

JICAによるREDD+国際協力の取り組み

JICA's cooperation on REDD+

国際セミナー REDDプラス・始動元年
REDD-plus Start-up Year 2020

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JICA 地球環境部 審議役兼森林・自然環境グループ次長 森田 隆博

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JICA Mission & Vision



Mission

開発協力大綱*の下、人間の安全保障と質の高い成長を実現
JICA, in accordance with the Development Cooperation Charter,
will work on human security and quality growth.

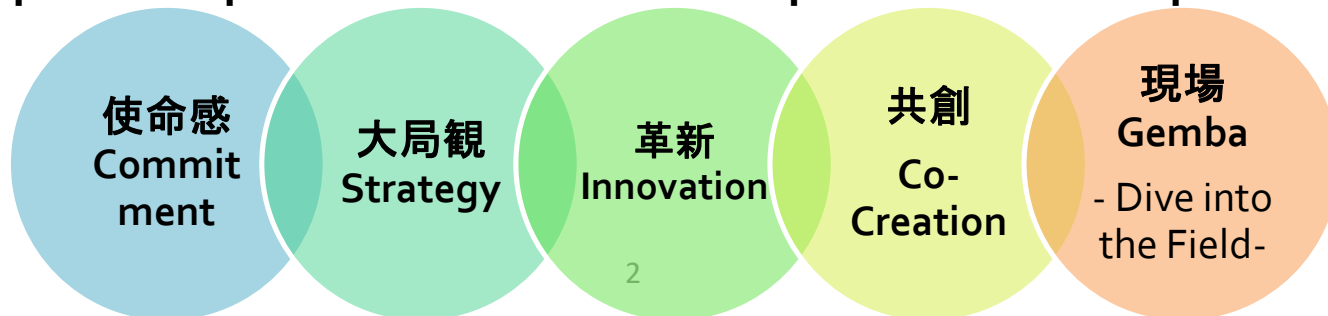
Vision

信頼で世界を繋ぐ Leading the World with Trust

人々が明るい未来を信じ明るい多様な可能性を追求できる、自由で平和かつ
豊かな世界を希求し、パートナーと手を携えて、信頼で世界を繋ぐ

JICA, with its partners, will take the lead in forging bonds of trust across
the world, aspiring for a free, peaceful and prosperous world where
people can hope for a better future and explore their diverse potentials.

Actions



JICAの自然環境保全分野における取組み

JICA's Strategy for Nature Conservation

目標 Overall Goal

自然環境保全と人間活動の協調

Harmonization between Nature Conservation and Human Activities

3つの戦略課題 Three Strategic Objectives

森林保全と持続的な森林管理を通じた気候変動緩和策(**REDD+**など) **Sustainable Forest Management against Climate Change (REDD+)**

森林保全と持続的な森林管理を通じた気候変動適応策(**Eco-DRR**、森林火災対策、流域保全など) **Ecosystem (including forest) - based Disaster Risk Reduction (Eco-DRR)**

持続的な自然資源利用によるレジリエンス強化と生計向上(砂漠化対処など) **Sustainable Use of Natural Resources to Improve Livelihoods of Vulnerable Community**

保護区およびバッファゾーン管理を通じた生物多様性保全 **Biodiversity Conservation through Management of Protected Areas/ Buffer Zones**

関連する国際条約等 Related Conventions

気候変動枠組条約 UNFCCC/国連森林フォーラムUNFF

砂漠化対処条約
UNCCD

生物多様性条約
UNCBD

緩和 Mitigation

適応 Adaptation

SDGs



森林保全を通じた気候変動緩和策/REDD+の協力量針

Climate Change Mitigation and REDD+ Cooperation Policies

■ 我が国の政策：開発協力大綱 重点分野

Japan's policy: Priority area in fundamental principles of development cooperation

- 気候変動対策・森林等自然資源保全等による地球規模課題への取組を通じた持続可能で強靱な国際社会の構築
- Building a sustainable and strong society through activities addressing global issues by implementing climate change measures, conserving forests and natural resources, etc.

