Ministerio de Ambiente

BONN, 2019

Describe your experience in preparing, presenting and technically assessing the FREL under UNFCCC.

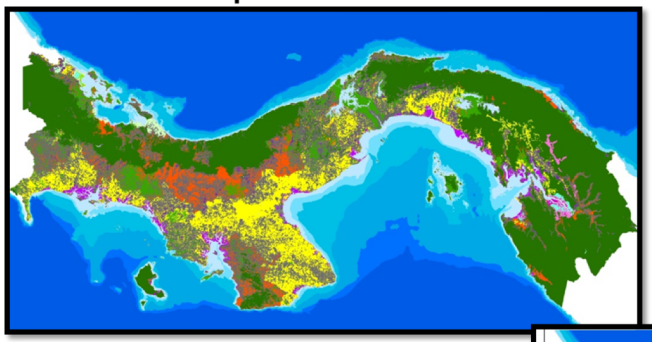
- ✓ The activity data were analyzed by REDD+ activity and emission factor in an initial meeting with forestry experts from MiAMBIENTE, FAO, UNDP and CfRN.

- ✓ The activity data collection was started with the Collect Earth tool. This tool monitors the forestry dynamics of the forests in Panama (Deforestation, Degradation, stock increase, Conservation and sustainable management).

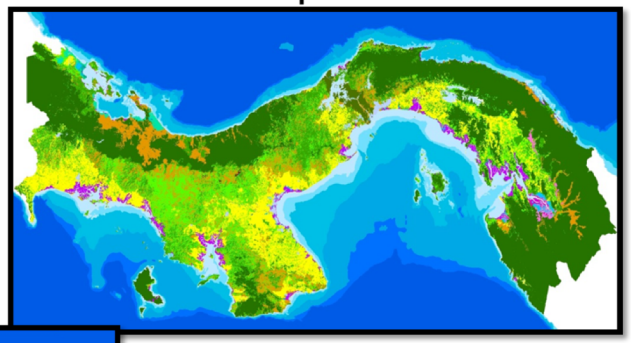
- ✓ MiAMBIENTE and the CfRN worked together to define the methodology for the construction of the FREL of Panama.

- ✓ A lesson learned was the integration of forest specialists and GIS experts in the construction of the FREL. This was key to reaching consensus and achieving the expected results.

