

ICC's Program on Climate Change Mitigation & Adaptation

Technical Workshop on Climate Change

Bogor, 3-5 August 2022





International Coconut Community

International Coconut Community (ICC)

an intergovernmental organization of coconut producing countries organized in 1969 under the aegis of the United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP)





ICC currently has 20 coconut producing member countries accounting for over 90 percent of world coconut production and exports of coconut products. The ICC member countries include:

Membership



Membership to the Community is open to all coconut producing countries, with the unanimous consent of the existing members and by acceding to the agreement establishing the Coconut Community.



The tree of Life



Coconut Husk (Mesocarp)

- coco pith, coco fiber
- Biodegradable pots, geotextile
- Complex furniture
- Floor mats, wall & door panels
- Rope, strings, brushes
- Fishing nets
- Automotive dashboards
- fuel, buff floors, mosquito repellent

Coconut Shell (Endocarp)

- Charcoal:
- Activated Carbon
- Charcoal Briquettes:
- Barbeque, shisha/Hookah alternative bioenergy
- Mosquito repellent

Coconut Trunk



- Durable Furniture
- Houses
- Drums
- Containers
- Canoes

Coconut Water

- Refreshing drink
- Nata de coco



Coconut Root



- Dye
- Mouthwash

Coconut Meat (Kernel)

- Coconut oil: oleochemical
- Virgin coconut oil (VCO)
- Coconut milk
- White & Edible copra
- Coconut flour
- Desiccated Coconut (DC)
- Biscuit

Coconut Leaves



- Book cover
- Broom
- Baskets + mats
- Cooking skewers
- Kindling
- Roofing

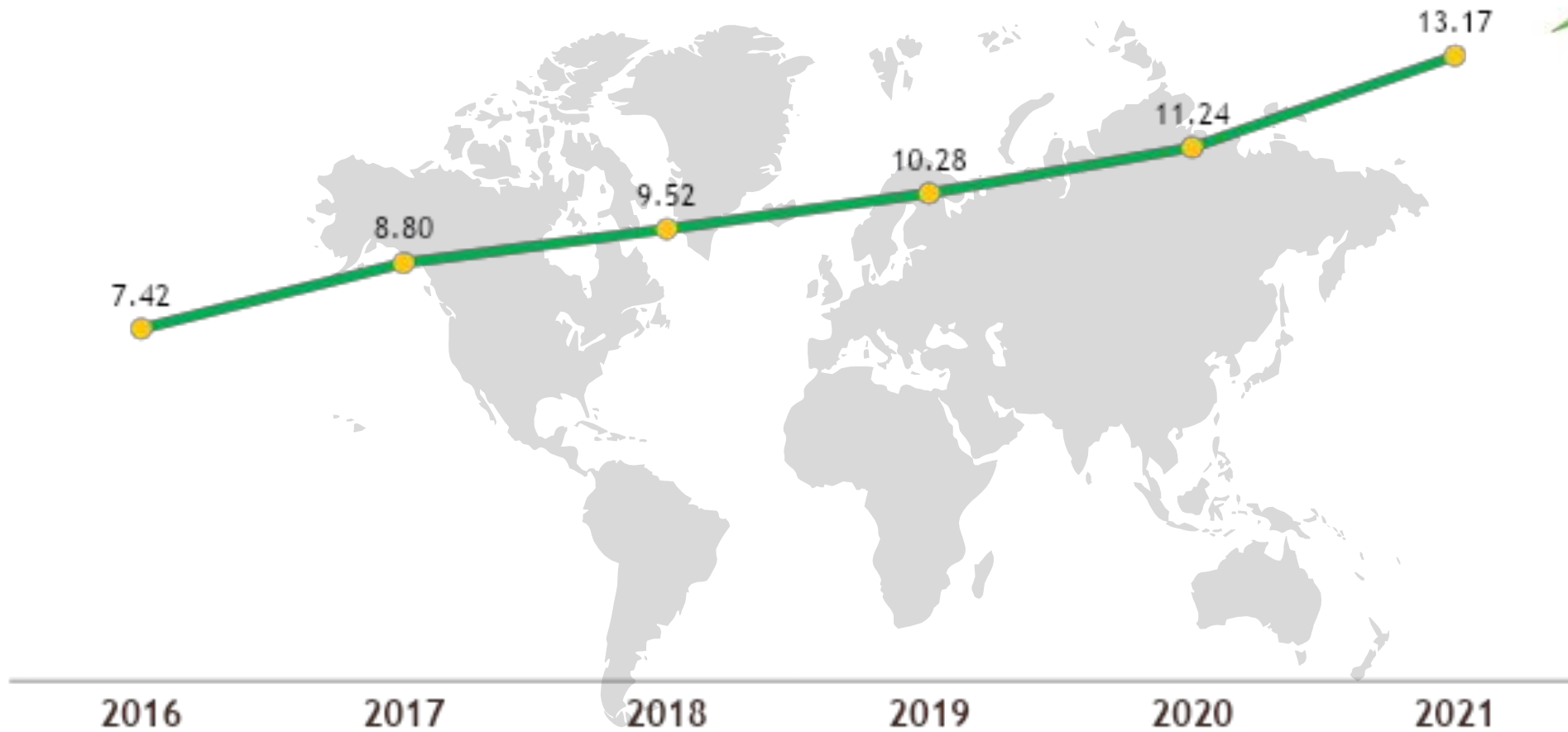
Coconut Inflorescence



- Sugar
- wine,
- candy,
- syrup



Global Export Trend (million MT)