■ JICAの方針：第4期中期計画(2017-2021)・SDGsへの貢献

JICA's policy: Contribution to the JICA's fourth medium-term plan (2017-2021) and SDGs

- 途上国によるGHG削減貢献約束(NDC)等を踏まえ、民間資金も活用した、パリ協定への対応を含む気候変動対策の支援。特に、気候変動に関する政策・制度の改善、森林・自然生態系の保全や管理の強化等。
- Supporting climate change measures including actions for meeting the Paris Agreement on the basis of GHG Reduction Contribution Commitment (Nationally Determined Contributions (NDCs)) of developing countries, considering utilization of private sector; particularly, improving policies and institutions related to climate change, enhancing conservation and management of forest and natural ecosystems.
- SDGs13 気候変動対策と15 森林保全等の達成をリードし、国内の知見の活用・パートナーとの連携・イノベーションにより支援を加速。
- Leading the achievement of SDGs 13 climate change measures, SDGs 15 forest conservation, and accelerating support by utilizing Japanese knowledge, cooperating with partners, and innovation

森林保全を通じた気候変動緩和策/REDD+の協力方針

Climate Change Mitigation and REDD+ Cooperation Policies

■ JICA 森林保全を通じた気候変動対策/REDD+の協力方針

途上国のオーナーシップの尊重と人材育成を重視し、国際的コミットメント達成と現場レベルでの着実なインパクトの発現に貢献する
Focusing on ownership of developing countries, addressing importance on development of human resources, achieving international commitments, and contributing to realize impacts on the ground

方針1 途上国の国家開発政策と国際公約実現への貢献 - 戦略的地域・国・分野に対する支援

Policy 1: Contribution to achievement of national development policies and international commitments in developing countries (support for strategic regions, countries, and fields)

- パリ協定実施・促進のための気候変動政策立案・実施支援
- 我が国NDC（2030年までに森林分野約2千8百万CO₂t減）達成への貢献
- SDGs13・15への貢献
- Support formulation and implementation of policies on climate change measures to implement and promote the Paris Agreement
- Contribute achievement of Japan's NDC (reduction of approximately 28 million tons of CO₂ in the forest area by 2030)
- Contribute SDGs 13 and SDGs 15

方針2 我が国の知見・技術を核とした貢献 - 森林管理の経験、衛星技術、人材育成等によるREDD+・持続的森林管理支援

Policy 2: Contribution based on Japan's knowledge and technologies (support for REDD+ and sustainable forest management, satellite technologies, human resources development.)

- 森林率5割→7割まで回復した日本の知見・経験の共有
- 優れた衛星技術や知見を通じた森林モニタリングシステム構築
- REDD+プラットフォーム 産官学連携
- Share Japan's knowledge and experience (in Japan, the forest rate recovered from 50% to 70%.)
- Develop forest monitoring systems based on advanced satellite technologies and knowledge
- Enhance REDD+ platform for private sector-government-academia cooperation in Japan

方針3 外部資金とパートナーシップによるグローバルレベルでの貢献と開発効果向上

Policy 3: Global-level contribution and enhancement of development impact by external funds and partnership

- GCF、民間資金（JCM・寄付金）、事業受託等を活用した途上国の事業資金確保支援
- 開発パートナーとの連携による事業規模拡大、成果定着、持続性確保
- Support developing countries to access to external funds such as GCF, private funds (JCM and donations), etc.
- Scale up and ensure sustainability of projects in cooperation with development partners

■ 協力量針を踏まえた事業実施・活動(実績・予定)

Project implementation and activities based on the cooperation policies (achievement and plan)

方針1 途上国の国家開発政策と国際公約実現

Policy 1: Contribution to achievement of national development policies and international commitments

- 戦略性・支援の必要性の高い国を中心とした政策立案・実施支援
- 途上国の実情にあわせた現場重視のREDD+準備・実施支援
- 戦略的な人材育成(幹部向けREDD+研修、長期研修制度活用等)
- **Support** mainly of strategically important countries in need of support to formulate and implement policies
- **Support REDD+ preparation and implementation on the ground considering actual situations of the developing countries**
- **Strengthen Strategic human resources development** (use of REDD+ training programs for policy makers, long-term training programs, etc.)

