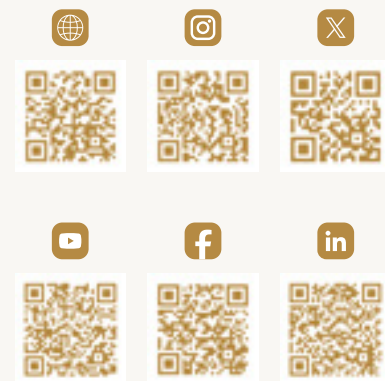
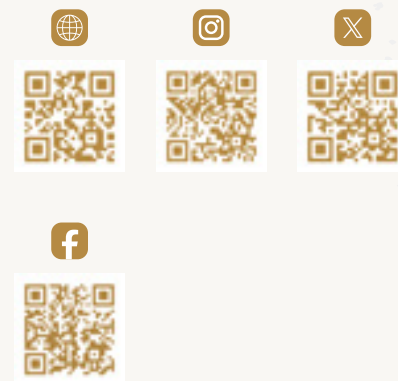
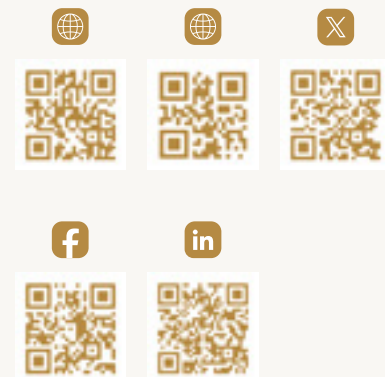


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GLOBAL BIOCHAR EXCHANGE 2025



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About IBI



IBIは、2006年7月にペンシルベニア州フィラデルフィアで開催された世界土壌科学会議 (WSSC) のサイドミーティングで結成されました。ミーティングでは、世界中の個人や学術機関、商業ベンチャー、投資銀行、非政府組織、連邦政府機関の代表者、政策分野の代表者が、バイオ炭生産の有望な技術の研究、開発、実証、展開 (RDD&D)、および商業化を促進するという共通の関心を認識しました。

IBI was formed in July 2006 at a side meeting held at the World Soil Science Congress (WSSC) in Philadelphia, PA. During the meeting, global individuals and representatives from academic institutions, commercial ventures, investment bankers, non-governmental organizations, federal agency representatives, and the policy arena acknowledged a common interest to promote the research, development, demonstration, deployment (RDD&D) and commercialization of the promising technology of biochar production.

About TOWING



名古屋大学発のスタートアップとして発足したTOWINGは、通常畑で3~5年かかる土づくりをわずか約1か月で可能にする、植物の炭等のバイオ炭（多孔体）に微生物を付加し、有機質肥料を混ぜ合わせて管理した人工土壌の技術

「高機能ソイル技術」を活用した、高機能バイオ炭「宙炭（そらたん）」を開発・販売しています。

TOWING独自のバイオ炭の前処理技術、微生物培養等に係る技術を、国立研究開発法人農業・食品産業技術総合研究機構が開発した技術と融合し、実用化しました。この技術を活用し、宇宙農業実現に向けた活動・研究も活発化しています。

TOWING, which was established as a startup from Nagoya University, develops and sells high-performance biochar "Soratan" using "high-performance soil technology," an artificial soil technology that adds microorganisms to biochar (porous body) such as plant charcoal and mixes it with organic fertilizer to create soil that usually takes 3 to 5 years in a field, in just about one month. TOWING's unique biochar pretreatment technology and microbial culture technology have been combined with technology developed by the National Agriculture and Food Research Organization to put it into practical use. Using this technology, activities and research toward realizing space agriculture are also becoming more active.