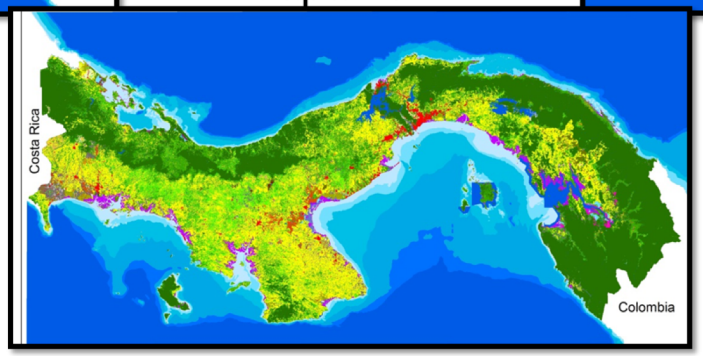
Mapa 1990



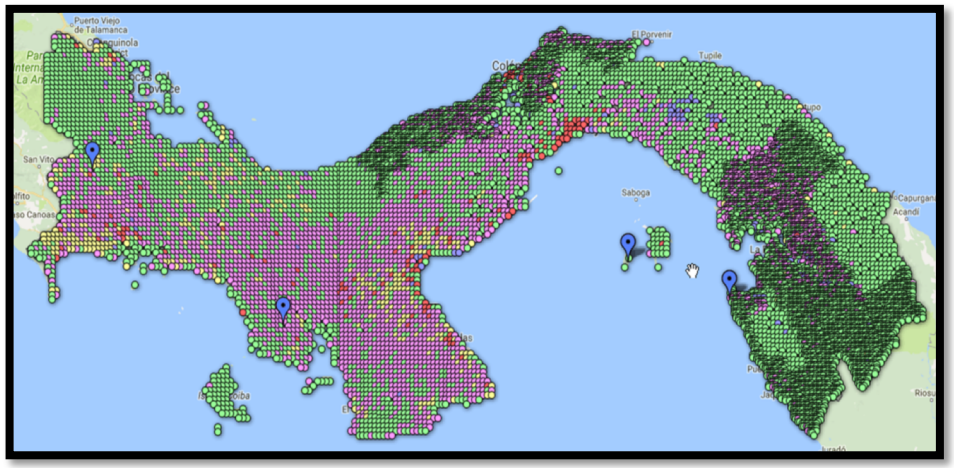
Mapa 2000

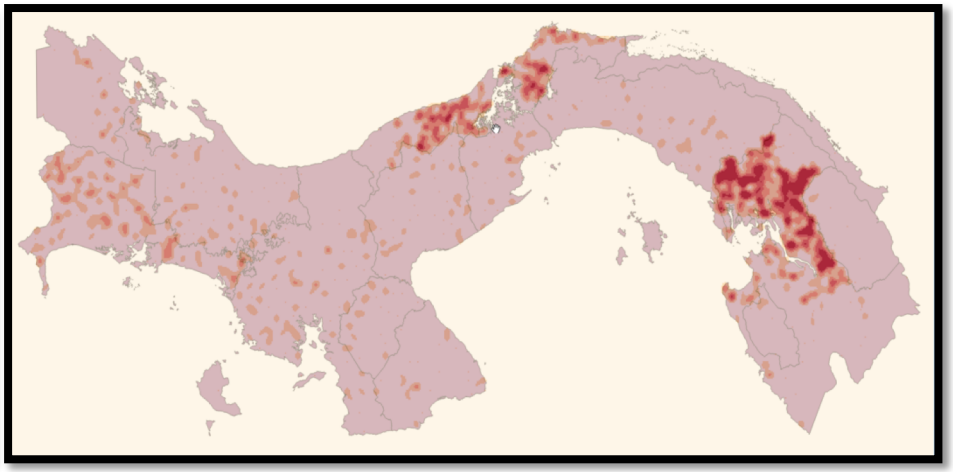


Mapa 2012



Before





Today

Now that the FREL is complete, describe your next steps in terms of REDD+ monitoring?

- ✓ The next step is to make a plan of improvements contained in the FREL Report and proceed to the annual monitoring of possible changes in land use. Actually, technical and financial support will be required and to demonstrate the country's effort in reduction / absorption. of GHG and request payment for results. All this must be aligned with national policies and programs including in the NDC related to national forest management. The implementation of the ENREDD + is key.

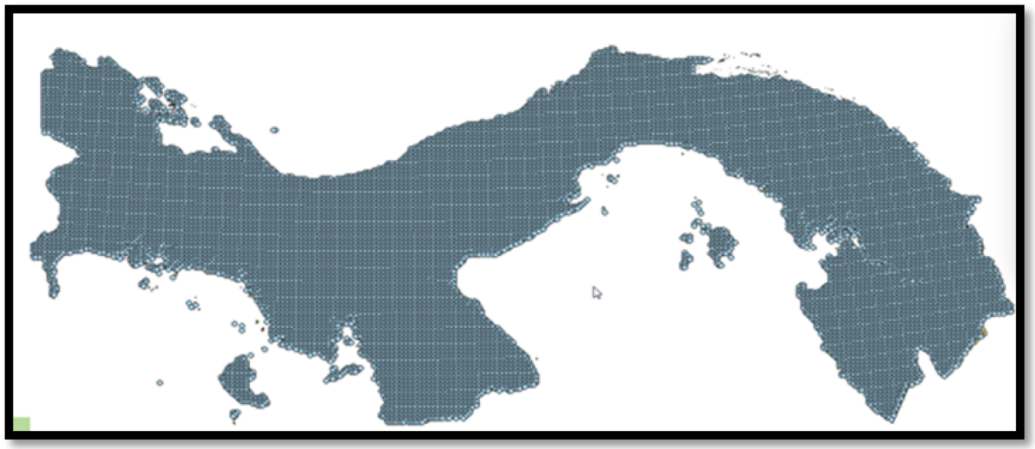
- ✓ Generate a short-term improvement plan that has a direct link with the construction of future GHG inventory and the updating our NDC.

