



SDG7 Energy Compact of Global Bioenergy Partnership (GBEP)

A next Decade Action Agenda to advance SDG7 on sustainable energy for all, in line with the goals of the Paris Agreement on Climate Change

GBEP is an international initiative, working since 2006 to promote bioenergy for sustainable development. It brings together over 80 Partners and Observers from governments and international organizations from around the world to foster cooperation and knowledge sharing. Its main strategic focus areas are sustainable development, climate change, and food and energy security.

ENERGY COMPACT TEMPLATE (applicable to all parties)

SECTION 1: AMBITION	
1.1. Ambitions to achieve SDG7 by 2030. (Member States may reference and build upon their NDC and/or 2030 agenda commitments) <i>[Please select all that apply]</i>	
<input type="checkbox"/> Target 7.1. universal access	Time frame: Elaboration of the ambition(s):
<input checked="" type="checkbox"/> Target 7.2. Renewables	Time frame: 2021-2023 Elaboration of the ambition(s): <ul style="list-style-type: none"> Support a sustainable, just transition to modern renewable bioenergy through the implementation of the GBEP Sustainability Indicators for Bioenergy. Context of ambition: <ul style="list-style-type: none"> The GBEP Sustainability Indicators for Bioenergy were developed in 2011 as a set of 24 voluntary indicators for measuring and monitoring the sustainability of bioenergy at national and local level. The indicators intend to guide any analysis undertaken of bioenergy at the domestic level with a view to informing decision making and facilitating the sustainable development of bioenergy in a manner consistent with multilateral trade obligations. They have so far been implemented in 14 countries. The ambition aims to increase the number of countries who have implemented the GBEP Sustainability Indicators in order to contribute to the harmonization of bioenergy assessments and support countries in understanding sustainability issues in relation to their domestic bioenergy sectors.
<input type="checkbox"/> Target 7.3. Energy Efficiency	Time frame: Elaboration of the ambition(s):
<input checked="" type="checkbox"/> Target 7.a. International Cooperation	Time frame: 2021-2022 Elaboration of the ambition(s): <ul style="list-style-type: none"> Support Partners and Observers of the Global Bioenergy Partnership, and all relevant stakeholders beyond the GBEP membership, to access research, share lessons learnt and collaborate in the transition to sustainable modern bioenergy. Context of ambition: <ul style="list-style-type: none"> GBEP is one of the leading fora for cooperation in the area of bioenergy for sustainable development. It has proven to be an important arena for bringing together countries with varying expertise and creating opportunities for collaboration and sharing of lessons learnt.
<input type="checkbox"/> Target 7.b. Infrastructure and Technology	Time frame: Elaboration of the ambition(s):

1.2. Other ambitions in support of SDG7 by 2030 and net-zero emissions by 2050. *[Please describe below e.g., coal phase out or reforming fossil fuel subsidies etc.]* if

Time frame:

Elaboration of the ambition(s):

SECTION 2: ACTIONS TO ACHIEVE THE AMBITION

2.1. Please add at least one key action for each of the elaborated ambition(s) from section 1. *[Please add rows as needed].*

<p><i>Description of action (please specify for which ambition from Section 1)</i> “Support a sustainable, just transition to modern renewable bioenergy through the implementation of the GBEP Sustainability Indicators for Bioenergy.”</p> <ul style="list-style-type: none"> ● Enhance the practicality of the GBEP Sustainability Indicators for Bioenergy through the development of accompanying tools and resources that facilitate their implementation, specifically: <ul style="list-style-type: none"> ○ A Rapid Implementation Framework, which will promote the implementation of the indicators and support countries in identifying critical sustainability areas in their domestic bioenergy sector. The application of the GBEP Sustainability Indicators through a rapid implementation will not only support countries in the identification and classification of critical sustainability issues but will also assist in the prioritization of these issues, related data capacity requirements and supportive policy conditions. It therefore supports national monitoring towards SDG 7 and commitments under the Paris Agreement. ○ A dedicated online platform for the implementation of the GBEP Sustainability Indicators. The platform would contain an automated tool for systematic measurement of the indicators, as well as accompanying resources to support in-country implementation. It would also facilitate periodic monitoring of the indicators using consistent methodology. 	<p><i>Start and end date</i> 2020 – 2023</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i> “Support Partners and Observers of the Global Bioenergy Partnership, and all relevant stakeholders beyond GBEP membership, to share lessons learnt and collaborate in the transition to sustainable modern bioenergy.”</p> <ul style="list-style-type: none"> ● Organize and participate in capacity development events, including webinars, workshops, trainings and study tours. Specifically: <ul style="list-style-type: none"> ○ organization of the GBEP Bioenergy Week in Paraguay 2022 to bring together stakeholders from the Americas and promote collaboration on issues specifically related to the region. ○ organization of webinars on biogas, advanced liquid biofuels, rapid implementation of the GBEP Sustainability Indicators, among others. 	<p><i>Start and end date</i> Ongoing</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i></p>	<p><i>Start and end date</i></p>
<p><i>Description of action (please specify for which ambition from Section 1)</i></p>	<p><i>Start and end date</i></p>