方針2 我が国の知見・技術を核とした
Policy 2: Contribution based on Japan's knowledge and technologies

- 経済開発と保全を両立する持続的森林管理促進
- JJ-FAST(ALOS-2)による全熱帯林の監視による広域展開、地域セミナーや本邦研修による普及活動(全77か国)
- 衛星・リモセン技術と人材育成による国際標準を満たすNFMS構築・運用
- REDD+プラットフォームを通じた連携産官学・知見の蓄積と情報発信
- **Promote sustainable forest management** which realize both economic development and environmental conservation
- Widen area coverage by monitoring all tropical forests by JJ-FAST (using ALOS-2) and capacity development through local seminars and training in Japan (in 77 countries in total)
- **Develop and implement NFMS at international standards** on the basis of satellite and remote-sensing technologies and human resources development
- **Strengthen Private-government-academia cooperation, accumulate of knowledge, and disseminate information through the REDD+ platform**

方針3 外部資金とパートナーシップによるグローバルレベルでの貢献と開発効果向上

Policy 3: Global-level contribution and enhancement of development impact by external funds and partnership

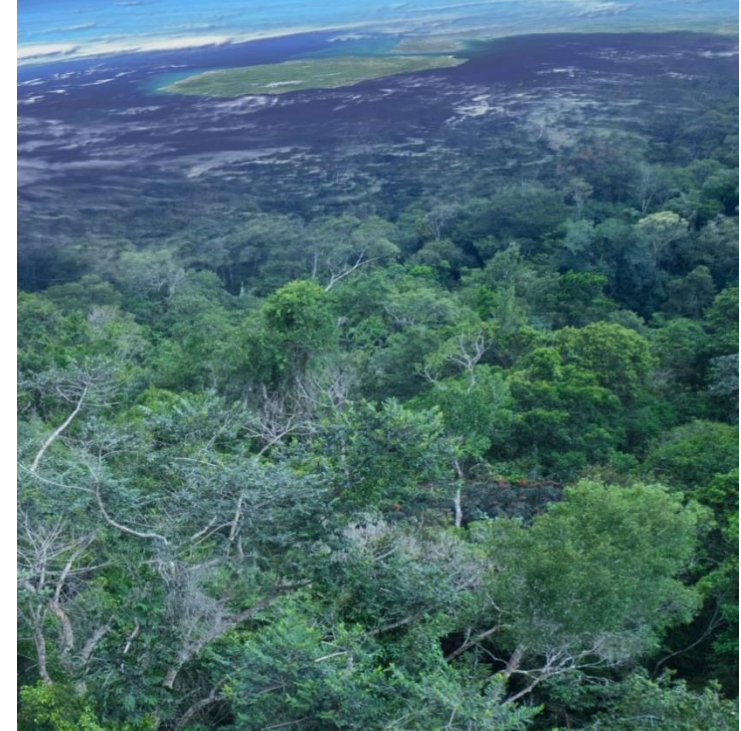
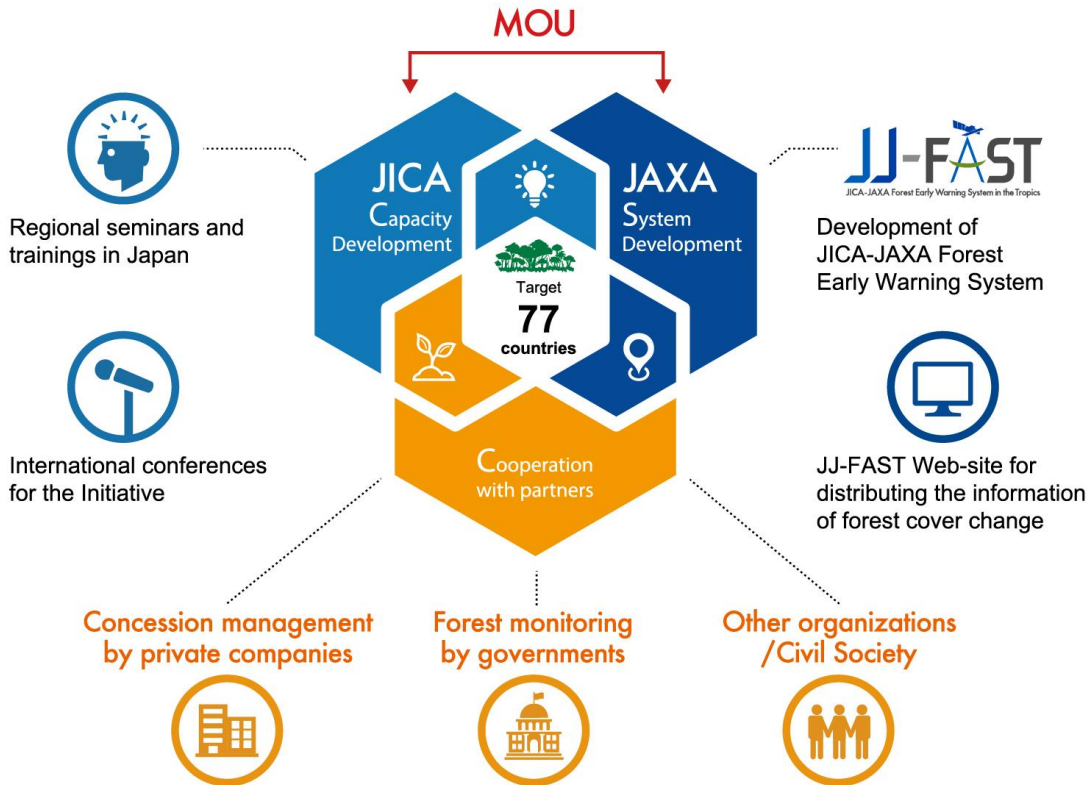
- GCF AEとしての事業検討・実施
- CAFI(中央アフリカ森林イニシアティブ)からの受託事業実施(コンゴ民)
- JAXA、FAO、ITTO等との連携事業による事業成果拡大
- FAOや世銀等との連携による国家森林モニタリングシステム構築
- ITTO・WRI・FAO等との森林ガバナンスイニシアティブ/JJ-FAST連携
- **Formulate and implement project as GCF Accredited Entity**
- **Co-financing with CAFI** (Central African Forest Initiative) in Democratic Republic of the Congo for scale and impact
- **Manage international forest monitoring systems** in cooperation with FAO, the International Bank for Reconstruction and Development, etc.
- **Promote Forest Governance Initiative/ JJ-FAST** in cooperation with ITTO, WRI, FAO, etc.