About "GLOBAL BIOCHAR EXCHANGE 2025"

GLOBAL BIOCHAR EXCHANGE 2025

本カンファレンスでは、バイオ炭を起点とした持続可能な循環型社会の実現に向けた、グローバルな取り組みや最先端の研究について共有するセッションを予定しております。アジア地域のバイオ炭コミュニティと世界の関連業界との結びつきを一層深めることで、地域とグローバル双方での知見の交換を促進し、新たなネットワーキングの機会にして頂ければ幸いです。

This conference will feature sessions on global initiatives and cutting-edge research dedicated to advancing a sustainable circular society through biochar innovation.

By fostering stronger connections between the biochar community in Asia and related industries worldwide, we aim to enhance knowledge exchange on both regional and global levels, providing participants with valuable new networking opportunities.

バイオ炭関連産業の活性化 Energizing the Biochar Industry

国内外の有識者が集い、意見交換 (Exchange) を通じて新たな価値創出を目指す場。

An opportunity for domestic and international experts to come together and create new value through knowledge exchange.

アジアにおける持続可能な取り組みの発信 Sharing the sustainable practice in Asia

日本をはじめとするアジアにおける最新のバイオ炭関連の取り組みを紹介。

Sharing the latest biochar-related practices and activities from Japan and the Asia region.

グローバルマーケットの架け橋 Bridging Asian and Global Markets

日本開催を通じて、アジアと北米の市場を繋ぎきっかけを創出。

Creating opportunities to connect Asian and North American markets through hosting events in Japan.

About STATION Ai

STATION Ai は、名古屋鶴舞にある国内最大級のオープンイノベーション拠点です。

スタートアップ企業の創出育成およびオープンイノベーションの促進を目的に様々な支援サービスを提供しています。700社を超える国内外のスタートアップ企業、パートナー企業、VC等の支援機関や大学等がSTATION Aiに参画し新規事業創出に取り組んでいます。

また、STATION Aiには、スタートアップをはじめとする新規事業創出に取り組む人々のためのオフィス、フィットネスジム、テックラボに加え、一般の方も利用可能なカフェ・レストラン、ホテル、イベントスペース、あいち創業館が併設されています。

STATION Ai is one of Japan's largest open innovation hubs, located in Tsurumai, Nagoya. It offers a wide range of support services aimed at fostering and nurturing startups and promoting open innovation. More than 700 domestic and international startups, partner companies, venture capital firms, support organizations, and universities participate in STATION Ai, working together to create new business ventures.

In addition, STATION Ai features offices for those engaged in new business creation (such as startups), a fitness gym, a tech lab, as well as a café-restaurant, hotel, event space, and the Aichi Sougyokan—many of which are also open to the general public.



