

a Sound Financial Architecture for ole gorest Management: The Role of For है st Funds

the Experimental Meeting on Strengthening Financing for SFM through the Funds - 25 October 2013. Bogor, Indonesia

(Institut Pertanian Bogor)

2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IPB.

b. Pengutipan tidak merugikan kepentingan yang wajar IPB.

Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:

Hak Cipta Dilindungi Undang-Undang

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.

1







	1. Di 0. 2. Di			
	llard . Pe illard			
	Dilarang a. Pengu b. Pengu Dilarang			
(Conta 等等 a	문		
1	. Dilarang mengutip seb a. Pengutipan hanya b. Pengutipan tidak n b. Dilarang mengumuml	के ०		
•	jutip sel i hanya i tidak r gumum	ipt		• •
2	k n	ear Funds		. 9
	ebagic a untu meru nkan	anstitutional di	mensions of National Forest Funds	. 9
	bagian atau seluruh kary x untuk kepentingan pen merugikan kepentingan nkan dan memperbanya 2.1 2.3 2.4 2.5 2.6	eforestation F	nensions of National Forest Funds	17
	2.3 m Pingh Qn	of Sustainable	Forest Management in Peninsular Malaysia	24
	2.4 sepo	las to Effect	Establishing and Managing National Forest Funds in India	32
	repentingan ran kepentingan ran kepentingan ran kepentingan ran memperbaran memperbaran memperbaran ran kepentingan memperbaran memperbara	Sinance for Sos	Establishing and Managing National Forest Funds in India	47
	any	S Prost Protection	n and Development Fund (VNFF)	EC
	irya n ya n yak			
	karya tulis ini pendidikan, p gan yang waja inyak sebagian	and Forest	Resource Development Fund (FRDF) under the Ministry of in Lao PDR	67
•		Touch Founds		74
3	ita pen gr I			
	C 30 11. O		an Trust Fund for Environmental Conservation	71
	3.2 Phepper	ne Tropical for	conservation trust fund: Connecting Forests, People and	
	uruh k	ment		80
	0 2		diversity Trust Fund in Vanuatu	
4	. Conate in in	REDD+ Financia	g	93
5	. Cancluga ga	emarks		95
	7 7	nia		
	i dala	3	-	00
~	lan menyek a ilmiah, p s ini dalam		of the Expert Meeting 24-25 October 2013	
	Annex 1. Leter	_		
	Annox 3 Depen	t meeting Inform	ation Brief	03
	Annex 4 Per	ntations Climate	and REDD+ Financing	05
	Annex 5 Result	t from group wo	rk1	23
	anp			
	oent oa iz			
	zin II			
	n kı PB.			
	럂			
	atc	\Box		
	<u>=</u>	90		
	nja	O		
	uan	7		
	suc			
	<u> </u>	9	ation Brief	
	nas			
	ala			
	j.		2	



Ω 0

overvin

In accord

not DR.

izin

DJR was cha

tulis ini tar

1. Dilarang mengutip s

Sudarsono Soedomo¹⁴

2. Dilarang mengumumkan o Pengutipan tidak merugikan kepentingan yang wajar IPB Pengutipan hanya kepentingan pendidikan, per issue aminimization investment profital forests only of the company of the compan funds will flow to the forestry sector. If forestry investment is not head or sustainable production will only be wasted and there will be no sustainable production to the forestry fund will only be wasted and there will be no sustainable production to the forestry fund will only be wasted and there will be no sustainable production to the forestry fund will only be wasted and there will be no sustainable to the forestry fund will only be wasted and there will be no sustainable to the forestry fund will only be wasted and there will be no sustainable to the forestry fund will only be wasted and there will be no sustainable forest fund will only be wasted and there will be no sustainable fund to the forestry fund will only be wasted and there will be no sustainable fund to the forestry fund will only be wasted and there will be no sustainable fund to the forestry fund will only be wasted and there will be no sustainable fund to the forestry fund will only be wasted and there will be no sustainable fund to the forestry fund will only be wasted and there will be no sustainable fund to the forestry fund will only be wasted and there will be no sustainable fund to the forestry fund to the for seluruh karya

ACKGROUND 🛪 THE FUND

In accordance in the constitution natural resources are used for the maximum benefit of the people in a suspinated manner. To ensure that such a use can be materialized, the productivity of the forest must be maintained and degrad on must be addressed, including by conducting reforestation. To ensure that represents the conduction of the people in a suspinate of