森林ガバナンスイニシャティブ Forest Governance Initiative (FGI)

JJ FAST: JICA-JAXA Forest Early Warning System in the Tropics

Forest can change the world –

FGI aims to contribute to global tropical forest and biodiversity conservation and climate change mitigation by using satellite technology and multi-stakeholder partnerships

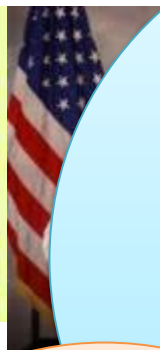


- JICA自身の戦略（JICA strategy）
 - 旺盛な開発ニーズに対する**多様な資金ソースの動員**の促進（GCFを含む外部資金や寄附金、協調融資の活用促進等）
 - Necessity of **resource mobilization** for the low-carbon / climate-resilient infrastructure, while ODA budget is limited
- 日本としての貢献 Accountability to Japanese taxpayers and visible contribution to GCF
 - 日本政府は初期資金動員で15億ドル拠出、第1次増資でも最大15億ドル拠出予定。日本の認証機関はJICAと三菱UFJ銀行。贈与（grant）案件を実施できるのはJICAのみ。
 - Contribution of USD 1.5 billion for the initial resource mobilization (IRM) period (2015 - 2018)
 - Pledged up to USD 1.5 billion* for the 1st replenishment period (2020-2023) at the 1st High-Level Pledging Conference in Oct. 2019 (*subject to approval of the Diet)
- パートナー国からの期待（PALM8）首脳宣言
 - 2018年5月「第8回太平洋・島サミット」
 - Respond to expectations from developing countries
 - Ex. The Leaders **welcomed the accreditation of JICA** by the GCF Board...
 - (Para 24, Leaders' Declaration, 8th Pacific Islands Leaders Meeting (PALM8), May 2018)



