

25th Meeting of the GBEP Steering Committee

Online 13.00 – 14.30 CEST time (UTC +2)

Thursday, 23 June 2022

Co-Chairs Summary

The GBEP Steering Committee held its 25th meeting, a special online session, on 23 June 2022. Argentina, Brazil, Canada, Germany, Italy, Japan, Philippines, Spain, Sweden, Viet Nam, CIFOR-ICRAF, FAO, IEA/IEA Bioenergy and WBA participated in the meeting as Partners and Observers. External experts from Imperial College of London, UK, and from the Biofuture Campaign also participated.

Ambassador Alexandre Ghisleni (GBEP Co-Chair, Brazil) chaired the meeting. Ms Emily Marthaler Marthaler (GBEP Co-Chair, USA) sent her apologies for not being able to join due to other previous commitments.

Opening and Welcome Speeches

Zitouni Ould-Dada (Deputy Director, Office of Climate Change, Biodiversity and Environment, FAO) gave a welcome speech. He thanked the GBEP Co-Chairs, Amb. Alexandre Ghisleni from the Ministry of External Relations in Brazil and Emily Marthaler from the U.S. Department of Agriculture, for their valuable guidance and continued support to GBEP, and welcomed all Partners and Observers to this extremely important special session of the Steering Committee. Mr. Ould-Dada noted that GBEP's existence and mandate has become even more important in the recent international context of multiple and synergistic crises, and the current priorities in terms of climate change, environment and sustainable development. He also made reference to the purpose of this special session of the Steering Committee by highlighting that the lack of funding for the GBEP support project, as foreseen for the coming biennium, is not compatible with the aforementioned urgency of the international crises and the importance of bioenergy's contribution to a sustainable, low-carbon, renewable global energy future. Mr. Ould-Dada expressed his hope that this meeting would be the opportunity to determine the strategic direction of the Partnership in order to attain the financial resources needed to drive it in the current geopolitical situation. He reiterated that FAO is very proud to host the GBEP Secretariat and fully supports the important work of the Partnership; FAO is ready to support in the development of a plan of action to secure replenishment of funds for the sustainability of the Partnership.

Amb. Alexandre Ghisleni thanked Partners and Observers for their continued work and officially adopted the meeting's agenda. Amb. Ghisleni made a brief welcome speech, where he noted the importance of the work and experience of GBEP in assessing the sustainability of bioenergy and in creating sustainable value chains. He highlighted that this expertise is also being brought to bear in collaboration with other initiatives, such as the workstream of the Biofuture Platform on Biomass Quantification and Sustainability Governance. He stressed the

importance of the meeting for seeking solutions to the current funding difficulties in order to secure the continuation of the partnership.

GBEP Programme of Work

Maria Michela Morese, GBEP Executive Secretary, gave an overview of the activities already carried out by GBEP in 2022 and those still ongoing or upcoming (see *Annex 1 – GBEP Activities 2022* for full list of activities).

GBEP funding arrangements

Looking ahead, Ms Morese presented proposals for the Programme of Work for the biennium 2023-24, both under the regular programme of work of the GBEP Secretariat and ideas for potential additional activities that could be carried out with a replenished GBEP budget (see *Annex 2 – Potential activities 2023-24 and approximate budget* for full list and estimated budgets).

Ms Morese then proposed some ideas for discussion to ensure the sustainability of funding of GBEP for the upcoming biennium but also beyond, as follows:

1. Establishment of a **GBEP Finance Task Force**, for example formed by GBEP donor members, that could meet on a monthly basis starting from end June 2022 and up to December 2022, with a view to find ways and means to overcome the current budgetary constraints and ensure a sustainable continuation of the GBEP initiative.
2. Investigation of **new funding modalities** for GBEP, that could facilitate a sustainable continuation of the GBEP activities, such as through an annual fee, for example applied to G20 member countries, as well as to international initiatives and organizations amongst GBEP membership.
3. Consideration of a more structured **role, within GBEP, to sponsors, private sector companies and associations of bioenergy sectors**, from both supply and demand side, who could participate in specific technical events within the GBEP programme of work.
4. Expression of support and appreciation to GBEP using interventions by country FAO representatives at the forthcoming **FAO 28th Committee on Agriculture (COAG)** that will meet at FAO headquarter, in Rome, 18-22 July 2022, and where GBEP will be presented with an info document (COAG/2022/INF/13). These interventions of support will give high level visibility to GBEP that could be very relevant for potential donors around the COAG table in terms of fund-raising opportunities.
5. Proposal of GBEP to be included in the **FAO Programme of Work and Budget** for 2024-25. This could be sent as an official request to FAO Finance and Programme Committee (next one to be held at the end of 2023).