- ✓ Strengthen the technical capacities created to date. And update of the technicians in the AFOLU sector.

Explain your plan and timeline for submitting REDD+ results (if any)

Work plan 2019 – Panama

- ✓ Make a Mapatón or update our activity data from 2016 to 2019 to request payments by result.
- ✓ Annual remediation of 20% of the plots of the National Forestry and Carbon Inventory to update the emission factors.
- ✓ Include a technical annex in the second BUR of 2020.



Explain any future areas of improvement of your FREL and if you have foreseen a date when it could be updated

- ✓ Strengthen the land use interpretation process by adjusting QA / QC procedures, for the second semester of 2019.

- ✓ Update the techniques to the application of the Collect Earth images, which will improve the historical data.

- ✓ Update the emission and absorption factors with the estimates of the carbon deposits derived from the complete INFC data, instead of those corresponding to the pilot phase.
- ✓ Revisar algunos supuesto y criterios de expertos para actualizar algunos cálculos.

- ✓ the Assessment Team (AT) of IPCC commends Panama for showing a strong commitment to the continuous improvement of its FRL estimates, in line with the stepwise approach. A number of areas for future technical improvement of Panama's FRL have been identified in this report. At the same time, the AT acknowledges that such improvements are subject to national capabilities and policies, and notes the importance of adequate and predictable support. The AT also acknowledges that the assessment process was an opportunity for a rich, open, facilitative and constructive technical exchange of information with Panama.

Current status of REDD+/GHGI. How did CfRN RRR+ contribute to the achievements?

