



14 December 2021

Prof. Dr. Ir. M. Said, M.Sc
Vice Rector for Planning and Cooperation
Sriwijaya University
Jalan Palembang-Prabumulih, KM.32, Indralaya, Kabupaten Ogan Ilir,
Sumatera Selatan, Indonesia 30662

Dear Prof. Dr. Ir. M. Said, M.Sc,

Letter of Agreement (LoA) for Research Project entitled "Mangrove Restoration in Banyuasin Regency, South Sumatra"



The Center for International Forestry Research ("CIFOR"), in close collaboration with its partners, has submitted to Temasek Foundation International (TFI) a proposal entitled "**Mangrove Restoration in Banyuasin Regency, South Sumatra**". The proposal has now been accepted for funding, and CIFOR is pleased to grant to Center of Excellence Peatland Conservation and Productivity Improvement (CoE PLACE), Sriwijaya University, [Center's establishment number: under Universitas Sriwijaya Rector's Decree no. 0367/UN9/SK.BUK.KP/2018] ("**Subgrantee**") the sum of **IDR 456,602,414** ("**Subgrant Funds**") in accordance with the Terms of Reference described in Annex 1 of this LoA ("**Research Project**") and following terms and conditions:

1. **Terms:** The Subgrant Funds shall be administered in accordance with the terms of this LoA and the General Terms and Conditions under **Annex 2** which are incorporated by reference herein and form an integral part of this LoA. Unless defined otherwise herein, capitalised terms are defined in Annex 2 of this LoA.
2. **Duration:** The duration of this LoA is from 16 November 2021 to 16 October 2025, subject to extension or earlier termination under the General Terms and Conditions.
3. **Schedule of disbursements:** Disbursements of Subgrant Funds shall be made by CIFOR to the Subgrantee according to the schedule set forth below after receipt and approval of Subgrantee invoice by CIFOR:

Terms and Schedule	Amount (in IDR)
Upon receipt by CIFOR the signed copy of this LoA and an invoice	136,980,724
Upon submission and acceptance of 1 st and 2 nd progress reports for the period November 2021 – October 2022, 1 st and 2 nd financial reports due 15 November 2022 and an invoice	45,660,241
Upon submission and acceptance of 3 rd progress report for the period November 2022 – April 2023, 3 rd and 4 th financial reports due 15 May 2023 and an invoice	105,018,555
Upon submission and acceptance of 4 th and 5 th progress reports for the period May 2023 – April 2024, 5 th and 6 th financial reports due 15 May 2024 and an invoice	100,452,531
Upon submission and acceptance of 6 th progress report for the period May 2024 – April 2025, 7 th and 8 th financial reports due 15 May 2025 and an invoice	45,660,241
Upon submission and acceptance of final technical report for the period May 2025 – October 2025 and final financial report due 31 October 2025	22,830,122
TOTAL	456,602,414

4. **Banking details:** Payments to the Subgrantee shall be made to the following bank and account in IDR:

Payee: Center of Excellence Peatland Conservation and Productivity Improvement (CoE Place) Unsri
Account Name: RPL 014 Unsri Penerimaan BLU

Initials CIFOR: 
Initials CoE Place UNSRI: 



Account Number: 0070570115
 Bank: BNI Cabang Palembang KCP Indralaya
 Bank Postal: Jl. Raya Palembang Prabumulih KM 32 Indralaya Utara
 Address: Kabupaten Ogan Ilir Sumatera Selatan
 Sort Code: -
 SWIFT number: BNINIDJA
 IBAN: -

5. **Reporting schedule:** The Subgrantee shall provide to CIFOR written project and financial reports **along with transaction listing and receipts**, and any other information/report for monitoring and evaluation purposes as per the following schedule:

Report Type	Reporting Period	Report Due Date
1st Progress report	16 November 2021- 31 April 2022	15 May 2022
2nd Progress report	1 May 2022 - 31 October 2022	15 November 2022
3rd Progress report	1 November 2022 - 31 April 2023	15 May 2023
4th Progress report	1 May 2023 - 30 October 2023	15 November 2023
5th Progress report	1 November 2023 - 31 April 2024	15 May 2024
6th Progress report	1 May 2024 - 31 April 2025	15 May 2025
Final Technical report	1 May 2025 - 16 October 2025	31 October 2025
1st Financial report	16 November 2021 - 31 December 2021	15 January 2022
2nd Financial report	1 January 2022 - 31 October 2022	15 November 2022
3rd Financial report	1 November 2022 - 31 December 2022	15 January 2023
4th Financial report	1 January 2023 - 31 April 2023	15 May 2023
5th Financial report	1 May 2023 - 31 December 2023	15 January 2024
6th Financial report	1 January 2024 - 31 April 2024	15 May 2024
7th Financial report	1 May 2024 - 31 December 2024	15 January 2025
8th Financial report	1 January 2025 - 31 April 2025	15 May 2025
Final Financial report	1 May 2025 - 16 October 2025	31 October 2025

Reporting format: The Subgrantee will prepare the reports required under Clause 5 above in the format approved by the Principal Investigators jointly and in accordance with Temasek Foundation International (TFI) requirements.

6. **Branding and communication:** In all publication and communication materials, the Subgrantee agrees to acknowledge **Mangrove Restoration in Banyuasin Regency, South Sumatra**, Temasek Foundation International (TFI) and CIFOR, the CGIAR. CIFOR and/or its Donor reserve the right to communicate changes to its branding terms and/or guidelines from time-to-time, which shall be applicable to the Subgrantee. A copy (soft or hard) of any deliverable (publication, report, database, multi-media product, etc.) produced as a result of the Research Project shall be sent to CIFOR within thirty (30) days from the date of its publication.
7. **Authorized representatives:** The authorized representatives for **technical aspects** (“Principal Investigators”) of this LoA are:

For the Subgrantee:

Name:	Prof. Dr. Rujito Agus Suwignyo
Title:	Director of Center of Excellence Peatland Conservation and Productivity Improvement (CoE Place), Universitas Sriwijaya
Address:	Jalan Palembang-Prabumulih, Km. 32 Indralaya, Kabupaten Ogan Ilir, Sumatra Selatan, Indonesia 30662
Phone:	+62711580645/+62711580069; +62812901792986
Fax:	+62711580644
Email:	rujito@unsri.ac.id

For CIFOR:

Name:	Herry Purnomo
Title:	Scientist
Address:	Jalan CIFOR, Situ Gede Bogor 16115
Phone:	+62-251-8622622
Fax:	+62-251-8622100
Email:	h.purnomo@cgiar.org

The authorized representatives for **financial and administrative aspects** of this LoA are:

For the Subgrantee:

Name:	Dr. Yulia Saftiana
Title:	Finance Manager of CoE Place Unsri
Address:	Jalan Palembang-Prabumulih, Km. 32 Indralaya, Kabupaten Ogan Ilir, Sumatra Selatan, Indonesia 30662
Phone:	+62711580645/+62711580069; +62(811782793)
Fax:	+62711580644
Email:	ysaftiana@yahoo.com

For CIFOR:


Name:	Rogier Klaver
Title:	Team Leader, Program Management & Coordination
Address:	Jalan CIFOR, Situ Gede, Bogor Barat 16115, Indonesia
Phone:	+62-0251-8622-622
Fax:	+62-0251-8622-100
Email:	r.klaver@cgiar.org