Following this presentation, there was a discussion among Partners and Observers on the points raised.

All Partners and Observers who intervened in the discussion were very adamant in their expressions of **support and appreciation of the work of GBEP**. The **added value of the Partnership** was also highlighted, standing alone among other fora on bioenergy for its intergovernmental work. It is the only bioenergy forum with such a broad membership of developed and developing countries; this geographical coverage is important for providing a platform and a voice to underrepresented countries who are otherwise absent in other initiatives on bioenergy. It was also noted that GBEP's links with the G7 and G20 should also not be overlooked. The GBEP Sustainability Indicators are unique in their agreement and endorsement by so many countries globally. GBEP's in-country implementation and capacity building on the sustainability indicators and on the transition from traditional towards more modern sustainable bioenergy has provided, and still does provide, important lessons and policy recommendations; this has resulted in very valuable cumulative experience.

Regarding funding for the coming biennium, there was an open exchange of views about the proposed ideas. The idea of a **Finance Task Force** was discussed, and one Partner noted that it may be more effective and productive for the GBEP Secretariat to hold bilateral meetings with Partners and Observers, as well as external donors, in order to best understand new opportunities and potential modalities.

Regarding the idea of an **annual fee**, one Partner noted that it may be problematic within the country as the internal approval chain would need a high-level governmental decision and would therefore not be feasible on a yearly basis.

Some Partners expressed caution concerning **private sector involvement** in GBEP with a view to avoid that it could be used by bioenergy critics against bioenergy as such and to discredit the work of the Partnership. On this point, it was suggested that the GBEP Secretariat reaches out to other organisations that have private sector funding, such as the World Bioenergy Association, to understand their modalities and to avoid funding competition.

Partners and Observers agreed that it would be important to **highlight their strong support to GBEP at the upcoming FAO 28th COAG** that will meet at FAO headquarter, in Rome, 18-22 July 2022, by contacting their representatives in the Representation to FAO in Rome to suggest an intervention to express support and appreciation to GBEP after the presentation of the GBEP info document (COAG/2022/INF/13). These interventions of support will give high level visibility to GBEP that could be very relevant for potential donors around the COAG table in terms of fund-raising opportunities.

There was a general positive response to the proposal to explore the **inclusion of GBEP in the FAO Programme of Work and Budget (PWB)** through a request to FAO Finance and Programme Committee. However, it was agreed that this was a longer-term measure that would not take effect until 2024, and therefore needs to be considered in parallel with other more-immediate measures.

As an emergency measure for the coming biennium 2023-2024, one Partner proposed to assign to the GBEP Executive Secretary the task to develop a **streamlined GBEP programme of work** with reduced activities and a reduced budget (from 350 000-400 000

USD to approximately 200 000 USD), with the objective to facilitate the acquisition of funds. This streamlining would reduce to part time the staff of the Secretariat, under the same contractual conditions, with a consequential relative reduction in activities. A new GBEP meeting would be organized in September 2022 with a view to approve this streamlined programme of work and to join forces to facilitate the related fund raising.

Conclusions and Next steps

Amb. Ghisleni summarised the main discussion points, reviewing the options proposed to reinforce the GBEP funding resources.

He concluded from the discussion that there was general agreement that, given the importance of the work of GBEP, **all efforts need to be made in the coming months to find an immediate solution to the funding issue**, whilst also putting in place financing mechanisms that can support the longer-term sustainability of the Partnership.

On the basis of the discussions, it was agreed that:

- As an emergency measure, the GBEP Executive Secretary, in consultation with GBEP Partners and Observers, will prepare a **streamlined GBEP Programme of Work and budget** for the biennium 2023-24;
- Another **meeting will be organized in September 2022** (Steering Committee or ‘Friends of the Chair’), specifically to approve the streamlined GBEP Programme of Work and how it can be funded for 2023 and 2024. In advance of this meeting Partners and Observers will communicate to the GBEP Secretariat concrete financial backing of this streamlined programme of work;
- The GBEP Secretariat will also **hold bilateral meetings** with Partners, Observers and external donors to explore funding opportunities and modalities; and
- Partners and Observers are invited to contact their representatives in the Representation to FAO in Rome to suggest an intervention to express support and appreciation to GBEP as soon as the GBEP related info document will be presented during the **FAO 28th COAG** (Rome, FAO Hqs., 18-22 July 2022). These interventions of support could be very relevant for potential donors around the COAG table in terms of fund-raising opportunities.

