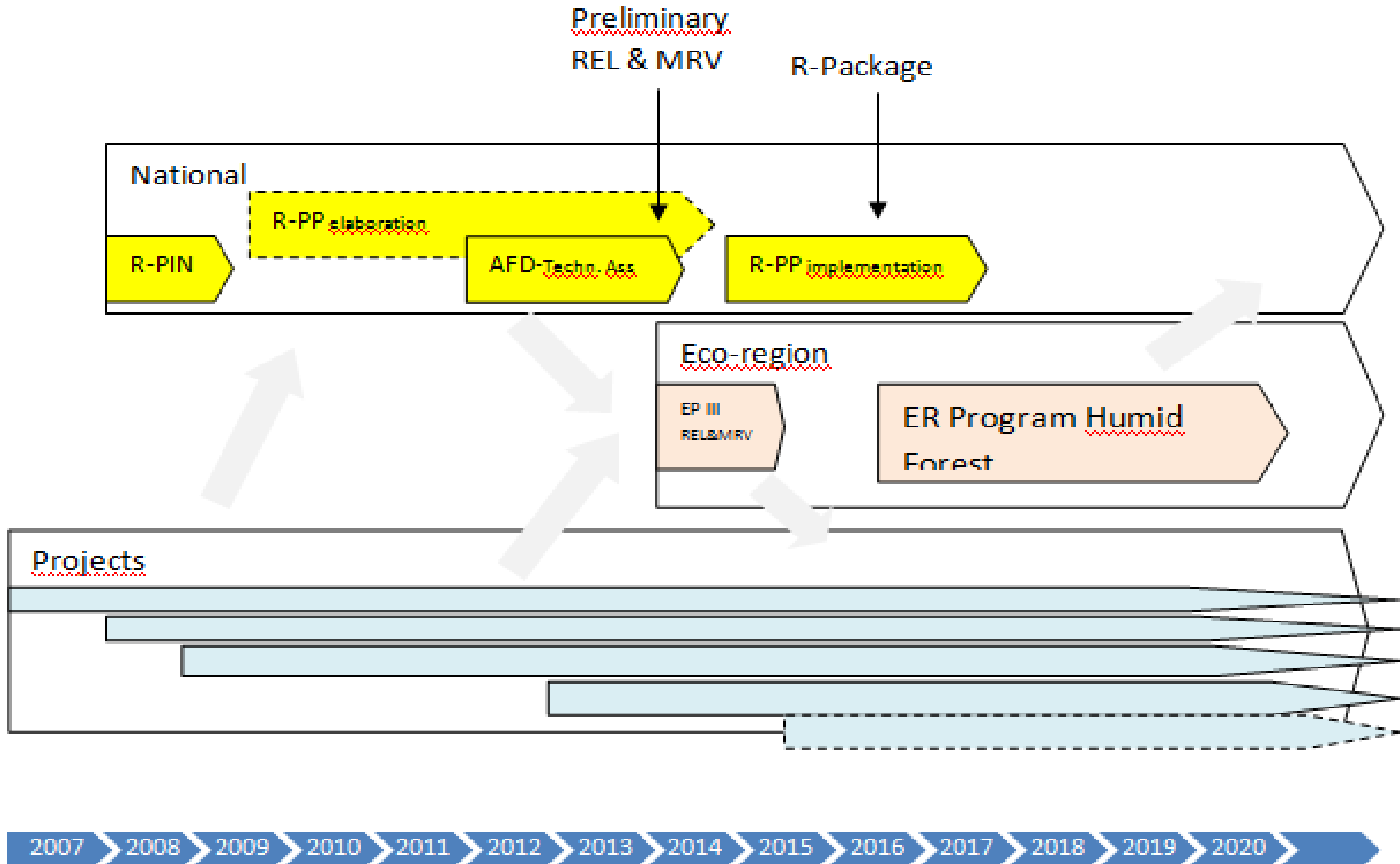
ER Program Context

- R-PIN approved in 2008
- R-PP submission delayed because of political crisis (submitted for PC17, July 2014)
- Substantial progress towards REDD+ readiness
- REDD+ efforts concentrated in humid forest eco-region
- Medium deforestation
- High forest carbon stocks
- Eco-regional REDD initiative (PERR-FH) launched in 2014