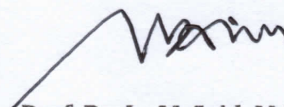
8. Language: This LoA is made in the English language.
9. This LoA may be executed in two or more counterparts and by facsimile or any electronic means, each of which shall be deemed an original but all of which together shall constitute one and the same LoA.
10. Shall the terms of this LoA are acceptable to Center of Excellence Peatland Conservation and Productivity Improvement (CoE PLACE), Sriwijaya University, CIFOR and CoE PLACE shall sign and give initial at the bottom of every page of this LoA and send to CIFOR a copy, for the attention of Herry Purnomo. For an e-copy, it can be emailed to Made Dwi Astuti (m.astuti@cgiar.org) and Sonya Dyah (s.dyah@cgiar.org).
11. Annexes of this LoA consist of: Annex 1: Research Project, Annex 2: General Terms and Conditions (December 2020), and Annex 3: Partner's Financial Reporting Template.
12. The terms and conditions of this LoA including all its annexes referred to herein are hereby accepted by Center of Excellence Peatland Conservation and Productivity Improvement (CoE PLACE), Sriwijaya University through its authorized representative.

CIFOR,





Robert Nasi
Director General

 Sriwijaya University,



Prof. Dr. Ir. M. Said, M.Sc
Vice Rector for Planning and Cooperation
Sriwijaya University

Initials CIFOR: 
Initials CoE Place UNSR: 

ANNEX 1: RESEARCH PROJECT

Background

Indonesia has about 3 million hectares of mangrove forest growing along its 95,000 km coastline and accounts for 23 percent of all global mangrove ecosystems. Mangrove ecosystems are important in terms of carbon stocks, biodiversity and livelihoods for communities. A hectare of mangrove can store 3-4 times more carbon compared to terrestrial forests. Across Indonesia in the last three decades, about 40% of the original mangroves have been lost, leading to significant annual greenhouse gas emissions.

In South Sumatra province mangrove ecosystems are found along its eastern coast. The South Sumatra mangrove ecosystem occurs in two regencies, Banyuasin and Ogan Komering Ilir (OKI). Within South Sumatra province, mangrove coverage has declined from about 210,000 ha in 1990 to 176,000 ha in 2019. There are significant concerns about this mangrove ecosystem, including decreasing coverage (Indica et al. 2011, Theresia et al. 2015), lack of knowledge and awareness of mangrove ecosystems amongst community members, conflict of interest among various stakeholders, and underrepresentation of local wisdom in local regulation (Theresia et al. 2015). It is recommended that the strategy for mangrove management will empower local communities

A review of 114 news articles from 14 national websites and local newspapers during 2010-2020 indicated that the most frequently discussed issue was on commodities related to mangroves in South Sumatra Province and Banyuasin District. Issues related to mangroves were centralized in two areas: Sembilang National Park and the Special Economic Zone (Kawasan Ekonomi Khusus) Tanjung Api-Api, formerly known as Sungsang area and both areas are in Banyuasin Regency. The Banyuasin Regency stretches about 1.2 million ha and contains about 130,000 ha of mangroves outside and within the Sembilang National Park. From 2014 to 2019, about 10,000 ha of mangroves have been lost. Mangroves continue to be degraded due to illegal wood harvesting, conversion of land for agriculture and aquaculture production, and livelihood pressures, as communities are heavily dependent on farming and fishing.

CIFOR and partners (Forum Daerah Aliran Sungai Sumatera Selatan (Forum DAS Sumsel)) and Sriwijaya University) undertakes 'Action Research to Enhance Community-based Business Model for Mangrove Restoration in South Sumatra' to develop locally accepted and sustainable business models, which eventually allow communities to generate sustainable income from mangrove restoration and usage in a pilot area in South Sumatra Province. The specific objectives of the project are to pilot and establish a community-based business model to improve community livelihoods and foster mangrove restoration in Banyuasin Regency and to establish appropriate policies and frameworks that are in place at all levels for stakeholders to implement and replicate business models and mangrove restoration in South Sumatra

Objectives

The specific objectives of the project are as follows:

[1]: To pilot and establish a community-based business model to improve community livelihoods and foster mangrove restoration in Banyuasin Regency;

[2]: To establish appropriate policies and frameworks that are in place at all levels for stakeholders to implement and replicate business models and mangrove restoration in South Sumatra.