Annex 1 – GBEP Activities 2022

Note: Upcoming or ongoing activities (after 23 June 2022 until end 2022) are highlighted in green.

Activity Group/Area of Work	Activity	Relevant link(s)
Working Group on Capacity Building (WGCB)		
AG2 “Raising awareness, and sharing of data and experience on the implementation of the GBEP indicators”	GBEP Secretariat has been investigating with interested Partners and Observers, and external organisations, on the PILOTING of the Rapid Implementation Framework Handbook .	The RIF Handbook is available on the GBEP website for consultation and use.
	GBEP, IEA Bioenergy and BfP co-organized a workshop on “Bioenergy and sustainable development – Climate change mitigation and opportunities for sustainability co-benefits” (online 23-24 May 2022).	The agenda and other relevant documents are available on the GBEP website and on the IEA Bioenergy website
AG3 “Study Tour for capacity building and training”	<p>The 9th GBEP Bioenergy Week will be a hybrid event that takes place in Asunción, Paraguay on 26-29 September 2022.</p> <p>The Bioenergy Week 2022 is organised in collaboration with the Ministry of Agriculture, Ministry of Industry and the Vice Ministry of Energy and Mines of Paraguay, along with FAO Paraguay. MERCOSUR and IICA will be leading/coordinating some sessions.</p>	The agenda and other relevant documents will be available shortly here .
AG4 “Woody biomass for forest landscape restoration (FLR) and sustainable livelihoods”	GBEP Special Event at the World Forestry Congress 2022 on ‘Sustainable bioenergy for energy transition towards net zero emissions’ (Korea, 4 May 2022), organized in cooperation with FAO and IRENA.	Presentations and agenda available here .
	GBEP Webinar on ‘Biohydrogen for the sustainable energy transition – developments, opportunities and challenges’ (online, 18 May 2022).	Presentations and recording available here .
	GBEP Webinar on Biohydrogen (second half 2022).	

	<p>AG4 session during the 9th Bioenergy Week on ‘Wood energy and land restoration’.</p> <p>Based on the discussions during 9th Bioenergy Week, a short brief will be developed, and an update will be made to the 2020 Collection of examples on Positive Relationships between Sustainable Wood Energy and Forest Landscape Restoration.</p>	
<p>AG7 “Biogas”</p>	<p>GBEP Webinar on ‘Green jobs in biogas’ (online, 1 June 2022).</p>	<p>More information on this webinar and other previous AG7 webinars available here.</p>
	<p>AG7 session during the 9th Bioenergy Week on ‘Biogas and biomethane’.</p>	
<p>AG8 “Advanced Liquid Biofuels”</p>	<p>GBEP Side event at EUBCE 2022 on ‘Advanced liquid biofuels for net zero, the significance of sustainability’ (online, 9 May 2022).</p>	<p>Presentations and recording available here.</p>
	<p>2022 update of the “Collection of Experiences in Advanced Liquid Biofuels”</p>	
	<p>GBEP webinar on advanced liquid biofuels – sharing good practices (second half 2022)</p>	
<p>Bioenergy in displacement settings</p>	<p>GBEP Sec. has been in contact with the GPA to strengthen the role of bioenergy in their discussions.</p>	
<p>Informal e-group on Linking Bioenergy with Food security and nutrition</p>	<p>Literature Review on ‘The Linkages Between Bioenergy and Nutrition’ finalized April 2022. Developed by FAO in cooperation with the GBEP Sec.</p>	<p>Literature Review available here.</p>
	<p>GBEP Webinar entitled ‘Exploring the bioenergy-nutrition nexus’ (online, 30 May 2022).</p>	<p>Webinar recording and presentations available here.</p>
	<p>GBEP Sec. will participate as speaker in the webinar series organized by FAO “Unpacking the climate change, biodiversity and nutrition nexus” (online, 6 July 2022)</p>	
	<p>Submission of abstract to Global Symposium on Soils for Nutrition for a poster session, 26-29 July 2022.</p>	<p>More information on the Symposium here.</p>