STATION Ai

〒466-0064

愛知県名古屋市長和区鶴舞1丁目2-32
1-2-32 Tsurumai Showa-ku, Nagoya-shi,
Aichi-ken 466-0064



Timetable

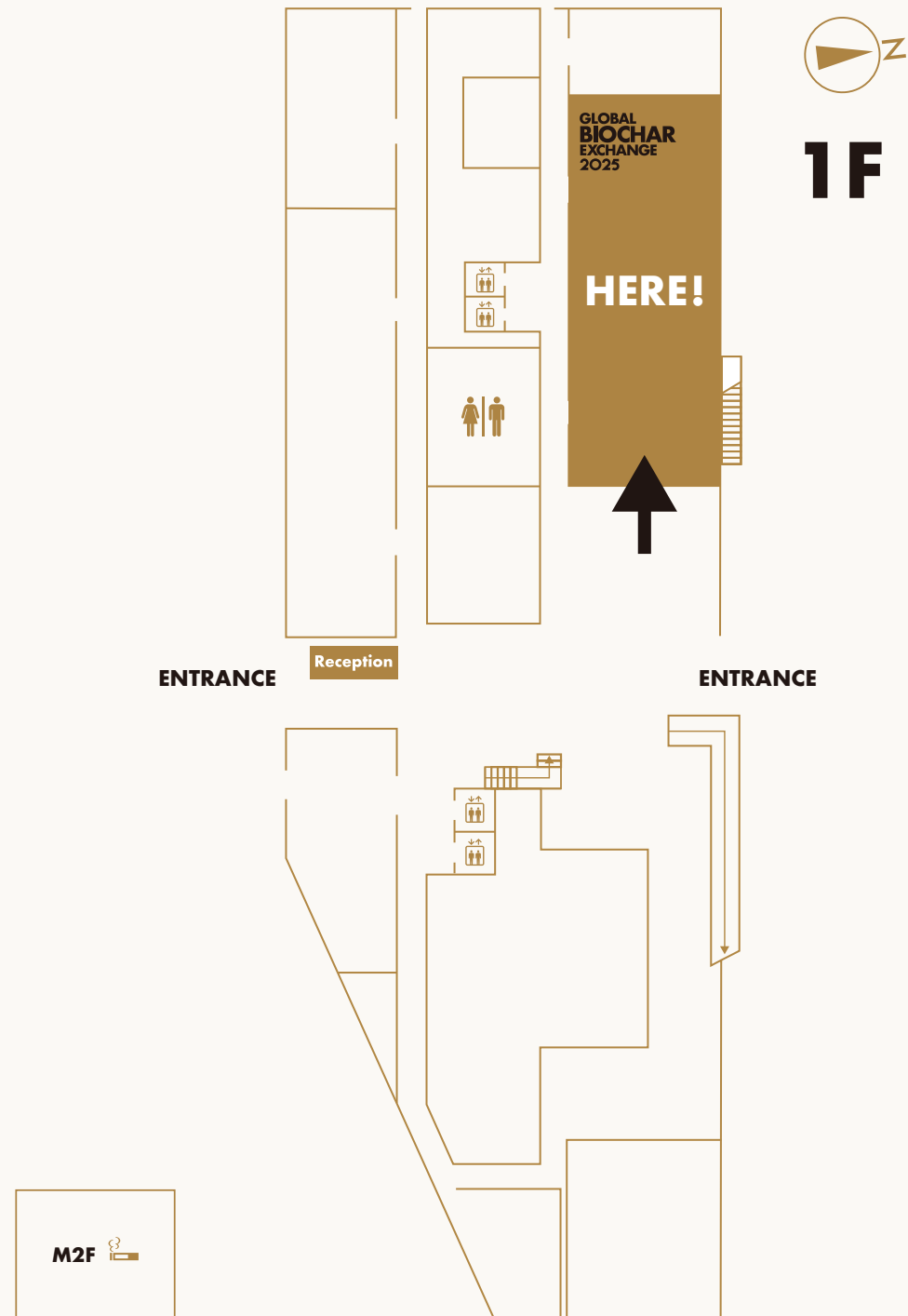
4/22 DAY 1

9:00	
10:00	10:00~ Opening Luisa Marin, Masahiro Miyazako
11:00	10:35~ Main Session #1 Biochar Circularity Harn Wei Kua, Tetsuya Saito, Shunsuke Kimura, Takuto Nagata
12:00	11:45~ Networking & Lunch
13:00	12:35~ Main Session #2 Biochar in Agriculture Michael Kaiser, Hailong Wang, Atsushi Takagi, Christine Gemperle, Sharol Marcec
14:00	14:25~ Networking & Break
15:00	14:45~ Sub Session #1 Research Pitch Ryoya Nishida, Haibo Xu, Andre Freire Cruz, Shinjiro Sato
16:00	15:45~ Short Break
17:00	15:55~ Sub Session #2 Producers' Insight Stephen Joseph, Samret Raungrit, Sakprayut Sinthupinyo, Mike Warner
18:00	17:10~ Layout Change
19:00	17:30~ Networking & Dinner