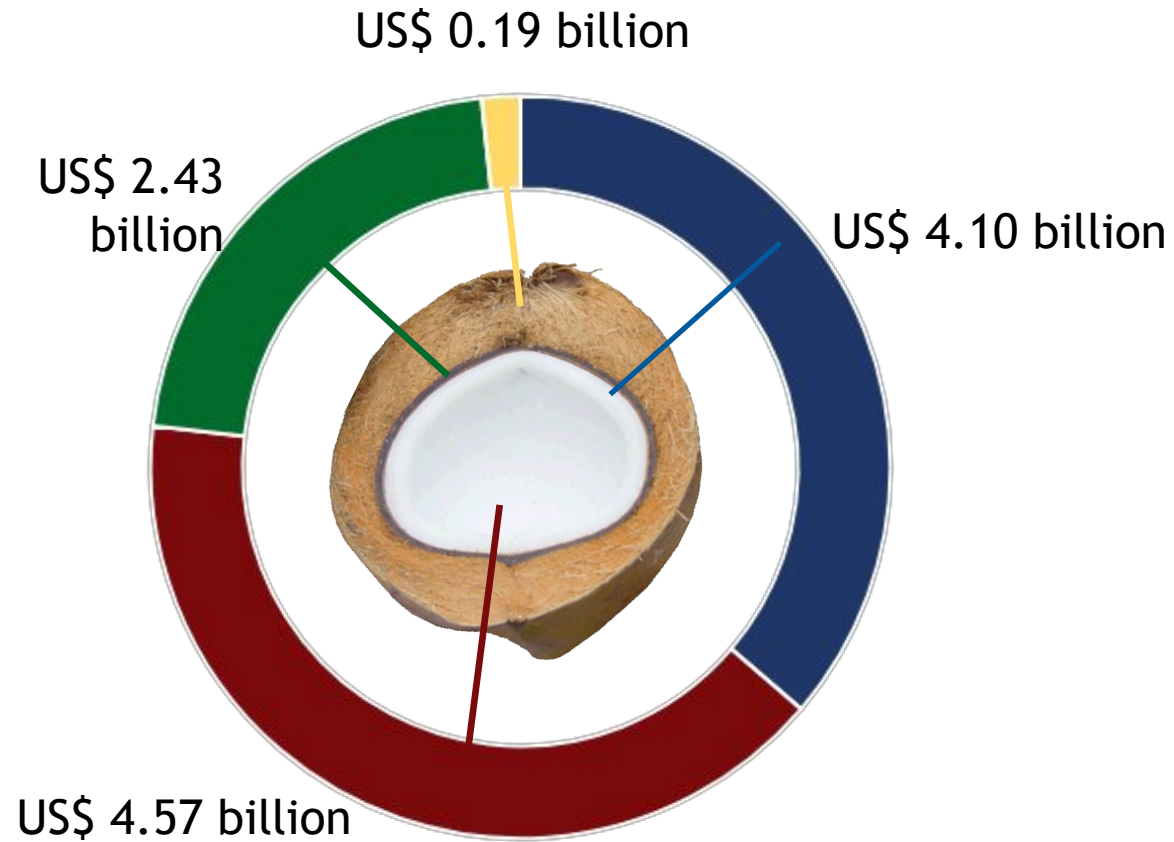




Global Export Value 2021



Total Export Value:
USD 13.18 billion



Forecasters are predicting that total global coconut value will be at USD 31.2 Billion by 2026

Climate Change Mitigation & Adaptation Program





50th INTERNATIONAL COCOTECH

Conference & Exhibition



Climate Change Adaptation and Mitigation Strategy
for a Resilient and Sustainable Coconut Agroindustry