Youth	2022 GBEP Youth Award The GBEP Youth Award 2022 is associated with the 9 th GBEP Bioenergy Week to be held in Paraguay. The call for papers was closed in June 2022. The Selection Process is currently ongoing.	More information on the GBEP Youth Award is available on the GBEP website
	The Bioenergy Supplement of the YUNGA Energy Challenge Badge has been finalized.	More information on YUNGA Energy Challenge Badge can be found here .
	GBEP contributed to the Education Track of the World Food Forum with an Energy Lab for young people dedicated to bioenergy and its links with agri-food systems (online, 23 February 2022).	More information and recording available here .
Capacity Development Events	GBEP Sec. participated as speaker in the Workshop hosted by the Atlantic Council – <i>The role of the Bioeconomy in African Development</i> (online, 9 March 2022)	
	GBEP Sec. participated as speaker in the Assodistill event – <i>Ethanol: sustainable transport is here and now!</i> (Rome, 11 May 2022)	
	GBEP Sec. participated as speaker in the workshop organized by Polytechnic University of Turin - <i>Biochar and carbon farming</i> (online, 20 June 2022)	
	GBEP Sec. participated as speaker in the EUBCE 2022 Plenary Live Panel Debate: <i>The role of biomass for enhancing European energy security while ensuring sustainability</i> (online, 9 May 2022)	
	GBEP Sec. will participate as speaker in the webinar to be organized by IRENA – <i>Sustainable bioenergy for the energy transition</i> (online, 28 June 2022)	
Task Force on Sustainability		
Rapid Implementation Framework	Project proposals that integrate the implementation of the Rapid Implementation Framework in a different contexts – under development.	The first version of the data entry sheets for bioenergy pathways

		<p>from agricultural crops are available here.</p> <p>The RIF Handbook is available on the GBEP website.</p> <p>Both tools contribute to the project ideas.</p>
Bioeconomy	GBEP Sec. is contributing to the Biofuture Platform Working Group on Biomass Quantification and Sustainability Governance	More information on the workstream is available here .
	Working Paper “GBEP Indicators for sustainable bioenergy and indicators for a sustainable bioeconomy”	
	Joint GBEP - IEA - IEA Bioenergy – Biofuture Platform – OECD workshop (second half 2022)	
	Infographic on bioenergy in the context of the wider bioeconomy	

Other relevant activities		
FAO COAG (Committee on Agriculture)	GBEP will be presented to the COAG members during the 28th COAG session (18-22 July 2022).	INF/13 document on GBEP in the COAG agenda
	Submission of side event at COAG, co-organized by GBEP and FAO on bioenergy in the context of the broader bioeconomy	
G20	Potential insertion of the GBEP reference into the G20 technical documents (15-16 November 2022)	

Annex 2 – Potential activities 2023-24 and approximate budget

The below table provides, in the first section, information on the proposed activities of the GBEP Secretariat under the **GBEP regular programme of work for the biennium 2023-24**. The approximate budget for funding of all activities is included in the table (*approx. USD 350/400K per year*, as for previous years) and considers the budget for GBEP Sec. regular activities, including administration and necessary travel of the Secretariat during this time. It is worth mentioning that USD 350/400K per year represents the minimum budget that would allow the continuation of the GBEP regular activities, considering that in the last 16 years the GBEP Secretariat has managed a total budget of approx. USD 12 ml, including regular activities and full projects in several countries.

In the second section of the table, further activities are explored, in view of the idea to further involve additional stakeholders in GBEP, including private sector companies and associations. Some potential additional activities of this nature are listed as examples of the variety of projects that could be implemented, many of which have already been developed by the GBEP Secretariat in the form of project proposals. The list is not exhaustive and is rather intended as a starting point from which to cultivate new ideas. These proposals, and others to be proposed, could be further developed with interested Partners and Observers and other pertinent stakeholders as part of the regular activities of the GBEP Secretariat. Indicative timeframes, and budgets for which funding would need to be sought, are provided for each activity as a reference point, although projects would be adapted to fit stakeholder priorities and needs.