Les régions concernées par le PERR-FH



Madagascar Early Idea Timeline



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Synergies with National Programs

- National environmental action plan (PNAE)
- National, regional and communal land use planning (PNAT, SRAT, SAC)
- National tenure program (PNF)
- National program for rural development (PNDR)
- National program on agriculture, animal husbandry and fisheries (PNAEP)



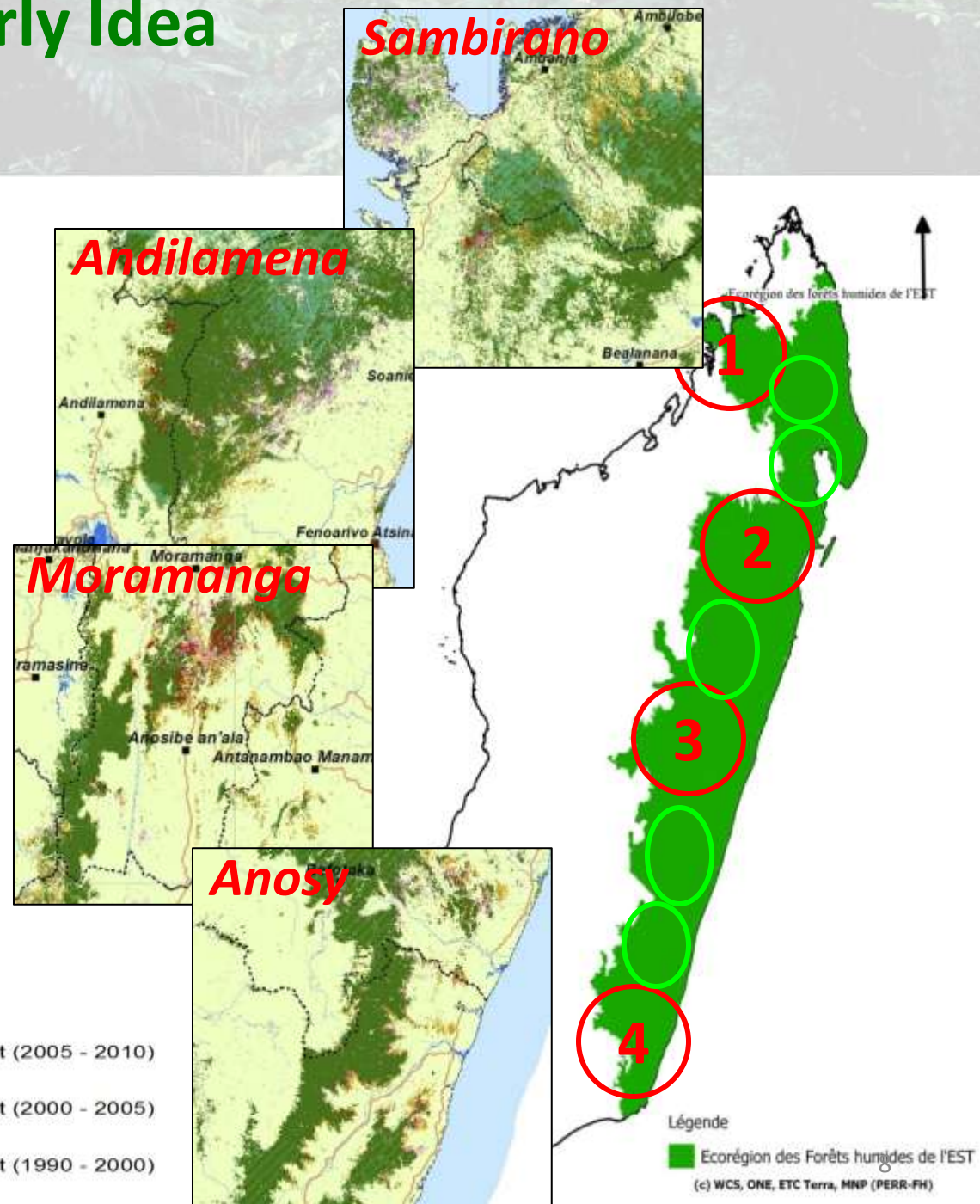
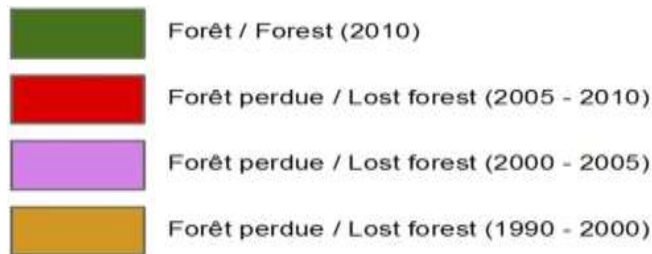
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Synergies with other Initiatives