In Government Regulation 6 of 2007, DR is defined as a fund collected from IUPHHK holders in natural production for set or reforest and mehabilitate forests 15.1 There is a confusion in understanding of DR and Reforest and mehabilitate forests 15.1 There is a confusion in understanding of DR and DJR pave and arity and it is oderstandable if one sees that the two terms have a close relation. It is true the citizen money of DR was from the money of DJR. DJR was money that belongs to holders of forest confusion right that must be deposited in the government's account as a performance guarantee of performance and the confusion of forest area under their concession. When we look at the substance contained the confusion DR and DJR has a much different meaning. DR is not a guarantee of performance, while DE is a parametee of performance. Act 41 of 1999 through Article 35 clearly mandates that every holder of ILIPE is charged with a performance bond (DLK) dang ignificant kineria). This mandate is not holder of IUP is charged with a performance bond (DJK, dana jaminan kinerja). This mandate is not implemented by the Ministry of Forestry (MoFor). So, in terms of substance, DJR was altered to DJK,

> esidential Decree No 35 of 1980 regarding DJR, the holders of forest concession were osit money to the government as guarantee for performing reforestation on their time went by, DJR at the hand of the government built up because very few sion who prformed reforestation. Furthermore, the government through the ed to DR with egarding DR cancelled the Presidential Decree No 35 of 1980 and consequences. The Presidential Decree No 31 of 1989 later, rough the Presidential Decree No 29 of 1990, the Presidential

icultural

School of For Ery IPB, Kampus IPB naga Bogor, sseedomo@gmail.com

15 Article 35 part aph (1) of Law 41 99 states "Each holder of forest utilization license as referred to in Article 27 and Tricle 29, subject to mess license fees, fees, DRs, and performance bonds". In essence, DR is government of the property of the p ress license fees, fees, DRs, and performance bonds". In essence,



Digrang The lenguage tax stumumkan Government 1991, the Presidential Decree No 40 of 1993, and finally the Presidential Decree No

The DR from 1989 to 1999 was not clear, whether or not it was the state revenue. Some are grouped into two categories, namely in the form of tax revenue and nonnon-tax revenues. During the period 1989 to 1999, DR was clearly not a ecause inclusion of DR as a non-tax revenues lately occurred through 92 of 1999. Prior to 1999 the DR was off-budget, since 1999 the fund has ints of idle money certainly made many government bureaucrats tempt cteristic of bureaucracy that tends to maximize the budget (Niskanen, arge and growing rapidly, was contested by professional foresters who nagement and political ally of Suharto, who sit in the Ministry of

b. Pengutipan tidak merugikan kepentingan yang wajar IPB. to used to use t atau seluruh karya tulis ini tanpa kepentingan pendidikan, penelitic Undang ATION
Undang royaltion
on royaltion
o minor A of our penelitia PB

rged on timber harvested from natural forests. DR rate depends on size, and logation (Table 1). Largest revenue comes from Meranti and mixed revenues am logs of ebony, natural teak fancy wood e production of those timbers is also very low. Revenue per year of DR is presented

Sp\(\frac{1}{2}\)cies \(\frac{1}{2}\)	Kalironantan-Maluku	Sumatera-Sulawesi	Papua-NT
ME anti e C	16.00	14.00	13.00
Mæd ₹	13.00	12.00	10.50
Elizany 9 3	20.00	20.00	20.00
Natural tæl©	16.00	16.00	16.00
Fally woodd	<u>a</u> 18.00	18.00	18.00
Sandal wood	18.00	18.00	19.00

ment Regulation No. 92/1999

dalam ise of land is included to generate ideas that there are other revenue sources, that can be idead for reforestation. Land lease is generally associated with mining penyusunan such about operation agricultudo Tabio mining areas need to be rehabilitated in order to make it productive for ther or not the rate of land lease is already efficient still needs to be studied further

are. 10/15 ther or not the rate of land lease is 2: Regent of reforestation fund (×1000 IDR)

The Year ::	DR	Land Rent
2057	1 359 335 810.19	
D 2008	1 643 159 304.60	
	1 455 054 128.98	169 797 334.86
n 20∰	1 721 221 417.26	162 231 506.40
D 2051	1 720 288 868.77	432 550 625.16
به ₂₀ ي	1 516 134 718.31	403 865 794.15
=======================================	DATE OF THE PARTY	