4/23 DAY 2

9:00	9:00~ Opening Toshinaru Fujii
10:00	9:20~ Sub Session #3 Sponsors' Speech Kwangyul Peck
11:00	9:50~ Main Session #3 Carbon Credit Ueli Steiner, Alvin Lee, David Armstrong, Shigeto Sudo, Tommy Ricketts
12:00	11:30~ Networking & Break
13:00	12:00~ Main Session #3 Carbon Credit Jack Benetto, Courtney Fay, Patrick Bürgi, Luisa Marin
14:00	13:20~ Networking & Lunch
15:00	14:10~ Main Session #4 Carbon Insetting Jorge Larranaga, Akinori Nakamura, Tsubasa Tamura
16:00	15:10~ Networking & Break
17:00	15:40~ Main Session #4 Carbon Insetting Masashi Miyajima, Chisa Ogura, Tommy Sekiguchi, Daniel van Wasseem, Johann Pozzi, Tadashi Kobayashi
18:00	16:50~ Closing Kohei Nishida
19:00	

Floor map



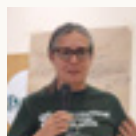
Booth map



Agenda DAY 1 22th, April

Opening

10:00 ~ Opening Remarks



Luisa Marin

International Biochar Initiative
Executive Director

10:10 ~ MAFF's initiative to achieve net zero GHG emissions for sustainable food systems



Masahiro Miyazako

Tokai Regional Agricultural Administration Office,
Ministry of Agriculture,
Forestry and Fisheries Director for Sustainable Food Systems Strategy

10:35 ~ Biochar's contribution to Circularity



Harn Wei Kua

National University of Singapore
Dean's Chair Associate Professor

10:55 ~ International trend of biochar- especially in Asia



Tetsuya Saito

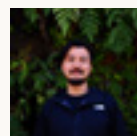
Nippon Koei Co., Ltd.
Manager

11:15 ~ Creating circularity by Microbial Immobilized Biochar - experience in Japan and Global



Shunsuke Kimura

TOWING
COO



Takuto Nagata

TOWING
Chief Global Officer

11:45 ~ Networking Lunch

Mein Session #2 Biochar in Agriculture

12:35 ~ Impact of biochar on the functioning of agricultural soil - Bridging the micro scale with the field scale

ONLINE



Michael Kaiser

University of Nebraska Lincoln
Associate Professor for Applied Soil Chemistry

12:55 ~ Enhancing soil vitality: The multifaceted benefits of biochar in agriculture



Hailong Wang

Foshan University
Professor

13:15 ~ How to use of Biochar in Japanese due to improve soil, Challenges and Prospects



Atsushi Takagi

SAKATA SEED CORPORATION
Principal Technical Expert

13:45 ~ Biochar- The Forever Amendment

ONLINE



Christine Gemperle

Gemperle Orchards
Owner/Operator

14:05 ~ Impacts of Biochar in Agriculture: Key findings from a portfolio of biochar research trials conducted in the USA

ONLINE



Sharol Marcec

Qualterra, Inc
Senior Field Scientist

Agenda DAY 1 22th, April

14:25 ~ Networking Break

14:45 ~ Microbial Immobilized Biochar as a Tool for Improving Soil Fertility and Sustainability



Ryoya Nishida
TOWING
CTO

14:55 ~ Potential of Microbe-immobilized Biochar 'SORATAN' as a Novel Strategy for Managing Soilborne Plant Diseases



Haibo Xu
TOWING
Researcher

15:05 ~ Biochar – A sustainable approach for soil health ameliorating



Andre Freire Cruz
Kyoto Prefectural University
Associate Professor

15:25 ~ Biochar derived from water hyacinth for energy and soil amendment applications in Ethiopia



Shinjiro Sato
SOKA University
Professor

15:45 ~ Short Break

15:55 ~ Commercialisation of biochar

ONLINE



Stephen Joseph
University of New South Wales
Professor

Producers' Insight

16:15~ Industrial-scale biochar production in Thailand



Samret Raungrit
SCG
Associate Director
New Growth Business (Biochar)



Sakprayut Sinthupinyo
Siam Cement Group
Co-founder Arbon

16:45~ Realizing the potential of Biochar: A Journey of Collaboration, Science and Innovation



Mike Warner
Qualterra
CEO

17:30

Networking Dinner

19:30

MEMO