- Eco-regional REDD initiative (PERR-FH): REL, MRV for humid forest eco region (supported by World Bank)
- Technical Assistance on REL, MRV at national level (supported by France)
- FORECA: socio-economic aspects, community forestry (support by Germany, Switzerland)
- National readiness process: legal framework, country needs assessment (July 2014, supported by UN-REDD)
- Builds on the lessons from USAID-funded institutional support project 'JariAla'
- German-Malagasy Environment Program (PGME) in support of sustainable natural resources management

Madagascar Early Idea Scale

- **Program/accounting area** (= Humid Forest Eco-region): 20,585,864 ha (35% of national territory)
- **Forest area:** 4,049,684ha (20% of program area)
- 13 regions: 12.6 million people
- Program activities in 4 key landscapes
- Linking existing protected area REDD+ initiatives



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Drivers of Deforestation in Program Area

Observed Drivers of D&D	Underlying Factors
Subsistence agriculture	<ul style="list-style-type: none">• Lack of inter-sectorial coordination• Low productivity/capacities• Low investment and market access• Tenure insecurity and open access
Uncontrolled, often illegal logging	<ul style="list-style-type: none">• Weak forest governance• Insufficient forest control and law enforcement• Inefficient wood processing
Small-scale mining	<ul style="list-style-type: none">• Illegality• Lack of means for control
Animal Husbandry	<ul style="list-style-type: none">• Lack of inter-sectorial coordination• Low productivity• Tenure insecurity

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Drivers of Deforestation in Program Area



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Program Highlights: Activities (1)

1. Integrate spatial REDD planning:

- Review and integrate existing land use planning tools:
 - Regional and communal Land-use Plans (SRAT/SAC)
 - National and Regional Forest Zoning
 - Communal Development Plans (PRD/PCD)
 - KoloAla management plans
- Extend existing tools to improve tenure security (“guichets fonciers”, local land tenure offices) to forest lands

2. Improve agricultural subsistence production:

- Improve and diversify agricultural production systems and build capacities for subsistence and income
- Promote market access for small and medium producers through development of value chains and partnerships
- Foster rural investments by facilitating access to land tenure and financing opportunities to smallholders
- Promote conservation agriculture and agroforestry systems

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Program Highlights: Activities (2)

3. Promote sustainable forest management (KoloAla)

- Diversify actors of forest management (communities, private sector, forest service) and build their capacities
- Improve forest management tools (management plans, delegation framework, etc.) and wood transformation techniques
- Promote reforestation and restoration of degraded forests through fiscal and tenure related incentives
- Promote local forest related PES systems

4. Improve Forest Governance

- Reinforce integration of civil society organizations and private sector operators into forest governance
- Develop and test independent, efficient and transparent law enforcement, forest control and monitoring systems
- Generalize competitive and transparent bidding
- Develop and test chain of custody and traceability systems for timber and other forest products.

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Estimated Emissions in Program Area

Based on historic emissions from 2000 – 2010 in program area:

	Estimated deforestation (ha / year)	Emission factor (tCO ₂ -e/ha)	Estimated annual emissions (tCO ₂ -e/ year)
<i>Low altitude forests (0 - 800m):</i>	6,760	578	3,905,888
<i>Medium/high altitude forests (>800m):</i>	4,441	519	2,304,330
Total	11,201	-	6,210,218

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Estimated Emission Reductions in Program Area

Potential emission reductions 2015-2020:

Expected rate	ERs
<i>Measures efficiency 50%:</i>	<i>15,525,545</i>
<i>Measures efficiency 25%:</i>	<i>7,762,772</i>

Marketing Strategy:

- GoM expects to offer >80% of ER to FCPF Carbon Fund
- GoM will continue pursuing potential other buyers

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Progress towards Readiness (1)

1. Organization and Consultation:

- Bureau National de Coordination (BNC-REDD) created at MEF level, supported by multi-stakeholder CT REDD committee
- REDD+ information and consultation ongoing in HF eco-region
- REDD+ capacities improved at all levels through pilot projects and direct technical support

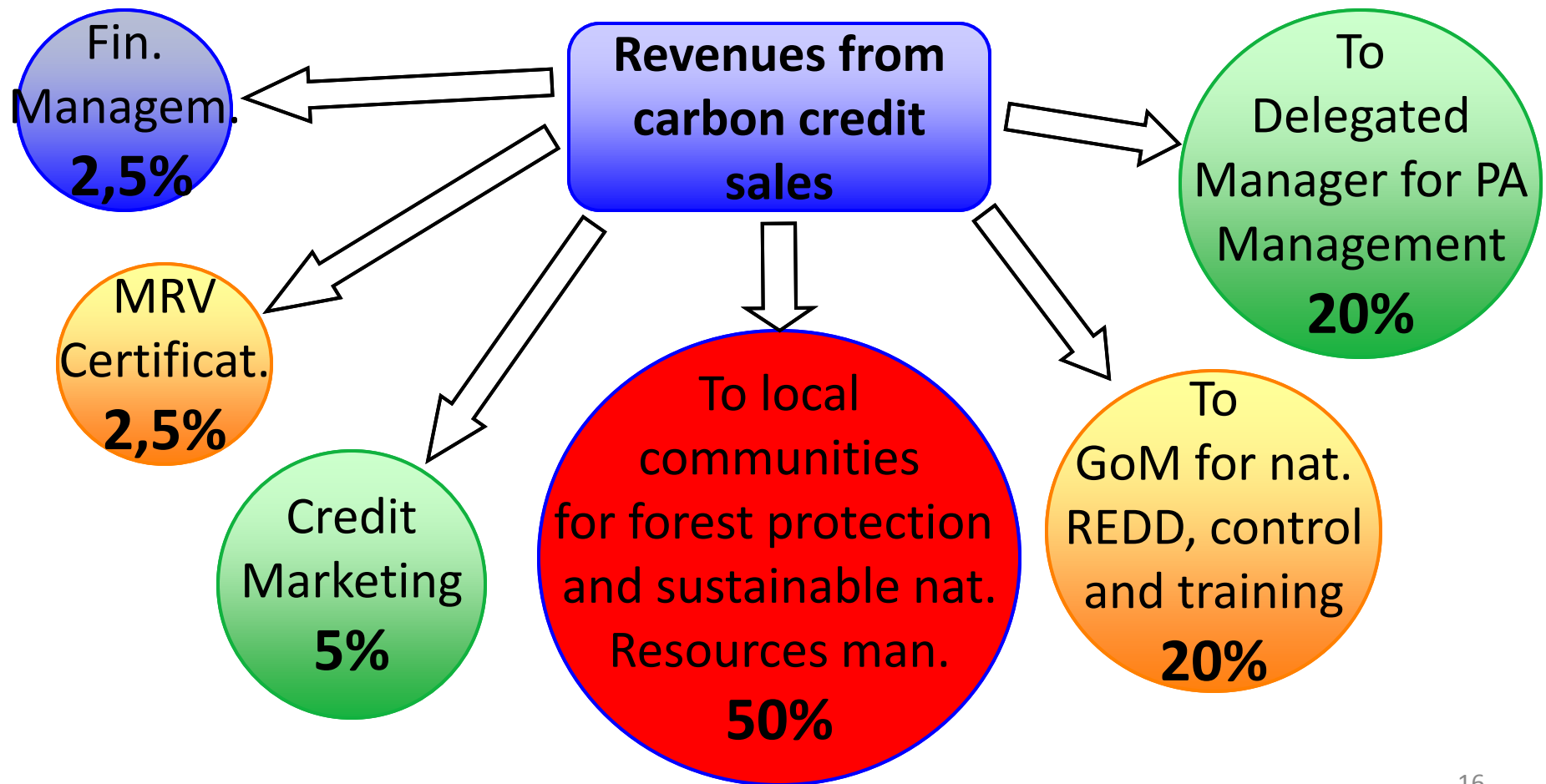


2. National REDD Strategy:

- REDD+ database in place at ONE (deforestation, carbon stocks)
- Eco-regional drivers analysis ongoing under the eco-regional REDD+ project
- REDD+ benefit sharing mechanisms and structures tested in REDD+ pilot projects
- Protected Areas SESA Framework under development