Activity Group/Area of Work	Activity foreseen 2023-24	Details	Approximate Budget
Regular GBEP Programme of Work			
Working Group on Capacity Building (WGCB)			<i>REGULAR GBEP PoW</i> <i>Approx. USD 350/400K per year</i>
AG2 “Raising awareness, and sharing of data and experience on the implementation of the GBEP indicators”	GBEP Sec. backstopping of piloting of the Rapid Implementation Framework Handbook.	This support includes: i) initial guidance on handbook and work plan; and ii) revisions to final documents.	

<p>AG3 “Study Tour for capacity building and training”</p>	<p>10th GBEP Bioenergy Week to take place in Viet Nam in 2023. 11th GBEP Bioenergy Week to take place in Africa in 2024 in collaboration with ECREEE, AFREC and UNECA.</p>	<p>Organisation of annual Bioenergy Week from procedural and technical points of view, in association with hosts and other collaborating organisations. (External sponsorship will be required and sought, as with previous editions.)</p>
<p>AG4 “Woody biomass for forest landscape restoration (FLR) and sustainable livelihoods”</p>	<p>Series of webinars on the links between sustainable wood energy and FLR, as well as on biohydrogen for the sustainable energy transition.</p>	<p>At least 2 webinars to be held annually to bring together private sector, academic institutions, governments and international organisations to discuss pertinent aspects related to the links between sustainable wood energy and FLR, as well as related to the sustainable growth of the biohydrogen market.</p>
	<p>AG4 session during the Bioenergy Weeks 2023 and 2024.</p>	<p>Session will have a thematic focus of interest to the related region and will be followed by a brief regarding the conclusions of the session and related follow-up.</p>
<p>AG7 “Biogas”</p>	<p>Series of webinars in collaboration with regional biogas initiatives on co-benefits of biogas for sustainable development.</p>	<p>At least 2 webinars to be held annually to encourage cross-regional exchange and learning on specific topics related to the co-benefits of biogas as part of the circular economy.</p>
	<p>AG7 session during the Bioenergy Weeks 2023 and 2024.</p>	<p>Session will have a thematic focus of interest to the related region and will be followed by a brief regarding the conclusions of the session and related follow-up.</p>
<p>AG8 “Advanced Liquid Biofuels”</p>	<p>Series of webinars on the sustainable growth of the advanced liquid biofuels sector.</p>	<p>At least 2 webinars to be held annually, bringing together private sector and governments to discuss how the advanced liquid biofuel sector can be supported to best contribute to the achievement of climate mitigation targets and other aspects of the sustainable development agenda.</p>

	Annual update of the “Collection of Experiences in Advanced Liquid Biofuels”	
Informal e-group on Linking Bioenergy with Food security and nutrition	Meetings of the e-group	At least 2 meetings a year to discuss main aspects raised in the Literature Review and develop recommendations on how value chains could further improve nutrition aspects or how good practices could be replicated to further improve nutrition.
	Collection of best practices linking bioenergy and nutrition	
	Series of webinars to disseminate and uptake good practices collected	At least 2 events to be held annually
Youth	2023 and 2024 GBEP Youth Award	The GBEP Youth Award will be associated each year with the region of the Bioenergy Week (2023 in Asia and 2024 in Africa).
	Capacity development events for youth.	At least 2 events to be held annually specifically related to capacity development of youth on topics related to bioenergy.
Capacity Development Events	(Co-)organisation of events in collaboration with other relevant initiatives, e.g. IEA Bioenergy, UNIDO, Biofuture Platform, among others.	Organisation of workshops and events, as appropriate, in collaboration with other relevant initiatives, e.g. IEA Bioenergy, UNIDO, Biofuture Platform, among others. At least 4 per year .
	Participation of the GBEP Sec. in relevant conferences and workshops as speaker/chair	At least 10 appearances of the GBEP Secretariat as speaker in other external conferences to give visibility to GBEP activities and experience.