- **案件形成促進** Project formulation
 - **体制整備** Resource management (staff, budget) and internal coordination in Japan
 - **GCFのルールに即したプロポーザル作成**
Documentations (Concept Note, Funding Proposals)
Comply with GCF policies on ESS, Gender, Procurement, financial management, etc.
 - **当該国に対する我が国の開発協力戦略（国別開発協力方針）やJICAの事業展開計画との整合性確保**
Harmonization Japan and JICA policy and strategy
 - **案件形成に際し、可能な限り、ODA事業との連携・相乗効果の発現を図る**
Secure impact and scale through synergy between JICA activities and GCF project
 - **案件概要書：防災、森林、畜産等、4件提出済**
4 Concept Notes on DRRM, Forest conservation, Livestock etc. submitted
 - **資金提案書（Funding Proposal）：準備中 in progress**

REDD+プラットフォーム Japan Public-Private Platform for REDD+



国内外での

理解拡大

Promotion of
Understanding of
REDD+



REDD+

情報・知見共
有／意見交換

Information &
Knowledge
Sharing

ビジネスモデル
開発

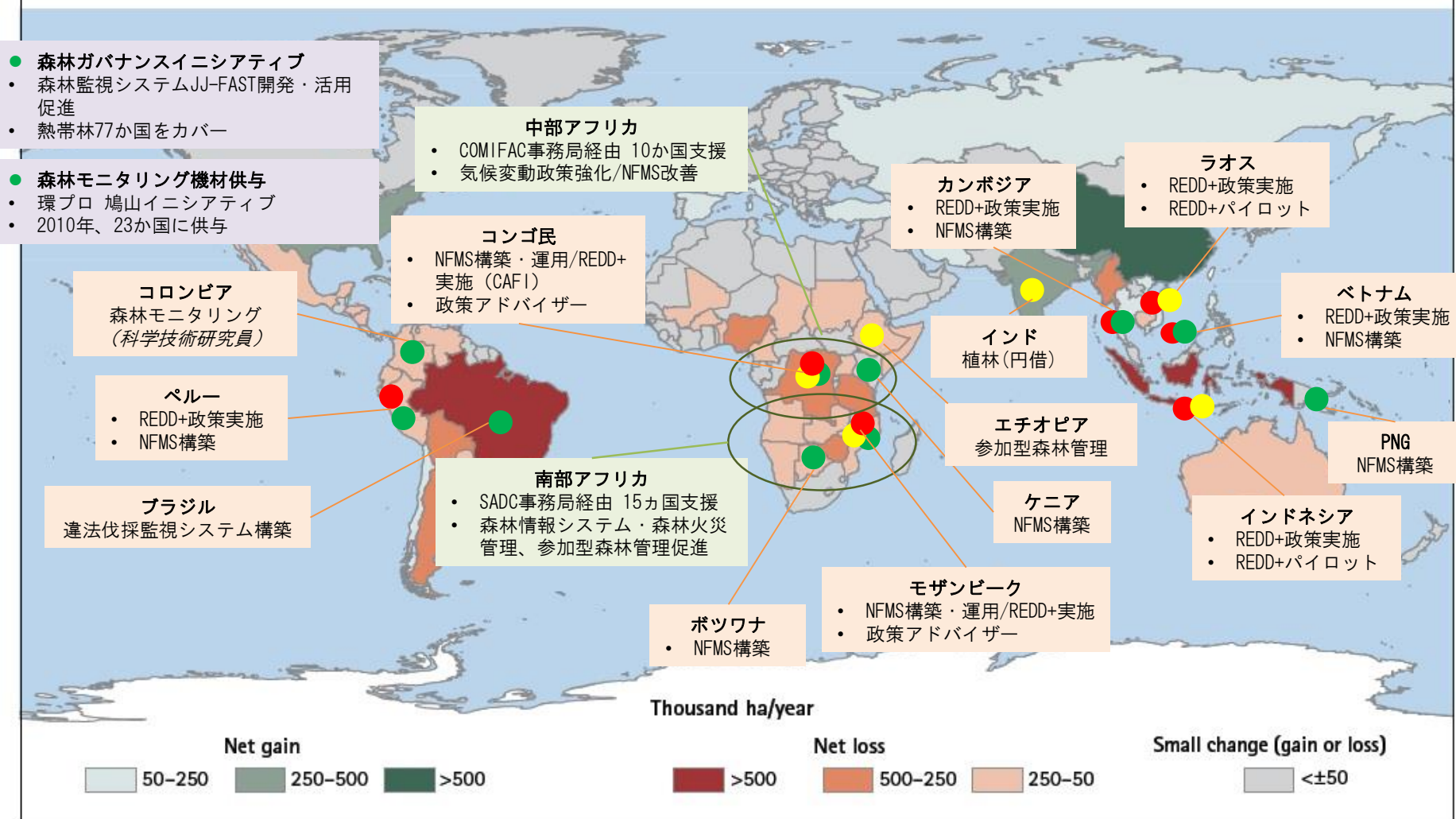
Business Model
Development



- 2014年 設立 Established in November, 2014
- 民間企業等90団体が加盟
90 Members from Private sector, Research Institute, NGO, Ministries etc.
- 事務局 Secretariat: JICA, FFPRI
- 3 Working Groups

