







Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia)

2021 January

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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25	26	27	28	29	30	31

1 : New Year









Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia)

2021 February

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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12 : Chinese New Year









Rainforest transformation had strong negative impact to biodiversity. In the oil palm and rubber plantations, an overall strong decrease in local diversity of plants, bacteria, fungi, protists, soil and canopy invertebrates as well as vertebrates was recorded. Important ecological functions including tree biomass, litter decomposition, root health, microbial activity and biomass were significantly reduced in monoculture plantations.



Interception installation (A03) in PTPN VI. © Christian Stiegler



В





Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia)

2021 March

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11: Ascension of the Prophet Muhammad12: Collective leave for Ascension of the Prophet Muhammad14: Bali's Day of Silence and Hindu New Year







Rubber and oil palm plantation are considered the two most important income sources for the population in rural Jambi. Comparing the economic effects of rubber and oil palm in the smallholder sector, rubber led to higher profits per unit area than oil palm when a lot of family labour is used. However, rubber was much more labourintensive than oil palm, so that the return per unit labour cost was higher in oil palm cultivation. The representative data from smallholder farm households in Jambi showed that oil palm was more profitable than rubber and households that cultivated oil palm had higher incomes and enjoyed higher living standards than households that had not adopted the oil palm crop.



Dr. Aiyen Tjoa (Z01) and Dr. Jochen Drescher (Z02) conducted a meeting at PTPN VI Batanghari. © Yuking Linatra



Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia)

2021 April

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2 : Good Friday





DATABASE traits and species

Ecotaxonomy Database



Murcia trimaculata. © R. Penttinen



V Lenticuli

he Ecotaxtonomy database is an open cloud platform developed to integrate ecological research with taxonomic knowledge and expertise. It is a repository for functional traits, character identification and morphospecies. In our virtual research enviroment, we link individual organisms to enviromental conditions and functional traits. Personal ecological projects can be customized in the system, facilitating collaborative synergies of researchers worldwide.

More Information : http://ecotaconomy.org/



Oribatida © R. A. Norton



Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia)

2021 May

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31						
1: Internation	al Labor Day			13. Fid Al-Fitr a	nd Ascension Day o	f lesus Christ

1: International Labor Day

12, 14, 17, 18: Eid Al-Fitr and Collective leave for Eid Al-Fitr

13: Eid Al-Fitr and Ascension Day of Jesus Christ26: Vesak Day (Buddha Day)





WELCOME TO THE WEBGIS OF CRC 990



Title: RapidEye of Bukit Duabelas and Harapan landscapes © Dian Melati

he EFForTS-WebGIS is a platform for exchanging spatial data among other CRC 990 researchers, for visualizing spatial data and to create maps which can be shared within the research groups or made publicly available. With the new service we hope to provide an easy to use platform also for "non-GIS" experts to work with spatial data, to increase the data consistency of the CRC 990 subprojects and to facilitate cooperation by visualizing where we work and what is observed.

More information: http://efforts-webgis.uni-goettingen.de/

Title: NDVI for Harapan Rainforest © Dian Melati

WebGIS Database



Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia)

2021 June

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1: Pancasila Day





Generation BioSounds

BioSounds Database

B ioSounds is a tool for generating, analyzing and tagging animal sound spectrograms on the web. It is an ecoacoustics platform of the EFForTS project (CRC 990). The researchers have round the clock recordings for a whole year's time from the following locations: secondary forest, jungle rubber, rubber and oil palm plantations, as well as primary and secondary swamp forest and bush swamp. The birds need to be identified in a subset of the data.

More information: https://soundefforts.uni-goettingen.de/biosounds/





Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia)

2021 July

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20: Eid Al-Adha







he Access and Benefit-Sharing (ABS) strategy of EFForTS is based on three pillars:

- 1. Short-term research grants for counterparts and stakeholders (108 grants so far) & Research grants for early career researchers (13 grants so far);
- 2. Capacity building workshops (Identification of soil fauna, Identification of plants, Methods in Bioclimatology); and
- 3. Research infrastructure (Research station at PT Humusindo, Field laboratory at TNBD, Herbarium at UNJA).

ABS Fund (Access Benefit Sharing) Nagoya Protocol

*108 ABS Grants (2014-2019)





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2021 August

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10: Muharram/Islamic New Year

17: Indonesia Independence Day





FForTS carried out various social networking activities and agricultural extension services in Jambi. The social networking activities were held to inform the EFForTS research activities and major finding of the research to stakeholders close to the research plots. While the agricultural extension activities aimed to improve the knowledge of farmers who are living near the EFForTS research plots on sustainability farming and entrepreneurship.





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MoU signing ceremony between the Indonesian Consortium of CRC 990-EFForTS and PT. Berkat Sawit Utama (PT. BSU). © Asmadi Saad

RC 990-EFForTS works in close cooperation with national park, state and private companies as well as Indonesian governmental organizations since 2012. Cooperation with national park, state and private companies:

- PT. Perkebunan Nusantara VI (PTPN VI)
- PT. Humusindo Makmur Sejati
- PT. REKI Harapan Rainforest
- National Park Bukit Duabelas (Taman Nasional Bukit Duabelas, TNBD)
- PT. Berkat Sawit Utama (PT. BSU)

Cooperation with Govermental organizations:

- Indonesian Institute of Science (LIPI)
- Meteorogical, Climatological, and Geophysical Agency (BMKG)
- · Jambi Local Govermental Bodies

Supporting institutions

PT. Humusindo Makmur Sejati











BERKAT SAWIT UTAMA





Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia)

2021 October

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19: The Prophet Muhammad's Birthday







he evaluation of the Collaborative Research Center 990 EFForTS was carried out between 17 and 19 September 2019 by a team of internationally recognized scientific experts under the guidance of the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG) at the University of Göttingen. On September 17, the review panelists visited our field sites in Indonesia virtually by means of interactive touchscreens. The evaluation continued with presentations and a poster session on September 18 and ended with a plenary discussion on September 19. Participants from Göttingen were principal investigators, doctoral/postdoctoral researchers and representatives of the university management. From the Indonesian side, about 34 counterparts, stakeholders (Kemenristekdikti and Indonesian Embassy) and rectors of the partner universities participated.



DFG review. © Sunny Reetz



Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia)

2021 November

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FForTS aims at providing science-based knowledge (for decision making) regarding nature conservation, more sustainable land use and human well-being in the context of rapid transformation in the tropical lowlands. One way to make EFForTS knowledge available to society is through formal education. The aims of the PR Project are to i) qualify teacher educators of secondary education for teaching EFForTS objects, ii) develop and formatively evaluate didactically reconstructed EFForTS objects (EFForTS education), iii) implement EFForTS education including Open Educational Resources (OER) into Indonesian teacher education, summatively evaluate the effects and disseminate EFForTS education.





Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia)

2021 December

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24, 27: Collective leave for Christmas holidays 25: Christmas Day