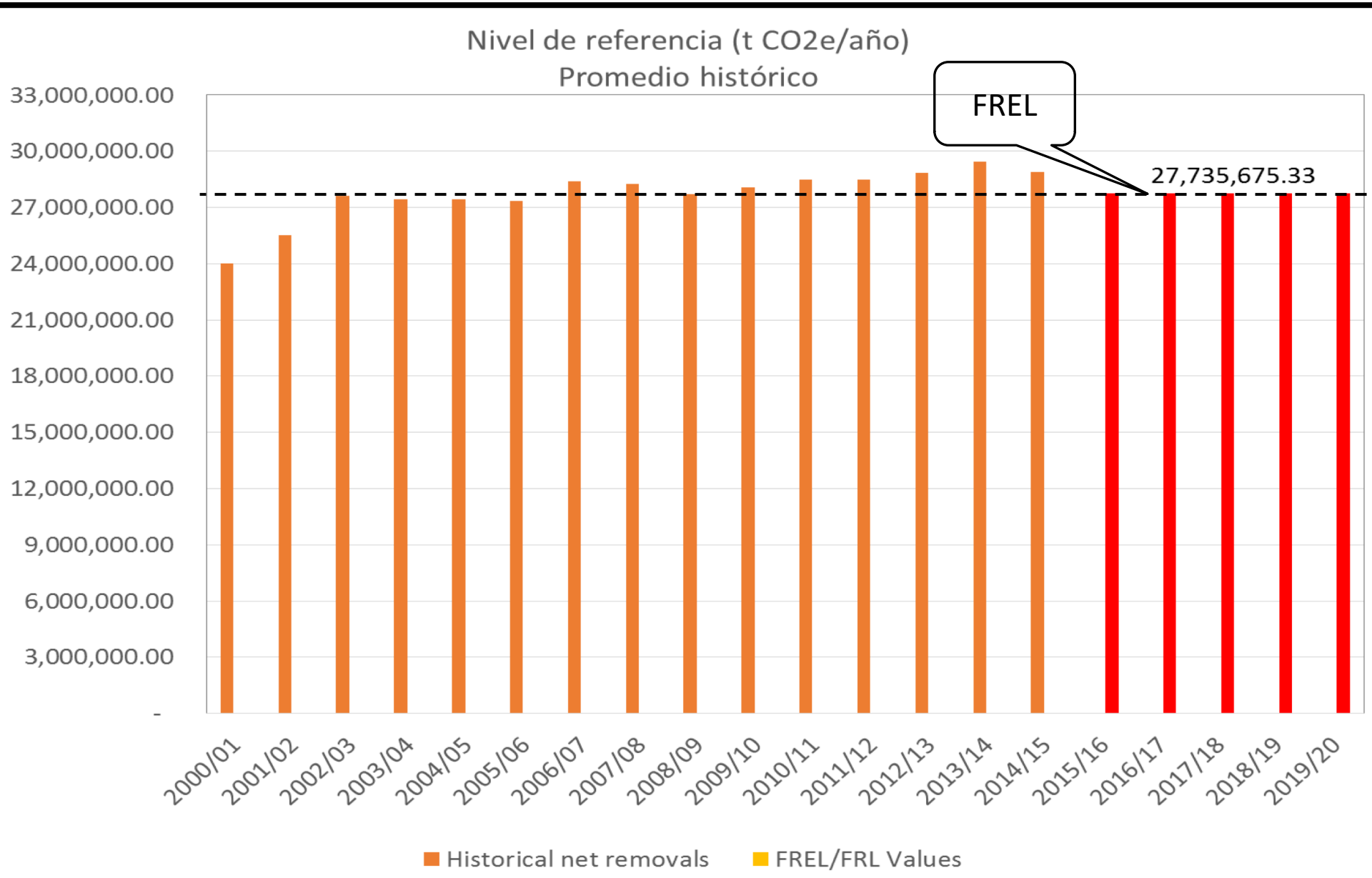
- ✓ CfRN contributed significantly to the construction of the FREL in Panama by providing technical support to achieve the proposed goals. Part of the success of Panama was due to the constant advice of the CfRN. We consider that the CfRN is a key support so that tropical countries can advance in the construction of their GHGI and FREL for their extensive experience developed in recent years in these REDD + issues.

- ✓ Training in the 2006 IPCC Guidelines for greenhouse gas inventories.

- ✓ Creation of a template for the FREL calculation and which in turn serves to recalculate past and future inventories.

Application of the principles of the IPCC…

- ✓ **Transparency: All calculations and formulas were shown in the report clearly explained in the Excel template. The reviewers highlighted that Panama fully complied with this point.**
- ✓ **Completeness: All forest carbon losses (Deforestation and Degradation) were considered as gains (stock increase, conservation and sustainable management) as well as disturbances (products of harvested wood). It was also possible to include 4 of the 5 pools of the forestry sector.**
- ✓ **Comparability: The processes and calculations of the FREL will allow the alignment of future inventories and NDCs.**
- ✓ **Consistency: Having a time series of 16 years, the FREL data allows us to recalculate the GHG inventory and make them consistent among them (same data, same methods, same assumptions).**
- ✓ **Accuracy: The use of Collect allowed us to generate a QA / QC for the activity data. This point we remain for making an effort to improve.**


Nivel de referencia (t CO2e/año)
Promedio histórico
FREL
27,735,675.33
33,000,000.00
30,000,000.00
27,000,000.00
24,000,000.00
21,000,000.00
18,000,000.00
15,000,000.00
12,000,000.00
9,000,000.00
6,000,000.00
3,000,000.00
-
2000/01
2001/02
2002/03
2003/04
2004/05
2005/06
2006/07
2007/08
2008/09
2009/10
2010/11
2011/12
2012/13
2013/14
2014/15
2015/16
2016/17
2017/18
2018/19
2019/20
Historical net removals
FREL/FRL Values