[3]: To build a baseline of knowledge in Banyuasin Regency through conducting baseline studies on the community, livelihood practices, key stakeholders, financial and economy studies.

To work on the mangrove restoration activities on site level, CIFOR is partnered with University of Sriwijaya. The university is the largest state-owned university in South Sumatra. The research team at University of Sriwijaya has experienced in various project related to mangrove, including restoration in the conservation area within Banyuasin regency that produced the technical guidance documents. The expertises and experiences of University of Sriwijaya research team will be very valuable to strengthen implementation on the ground towards successful community-based mangrove restoration activities.

CIFOR collaboration with University of Sriwijaya is focusing on these following activities:

1) Work Package 1 - Participatory Action Research

University of Sriwijaya to contribute to implement the community-based mangrove restoration in 50 ha, includes:

1. Identifying mangrove species and specific location for restoration
2. Designing and engineering of mangrove landscape restoration
3. Developing nursery
4. Planting
5. Maintaining, replanting, and enrichment planting
6. Monitoring and improving

2) Work Package 2 - Local Policy and Work Package 3 - National and International Platforms

University of Sriwijaya to participate in the key events of dissemination, policy advocacy and capacity building activities at village, sub-national, national, and international level.

3) Work Package 4 - Project Management

University of Sriwijaya to participate in the key meetings during the project such as internal project meeting, kick-off meeting, annual meeting, and exit and closing strategy.

Work Plan & Deliverables

Period/ Timetable	Activities	Deliverables	Deadline for deliverables
16 November 2021 - 31 October 2022	<p>Work Package 1 - Participatory Action Research</p> <ul style="list-style-type: none"> - Identifying mangrove species and specific location for restoration - Designing and engineering of mangrove landscape restoration - Developing nursery - Planting 	<p>1st Progress report contains:</p> <ol style="list-style-type: none"> 1) Mangrove species 2) Biophysical baseline information of selected location for restoration 3) Design of mangrove landscape engineering for restoration <p>2nd Progress report contains:</p> <ol style="list-style-type: none"> 1) Nursery development 2) Planting progress (location of planting, number of seedlings planted, growth, mortality/survival rates, disturbance etc.) 	<p>15 May 2022</p> <p>15 Nov 2022</p>
1 November 2022 - 31 April 2023	<p>Work Package 1 - Participatory Action Research</p> <ul style="list-style-type: none"> - Planting, - Maintaining, replanting, and enrichment planting - Monitoring and improving 	<p>3rd Progress report</p> <p>Progress of planting, maintenance, replanting, and enrichment planting (location of planting, number of seedlings planted, growth, mortality/survival rates, disturbance etc.)</p>	<p>15 May 2023</p>

Initials CIFOR:

Initials CoE Place UNSRI:



<p>1 May 2023 – 31 April 2024</p>	<p>Work Package 1 – Participatory Action Research</p> <ul style="list-style-type: none"> - Maintaining, replanting, and enrichment planting - Monitoring and improving 	<p>4th Progress report</p> <p>5th Progress report</p> <p>The 4th and 5th progress report contains: Progress of maintenance, replanting, and enrichment planting (location of planting, number of seedlings planted, growth, mortality/survival rates, disturbance etc.)</p>	<p>15 Nov 2023</p> <p>15 May 2024</p>
<p>1 May 2024 – 31 April 2025</p>	<p>Work Package 1 – Participatory Action Research</p> <ul style="list-style-type: none"> - Maintaining, replanting, and enrichment planting - Monitoring and improving 	<p>6th Progress report</p> <p>Progress of maintenance, replanting, and enrichment planting (location of planting, number of seedlings planted, growth, mortality/survival rates, disturbance etc.)</p>	<p>15 May 2025</p>
<p>1 May 2025 – 16 Oct 2025</p>	<p>Work Package 1 – Participatory Action Research</p> <ul style="list-style-type: none"> - Maintaining, replanting, and enrichment planting - Monitoring and improving 	<p>Final report</p> <p>Report of progress and milestone of maintenance, replanting, and enrichment planting (location of planting, number of seedlings planted, growth, mortality/survival rates, disturbance etc.)</p>	<p>31 Oct 2025</p>