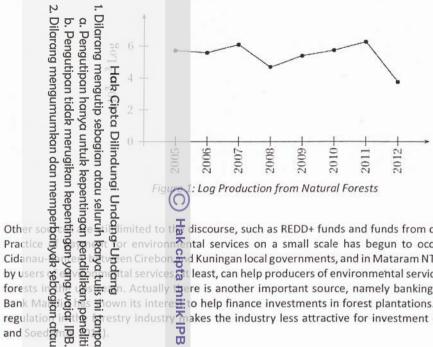
So te: Directorate General of BUK

Annual reve ue of DR tends to cline over time due to lower production of logs from natural forest. is a 1.5 trillion IDR per year. The figures in Table 2 are not always consistent with the level of time production in Figure 1 due to revenue of DR within a year does not always com from timber harvested during the year in question. Some DR received in a year may be as a paymer reagainst the outstarding DR in previous years.

18

18





imited to the environn by users seboggion regulation and Soedu seluruh

discourse, such as REDD+ funds and funds from carbon trading. tal services on a small scale has begun to occur, such as in d Kuningan local governments, and in Mataram NTB. Money paid al services at least, can help producers of environmental services to conserve n. Actually dere is another important source, namely banking. For example,

ank Mago political politic

central goern to the Fortst D
Some of the D
BPPH, Bagan I
agency design implementatio
Under magage private forces a e Dign been placed on Public Service Board-Forest Development Funding Board (BLU-an Law Ban Umum-Badan Pembiayaan Pembangunan Hutan), a financial management sign be help finance the development of plantations. BLU-BPPH must report the its activities, including financial management, to the MoFor.

especially for signal-scale farmers have a lot of resource limitations. Barriers to the HTR is also a barrier to forester funds. ogor Agricultural Universit tinjauan suatu masalah.

Under more pent of BLU-BPPH, DR is directed to assist the development of plantation, particularly private forest and HTR (forests planted by the people in the forest area). Loans to small-scale forest owners have stated running and welcomed, as is the case in Wonosobo and Blora. Loans that have been give begins with application of a farmer group. After an investigation in the field, when the application is a proved, the contract is for each farmer individually, not as a group. However, HTR development state face obstacles in the form of licensing procedures which are very complicated,

19



GHT

a. Pengutipan The state of DR was practically not audited. Since 1999, the use of DR must have been some Audit Board (BPK). A central feature of the DR during the Suharto period was that not flowing into the state treasury to be included in the annual budget of the state incorporated as a state off-budget funds managed directly by the MoFor (Ascher, . Pengutipan tidak merugikan kepentingan yang

ଦ୍ର © 07, the Minister of Forestry and the Ministry of Finance jointly issued a regulation establishment of Forest Development Account (RPH) to support the use of DR in dehabilitation. RPH initial capital was granted in September 2007 amounting to 5.0 method DR until then was administered by the Ministry of Finance.

ase monthly reports related to the position of account to the MoFor.

withdraw from the account to support the activities of forest and land do this, the oFor must submit a five-year work plan, along with a budget detailing To be do this, the MoFor must submit a five-year work plan, along with a budget detailing on the fund. Once approved, the Ministry of Finance will send funds from a company of the fund for forestry of the fund for forestry of the fund for forestry of the MoFor who is responsible for the expenditure of the fund for forestry of the MoFor with the fund for forestry of the fund forestry of the fun

ety of loans to rumber of legal entities - state or privately owned - as well as to groups es of farmers. $\overline{\mathbf{U}}$ qualify for this loan, those legal entities and cooperatives are required prest utilization (IUPHT, izin usaha pemanfaatan hasil hutan) and e field of fores . The legal entities should have not been involved in any bad activities nce. If a legal e ty fails to pay back the loan, then the debtor is subject to a penalty of processing the principal each typical sear along with its interest. For groups and cooperatives of farmers, if

the Pail to back the loan then the debtor may be sanctioned conecuvery, which would serve as a sork of sonit of the Ministry of Forestry that is responsible for forestry development expenditure. ble in financial management. Since BLU-BPI make a fair evolution of its performance.

bentuk d DERS

dev**sebagian**

related to be

Establishment but dore information dalam

AK paridin ्रञ्चाave influence and are influenced by forestry funds, particularly forestry fund in the of Dia valich is a state revenue. The fund management must be accountable to all the people, all the people, all the people, who contributed and who use it. As mentioned previously, the beneficiaries of DR in the composition of the power scale re mainly large-scale plantation companies, especially those who close to the center of the reform era, the target beneficiaries of the fund have changed slightly toward smaller gene of plantation forest