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Experience on Benefit Sharing



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Progress towards Readiness (2)

3. Emissions Reference level

- Preliminary national carbon stock map and emissions baseline established based on existing data
- Methodologies for setting reference level (coherent with international standards) validated nationally
- Carbon stock map and emissions baseline for Humid Forest eco-region under development in PERR-FH project

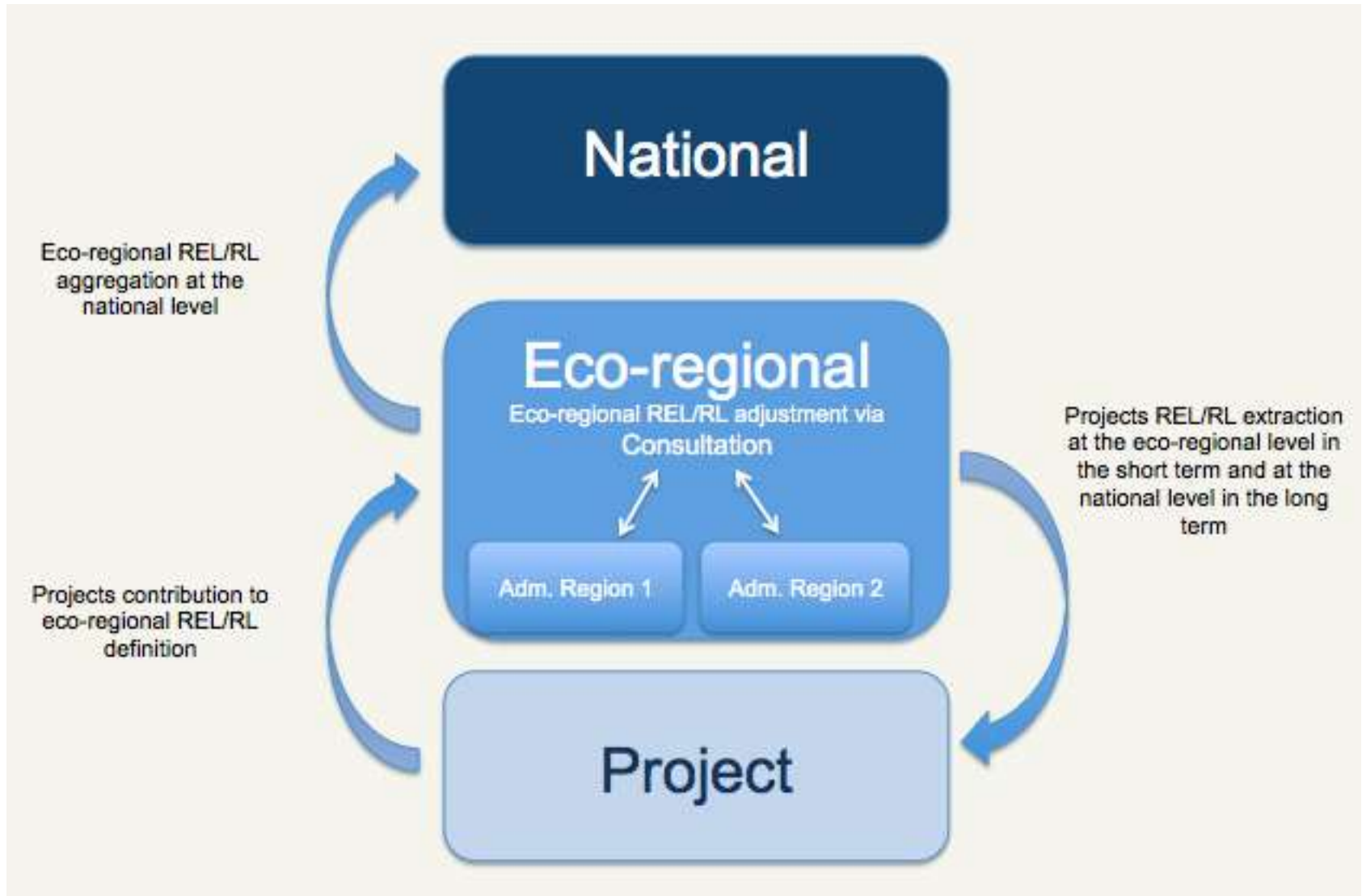


4. Monitoring Systems (MRV)

- Forest definition and eco-regions validated nationally
- Emissions related MRV methodologies validated nationally
- MRV structures established, trained and equipped
- Non-carbon MRV methodologies under development through additional WB funds

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Approach for National REDD+ Implementation



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Political Commitment (1)

- **Madagascar's President Hery Rajaonarimampianina:**
“Commitment to transformational change towards Green Growth”
- **New General State Policy (PGE)** presented by Government on May 09, 2014:

Orientation 4 (of 4): Environment Protection and Climate Change mitigation and adaptation

Challenge 16:

- Ensure maintenance of environment and natural resources;
- Promote sustainable use of natural resources;
- Reinforce environmental governance at all levels;
- Integrate CC mitigation and adaptation into sustainable development policies and strategies;
- Promote research related to sustainable development and forest conservation

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Non-carbon Benefits

- **Ecological:** Maintenance of diverse forest ecosystems and related biodiversity and ecosystem services;
- **Social:** Job creation from eco-tourism and rural development activities, improved autonomy of women, reduced vulnerability and acknowledgement of local communities as main actors;
- **Financial:** Revenue generation from improved forestry and agricultural value chains;
- **Scientific:** Improved data on natural resources management and related publications.



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Diversity and Learning Value

- Madagascar is already reducing deforestation through ongoing projects: ER program will scale up to subnational level with an integrated approach