Project Cost

Budget line	Description	Unit	No. Unit	Amount per unit (IDR)	Total (IDR)
A. Personnel Expenditure	Scientists:				
	1. Lead scientist: Prof. Dr. Rujito Agus Suwignyo, field: Agronomist, Agrosilvofishery based restoration specialist	person-month	8	10,122,322	80,978,576
	2. Scientist 1: Dr. Erizal Sodikin, field: Agroecologist, Paludiculture and swampland restoration specialist	person-month	8	7,083,500	56,668,000
	3. Scientist 2: Tengku Zia Ulqodry, Ph.D, field: Mangrove physiology and bioecology, GIS and area mapping	person-month	8	7,083,500	56,668,000
	4. Scientist 3: Dr. Sarno, field: Biology of mangrove, Mangrove restoration specialist	person-month	8	7,083,500	56,668,000
	5. Scientist 4: Dr. Dessy Adriani, field: Agricultural Economist, Community based research specialist	person-month	8	7,083,500	56,668,000
	Supporting staff:				
Dr. Irmawati	person-month	8	2,025,881	16,207,048	
B. Travel	Local transportation - Car Rent to Location (4 Year x 12 times visited)	package	48	826,408	39,667,600
	Local Accomodation Rent (Home rent 4 years x 12 times x 2 day)	package	96	295,146	28,334,000
	Perdiem (4 years x 12 times x 3 hari x 2 Researcher)	package	288	80,673	23,233,880
				Total	415,093,103
				Overhead cost (10%)	41,509,310
				GRANT TOTAL (in IDR)	456,602,414

Notes:

- The sub-grant covers professional and operational fee for partner to carried out the given tasks.
- Procurement for materials such as seedlings, planting materials, and nursery establishment will be carried out by CIFOR.
- This sub-grant does not include participation of partner as resource-person, moderator, trainer, or other related roles. Their participation will be professionally remunerated.

Initials CIFOR: 
Initials CoE Place UNSRI: 

ANNEX 2: GENERAL TERMS AND CONDITIONS
December 2020

Initials CIFOR: *RW*
Initials CoE Place UNSRI: *ru*

ANNEX 3: PARTNER'S FINANCIAL REPORTING TEMPLATE

FINANCIAL REPORT

Project title :
 Project code :
 Institution/Organization :
 Contract amount :
 Contract period :
 Reporting period :
 Reporting currency : IDR

Budget Items	(A) Agreed Budget	(B) Expenditures			(C) = (A) - (B) Budget Balance	(D) = (B) / (A) Budget used in %
		Prior Period	Current Period	Total		
TOTAL	-	-	-	-	-	-

<u>Cash position</u>	
-	Amount
-	Currency
	<i>(IDR)</i>
<u>Cash receipts</u>	
<i>(date-dd,mm,yy)</i>	Xx
<i>(date-dd,mm,yy)</i>	Xx
Total cash receipt	Xx
<u>Expenditures</u>	
Prior period <i>(date-dd,mm,yy)</i>	Xx
Current period <i>(date-dd,mm,yy)</i>	Xx
Total expenditures	Xx
<u>Cash balance</u>	<u>Xx</u>

I certify that all the amounts detailed above have been actually and necessarily expended under the terms and conditions of the relevant Letter of Agreement.

Signed : _____
(name)

Position Held : *title*

Date : *(date-dd,mm,yy)*

Initials CIFOR: *RW*
 Initials CoE Place UNSRI: *uu*