主な森林保全を通じた気候変動緩和策/REDD+の支援（2010年以降）

FIGURE 5 Annual net forest gain/loss by country, 1990–2015



- COMIFAC: 中央アフリカ森林評議会
- SADC: 南部アフリカ開発共同体

- 森林/REDD+政策・制度構築
- 森林資源・炭素モニタリング
- REDD+事業実施/森林減少抑制・森林管理

全世界/複数国

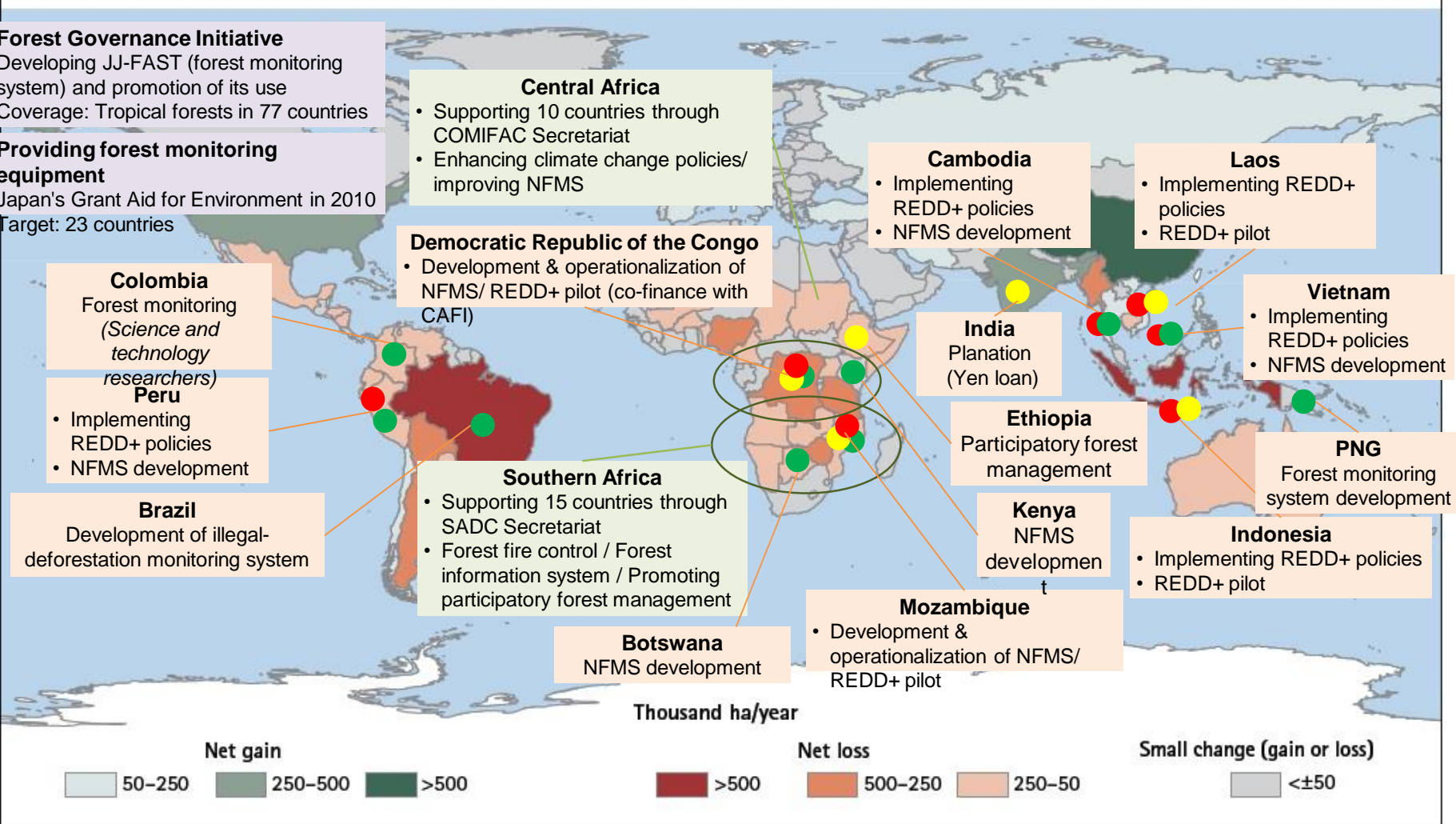
域内協力

二国間協力

Major JICA Projects on Climate Change Mitigations through Forest Conservation / REDD+

FIGURE 5 Annual net forest gain/loss by country, 1990–2015

- **Forest Governance Initiative**
 - Developing JJ-FAST (forest monitoring system) and promotion of its use
 - Coverage: Tropical forests in 77 countries
- **Providing forest monitoring equipment**
 - Japan's Grant Aid for Environment in 2010
 - Target: 23 countries



- **COMIFAC:** Central Africa Forest Commission
- **SADC:** Southern African Development Community

As of January 2017, Map: FAO (2015)

- Forest/REDD+ policies and institutional building
- Forest and carbon monitoring
- REDD+ implementation/ activities for addressing deforestation and forest management

Global / multiple countries

Regional cooperation

Bilateral cooperation

■ 協力方金

Project implementation and activities based on

Policy 1: Contribution to achievement of national development policies and international commitments

- 能力+REDD+

- **Support important ecosystem support to formulate and implement policies**
- **Support REDD+ preparation and implementation on the ground considering actual situations of the developing countries**
- **Strengthen Strategic human resources development** (use of REDD+ training programs for policy makers, long-term training programs, etc.)

- 100

economic development a.

- environmental conservation
- Widen area coverage by **monitoring all tropical forests** by **JJ-FAST** (using DAICHI-2) and capacity development through local seminars and training in Japan (in 77 countries in total)
- **Develop and implement NFMS at international standards** on the basis of satellite and remote-sensing technologies and human resources development
- **Strengthen Private-government-academia cooperation, accumulate of knowledge, and disseminate information** through the **REDD+ platform**

Policy 3: Global-level contribution and enhancement of development impact by external funds and partnership

- 成果普及

• Scale & Impact

- ITTO・WRI・FAO 等と
ニシアティブ/JJ-FAST 連携
- **Formulate and implement project as GCF Accredited Entity**
- **Implement a project funded by CAFI (Central African Forest Initiative) in Democratic Republic of the Congo**
- **Manage international forest monitoring systems in cooperation with FAO, the International Bank for Reconstruction and Development, etc.**
- **Promote Forest Governance Initiative/ JJ-FAST in cooperation with ITTO, WRI, FAO, etc.**

ご清聴ありがとうございました
Thank you for your attention