- REL and MRV already advanced → focus is on concrete activities to address drivers of deforestation
- National decision on benefit sharing ensures that at least 50% of REDD+ benefits will go to local communities;
- Madagascar has been implementing social and environmental safeguards measures around PAs
- High co-benefits, particularly biodiversity and local development



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Consistency with Methodological Framework (1)

MF Criterion	Consistency of proposed ER program
1. Level of Ambition	
C1: Level of implementation	Proposed eco-region includes various forest management zones and numerous REDD strategy options
C2: Accounting area	Humid Forest Eco-region
2. Carbon Accounting	
C3: Sources and sinks considered	Deforestation, forest degradation if significant
C4, C5: Carbon pools and emission sources chosen	<ul style="list-style-type: none"> - Pools: AGB (Tier III), BGB (Tier I) and SOC (Tier II). - Gases: CO₂ measured, default values for CH₄ et N₂O
C6: Documentation of data, methods and assumptions	On-line publication <i>via</i> PERR-FH website by end 2014
C7 – C9: Uncertainties	Using methodologies that have already been published in international scientific journals

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Consistency with Methodological Framework (2)

MF Criterion	Consistency of proposed ER program
3. Reference Levels	
C10, C11: Development of REL and RL	Eco-regional REL being developed Reference period: 2000 – 2010
C12: Forest definition	Validated and consistent with national MDP definition
C13-21: REL adjustment, MRV system, prevention of leakage	All protocols currently being defined by PERR-FH, based on guidance from the R-PP
C 22, C23: Emission reductions	Estimated by PERR-FH by end 2014
4. Safeguards	
C24, C25: Actions to meet WB safeguards	Protocol for monitoring biodiversity and community safeguards & mechanisms for feedback and grievance redress currently being defined by PERR-FH based on guidance from WB and UNFCCC
C26: Feedback and Grievance Redress Mechanism (FGRM)	
5. Sustainable Program Design and Implementation	
C27-C35: DD drivers and land tenure assessment, Revenue sharing, Co-benefits => Activities described through other slides	

Next Steps



- July: R-PP submitted for FCPF PC endorsement
- August: Grant Agreement signed with WB
- July - October: ER-PIN preparation
 - Technical studies
 - Consultations with stakeholders
- October: ER-PIN presentation to CF-11



Misaotra tompoko

Thank you