Late the is a discourse to finance the rehabilitation of natural forests, particularly in relation to plication of intensive sylviculture. According to existing rules, any investment in natural forests, the splices on of intensive sylviculture. According to existing rules, any investment in fauth at lonests, the results of the investment belongs to the government. As a result, there are no private parties who are willing to make long-term investments in natural forest land. As a way out, several parties suggested that agents who investments in natural forest land. As a way out, several parties suggested that agents who investments in intensive sylviculture are exempted from the obligation to pay DR. the results of the investment belongs to the government. As a result, there are no private parties who



CURREN

1. Dilarang mengutip s a. Pengutipan hany b. Pengutipan tidak What congrador overall gago, then Pengutipan tidak merugikan ieved by DR was not much. Although public investment of DR was quite large, the y of the land developed for HTI has failed to achieve the targets set. Several years

against the loan, which was sourced from the DR, to some companies of industrial

by the land developed for HTI has failed to achieve the targets set. Several years

and the land developed for HTI has failed to achieve the targets set. Several years

by the land developed for HTI has failed to achieve the targets set. Several years

companies the land developed for HTI has failed to achieve the targets set. Several years

companies the land developed for HTI has failed to achieve the targets set. Several years

companies the land developed for HTI has failed to achieve the targets set. Several years

companies the land developed for HTI has failed to achieve the targets set. Several years

companies the land developed for HTI has failed to achieve the targets set. Several years

companies the land developed for HTI has failed to achieve the targets set. Several years

companies the land developed for HTI has failed to achieve the targets set. Several years

companies the land developed for HTI has failed to achieve the targets set the land developed for the land develop plantation many long The number give up an with zero percent interest, but the forests in question did not materialize and been returned. Worse, there is a suggestion to abolish the loan in default.

nies that were willing to undertake rehabilitation was very little. They prefer to the think has been handed over to the government than to rehabilitate the forests and the levy rate set by the government was too low. There are sebagian get the on

The political po Indones 🖺 financia per standar per stand

often involve

hectare rulling her frights him lava squidiscant her lands are still particularly her lands are sti

who wa slow de investment, infrastrustu bentuk

one-handed earomist! All my economists say: On the one hand, on the

The same thin his pened with the individuals working in forestry-related fields in Indonesia. On the one hand they will to keep forestry funds available for investment, but on the other hand they also make for stry assautractive for investment. In the upstream, many barriers with respect to licensing that mu& be \(\begin{align*} \text{second} \) be \(\begin{align*} \t exposed to vere low timber prices due to government policies that distort the market of logs. Forestry business in Independent can be summarized as "choked in the upstream and clogged in the downstream." business in Indenesia con beauthy.
But it is pecial to remain healthy.

Identifying the nearly problem is very important because with it we can design the use of forestry funds more effective and efficiently. On land that is not forested there are certainly human activities, which case like this? To resolve conflict over tenure or to purchase seed? If there is no interference by humans, then the bare land will covered quickly by vegetation through natural succession. We do nurial conflicts. The better way to spend money from the forestry fund in a not need to wate money for placing trees as a consequence. On the one hand we let the property rights remain anclear, but on the ther hand we expect sustainability of forests is maintained. The intersection between the tree of the tre intersection bruatu masalah. ween the two pen empty set. Property rights offers incentives for long-term

21



investron B. R. Duse it protects individual against expropriation by other agents, including the state. In a paracipal production, making land rights more secure and transferable would promote incentive for investron and difficient use of resources. There are three reasons supporting this conventional view. First, sequences are believed to provide a guarantee to farmers the benefits from their investments will cerealize a them and will not be appropriated by other agents. As a result long-term investments are provided as a sequence of the control of the c believed to provide a guarantee to farmers the benefits from their investments by not be appropriated by other agents. As a result, long-term and provide a guarantee to farmers the benefits from their investments by not be appropriated by other agents. As a result, long-term and provide a guarantee to farmers the benefits from their investments are sult, long-term as an Epi not ged (Besley, 1995; Deininger and Jin, 2006). Second, capitalization of asset with the property rights is more probable. According to Feder and Onchan (1987), security of their productive property and the lender and provides the basis for using land as a collateral asset. Third, the productive resources to agriculture, rather the productive productive resources to agriculture, rather than the productive productive productive productive productive.

get their holdings against expropriation by other agents.

get their holdings against expropriation by other agents.