	<p>Develop capacity development materials like infographics, pamphlets and others to raise awareness about sustainable bioenergy and the role of GBEP</p>	
Task Force on Sustainability (TFS)		
<p>GBEP Sustainability Indicators for Bioenergy and related Rapid Implementation Framework</p>	<p>Development of project proposals that integrate the implementation of the GBEP Sustainability Indicators and/or the related Rapid Implementation Framework.</p>	<p>At least 2 project proposals to be developed annually to procure external funding for projects that incorporate the implementation of the GBEP Sustainability Indicators and/or related Rapid Implementation Framework in a different contexts.</p>
Bioeconomy	<p>GBEP Sec. to continue to contribute to the Biofuture Platform Working Group on Biomass Quantification and Sustainability Governance</p>	
	<p>Discussion and related paper, as well as piloting, on how the GBEP indicators could be applied to the wider bioeconomy</p>	
	<p>Development of project proposals that integrate a bioenergy component as part of broader bioeconomy issues.</p>	

	Contribution of GBEP Secretariat to relevant discussions on bioeconomy sustainability and relevant indicators.	GBEP participation and co-organisation of relevant workshops and events in collaboration with other organisations, such as IEA Bioenergy, IEA, Biofuture Platform, among others.
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Potential additional activities to be further explored			
Activity Group/Area of Work	Activity foreseen 2023-24	Details	Approximate Timeframe and Budget
Sustainable Market Development Opportunities for Bioenergy with a more active engagement of private sector	Market opportunities development for sustainable bioenergy products, technologies, and innovations	Through the more active engagement of private sector, the activities would seek to drive concrete deployment of sustainable bioenergy investments by: i) Connecting technology providers, developers, and other actors through shared understanding of sustainability issues based on the GBEP Indicators; and ii) Exploring, identifying and accompanying the most effective and sustainable market opportunities to final deployment.	At least 3 years; Exact budget tbd

	Responsible Business Conduct risk-based due diligence and sustainable development in the global biofuel supply chain ¹	<p>Activities seek to develop an approach to support responsible sourcing in global bioenergy supply chains by:</p> <p>i) Increasing knowledge and awareness on how bioenergy sourcing can impact on development; ii) expanding access to grievance tools to reduce environmental and social impacts in sourcing; and iii) strengthening resilience and capacity of businesses, governments and others, to respond to global demand for sustainable bioenergy through knowledge sharing and capacity building.</p>	<p>At least 3 years; Exact budget tbd</p>
GBEP Sustainability Indicators	Implementation of the GBEP Sustainability Indicators for monitoring, training, exchange of lessons learned and policy recommendations	<p>Implementation of the GBEP Sustainability Indicators using the full methodology, where possible, in groups of two countries in different regions, with a view to facilitate exchange of lessons learned within the region and across regions.</p>	<p>Varying duration and budget depending on depth and breadth of assessment.</p>
	Piloting of the Rapid Implementation Framework	<p>GBEP Secretariat coordinates piloting of the Rapid Implementation Framework at country level, following the guidelines of the RIF Handbook.</p>	<p>6 months; USD 85 000 per country</p>
	Training on the implementation of the GBEP Sustainability Indicators	<p>In-country training of national and local stakeholders on the implementation of the GBEP Sustainability Indicators, as well as related awareness raising on country-specific priorities and links with SDGs and NDCs.</p>	<p>6 months; USD 60 000 per country</p>

¹ Project proposal developed in collaboration with the Trade and Market Division of FAO.

	Enhancing the contribution of bioenergy to achieve the Methane Pledge	Activities to support one or more countries in analysing current practices and related methane emissions in relevant sectors, for subsequent strategy development on pledges related to methane emission reductions.	At least 8-12 months; budget depending on the country case
	Building Capacity for monitoring of sustainability of bamboo bioenergy value chains through the use of GBEP indicators ²	Activities in four priority countries (indicatively Ghana, Ethiopia, Kenya and Uganda) to sensitize policy makers and relevant stakeholders on the potential of modern bioenergy from bamboo biomass value chains to contribute to GHG emission reductions and other socio-economic co-benefits. This would be carried out using a sustainability assessment of the bamboo bioenergy value chain using the GBEP Sustainability Indicators.	14 months; USD 450 000 per country
Bioenergy as part of the broader bioeconomy and sustainable development agenda	Pyrolysis to manage manure and avoid zoonosis	Activities to facilitate the uptake of pyrolysis technology for the management of chicken manure to contribute to countries' ability to contain zoonotic phenomena stemming from their poultry sector.	Varying duration and budget depending on the detailed activities.
	Carbon negative food waste to energy and materials in a circular bioeconomy context	The activities would pilot integrated waste management concepts using pyrolysis of organic waste in Small Island Developing States.	Varying duration and budget depending on the detailed activities.

² Project proposal developed in collaboration with the International Bamboo and Rattan Organisation (INBAR).