KUALA LUMPUR CONVENTION CENTER,
MALAYSIA

CONFERENCE

EXHIBITION

BUSINESS MATCHING & NETWORKING

WITH COCONUT PRODUCERS, EXPORTERS, AND IMPORTERS

FIELD TRIP

PILOT PROJECT FOR SMART IRRIGATION SYSTEM AT PAGOH AGRICULTURE CENTER, JOHOR

NOVEMBER

7-11

2022

ORGANIZER



MORE INFORMATION & REGISTRATION

WWW.COCOTECH.COCONUTCOMMUNITY.ORG





Providing adaptive technical and policy guidance



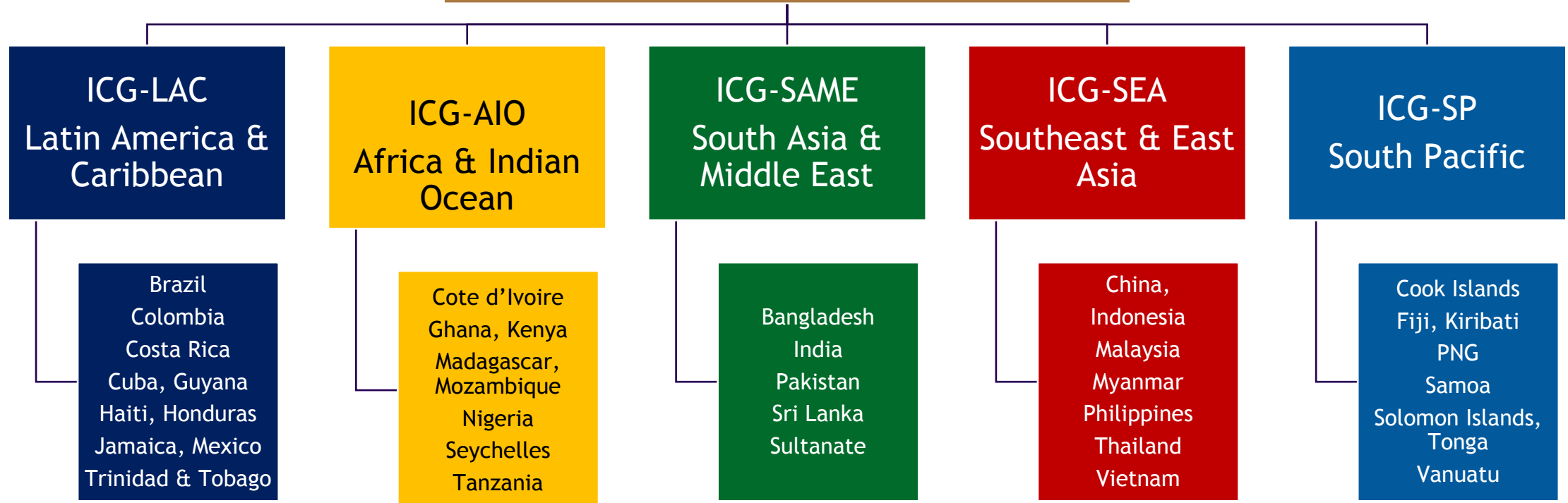


International Coconut Genebanks (ICGs)

FAO/ITPGRFA - ICC/COGENT

Host Countries

(Brazil, Cote d'Ivoire, India, Indonesia, PNG)





13 CLIMATE ACTION



- Coconut contributes toward improving the above & below ground carbon stock, thus contributing to reduce GHG emission
- Polyculture planting system increase biodiversity & demonstrate carbon sequestration



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Carbon Sequestration and Productivity Potential of Coconut (*Cocos nucifera* L.) Hybrids and Varieties under Coastal Eco-System of Maharashtra

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Coconut Oil as Feedstock of Sustainable Aviation Fuel (SAF) Addressing global issues on non-renewable energy

- Hydrocarbon of coconut oil is suitable for making SAF (kerosene)
- Coconut oil (CNO) & Palm Kernel Oil (PKO) contain high percentage of C6-C16, that are suitable for making SAF



Coconut oil & PKO
C6-C16: Kerosene (jet fuel)

Oil Types	Hydrocarbon (carbon-chain)										
	C8	C10	C12	C14	C16	C18	C18:1	C18:2	C18:3	C20	C22
Coconut	8	7	48	17	9	7	2	1			
Palm Kernel	4	5	50	15	7	1	15	2			
Palm				2	42	5	41	10			
Tallow				4	30	19	40	5	1		
Soya					8	4	28	53	6		
Rapeseed (low)					4		54	28	8	2	3
Sunflower					6	4	28	61		1	

Coconut charcoal, co-product of coconut oil production, is a clean cook stoves fuel sources; heating value of 7,200 kcal/kg



- Coconut shell-based charcoal could replace wood-based charcoal that potentially prevent deforestation. No trees are felled in making coconut charcoal
- Coconut husk-based products can replace plastic-based products. So, it contributes to address global issue of non-degradable materials/climate change





Networks & Collaboration





Vinaka

cảm ơn bạn

धन्यवाद

Terima kasih

Gratias tibi

Asante

Ko rab'a

Komṃṃool

Kalahngan

Tenk yu

Salamat

Fa'afetai

Tanggio

நன்றி

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Obrigadu

Mālō 'aupito

Tangkyu

Thank you