Is, production forest that is allocated for large scale is 43.6 million and scale is 43.6 million hectares. Does this mean that maintaining forests is in the production forest that is allocated for large scale is 43.6 million hectares. Does this mean that maintaining forests is in production forest is justice not an important element of sustainability? So, and producted should be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? There is no need to be used to fix the injustice or to plant trees? Ther

will run and be be being ally.

Sustain a lity of BR is very difficult to maintain due to the decline in the ability of natural forests to produce imber, desides the growth rate of natural forest is generally too slow. Other sources of funding the possibility of investing a part of DR in financial markets, which results in a higher trate of return with an acceptable risk, should be considered.

make log price difference between the domestic market and international market and international market and it imber, the difference can reach 220 USD per cubic meter. With the entire allowable cut of natural forests (about 9 million cubic meters) will likely between Flowable cut and actual production has the potential to generate 8 trillion IDR. The government takes half of the additional benefits, via export tax llocate the revenue to forestry fund then every year there is an additional

But there is a perisk, the destruction of natural forests. The reason is that property But there is a series ri

stage of perus grann Daerah Air Minum) and farmers in protected forests in Mataram Lombok can be a good Sam (Soedomo and Nugroho, 2009). PDAM Menang Mataram has allocated 850 million to und conservation and to provide assistance to communities and villages around the

a Sok the economy of Indonesia, particularly its fiscal policy. So far, the importance of forest is Will ling ted in a seminar room. Meanwhile, burning fossil fuel is much more important so that the governmed needs to support it by providing subsidy. Although it cannot be compared directly, the figures in a ble 3 say a lot about real attitude of the society represented by the government. State

budget allocated to subsidy for that add CO2 in the air is much larger than the one allocated to activities or segtors that potentic support CO₂ reduction from the air. In 2006, the fuel subsidy was get for environmental protection was only 2.7 trillion IDR. 64.2 trillion TR, while the

sugmangmataram.co nangmataram.co masalah.

hectare between tantament for estrying maintain

The more the foregon profitability

to expert pro-

internat<u>s</u> nal

be utilized. additional p for example

IDR in 2011 spring16 ΙZΪ

Let us tat

4 trillion DR type rights in Latural

etberita.php?index=25, Oct 14, 2013.



Environment associate pulped state budantable an imparable be Dilarang mengutip sebagian a. Pengutipan hanya untuk b. Pengutipan tidak merugil winental protection, namely MoFor and Ministry of the Environment (MoE), in total, of 1.8 trillion IDR in 2006 and 7.0 trillion IDR in 2011. Reallocation of to increase budget related to environment and forestry could of forestry fund.

m tac	Ye					Year		
Description L		(2))6	2007	2008	2009	2010	2011	2012
Fuel sugsion 3 C O	+	64.2	83.8	139.1	45.0	82.4	129.7	123.6
Env. protestion		2.7	5.0	5.3	10.7	6.6	10.1	10.6
MoForn 9-		₹1.5	1.8	3.2	2.1	3.3	5.9	6.1
MOE YOU CH		20.3	0.4	0.4	0.4	0.4	1.0	0.9

REFERENCIAL SOLUTION OF THE PROPERTY OF THE PR idikan, penelitian, penulisan ang wajar IPB.

The property rights and investment incentives: Theory and evidence from Ghana. The resource from Ethiopia.

S. 2006 Tenuer security and land-related investment: Evidence from Ethiopia.

Colomic Review, pp. 1245–1277.

The property rights and ownership security and farm investment in Thailand. American colomic Review, pp. 1245–1277.

The property rights and ownership security and farm investment in Thailand. American colomic Review, pp. 1245–1277.

The property rights and ownership security and farm investment in Thailand. American colomic Review, pp. 1245–1277.

The property rights and property righ Journa tulis Deininger

ilmiah, penyusunan Feder, G. Jour<u>o</u>al Kartodiha Dijo

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economic Review, p. 2001 poor 1997.

The peculiar economics of bureaucracy. The American Economics Poor 1997.

The peculiar economics of bureaucracy. The American Economics Poor 1997.

The peculiar economics of bureaucracy. The American Economics Poor 1997.

The peculiar economics Poor repentu. Niskanen Edv. 58(pp. 58(pp. Ross, M. Lpoor ton poor ton p

Bogor Agricultural University