SECTION 3: TARGETS

3.1. Please add at least one measurable and time-based target for **each** of the actions from section 2. For sample targets please refer to [XXXX] *[Please add rows as needed].*

Target

Date

(please note that targets and dates reflect the current duration of project activities and can and will be updated to reflect the ongoing efforts for Agenda 2030 and net zero 2050, when possible)

Action 1 – Target 1 – Produce handbook for practitioners for the application of the Rapid Implementation Framework of the GBEP Sustainability Indicators for Bioenergy.	December 2021
Action 1 – Target 2 – Promote the Rapid Implementation Framework Handbook and encourage its piloting in at least 3 countries	2022
Action 1 – Target 3 – Launch online platform for the implementation of the GBEP Sustainability Indicators	2023
Action 2 – Target 1 – Organize the GBEP Bioenergy Week 2022 in Paraguay.	2022
Action 2 – Target 2 – Organize 5 to 8 capacity building webinars on specific bioenergy topics.	2022

SECTION 4: REQUIRED RESOURCES AND SUPPORT

4.1. Please specify required finance and investments for **each** of the actions in section 2.

Action 1 – Target 1 – Produce handbook for practitioners for the application of the rapid implementation of the GBEP Sustainability Indicators for Bioenergy – USD 85,000
Action 1 – Target 2 – Piloting of the Rapid Implementation Framework Handbook – USD 30,000 (per country)
Action 1 – Target 3 – Launch online platform for the implementation of the GBEP Sustainability Indicators – USD 1,000,000*
Action 2 – Target 1 – Organize the GBEP Bioenergy Week 2022 in Paraguay – USD 160,000
Action 2 – Target 2 – Organize 5 to 8 capacity building webinars on specific bioenergy topics – USD 100,000

*Financing still to be secured

4.2. [For countries only] In case support is required for the actions in section 2, please select from below and describe the required support and specify for which action.

[Examples of support for Member States could include: Access to low-cost affordable debt through strategic de-risking instruments, capacity building in data collection; development of integrated energy plans and energy transition pathways; technical assistance, etc.]

<input type="checkbox"/> Financing	Description
<input type="checkbox"/> In-Kind contribution	Description
<input type="checkbox"/> Technical Support	Description
<input type="checkbox"/> Other/Please specify	Description

SECTION 5: IMPACT

5.1. Countries planned for implementation including number of people potentially impacted.

Action 1 – The GBEP Sustainability Indicators have already been implemented in 14 countries. With the potential for a Rapid Implementation, the number of countries where the indicators can be measured will increase and the impact will be amplified. A number of countries have already shown expressed interest in a rapid implementation of the GBEP indicators, including Ghana, Togo and the Philippines. The impact will be greatest in developing countries with fewer resources.

Action 2 – The GBEP capacity building events have wide-ranging impacts globally. The GBEP Bioenergy Week 2022 will bring together approximately 200 stakeholders (including governments, private sector and civil society) from Paraguay and the Americas region, and experts from the rest of the world. The presentations, discussions and conclusions will be made freely available through the GBEP website. Each GBEP webinar has approximately 100-200 registered participants, with the recordings of the webinars made freely available on the GBEP website.

5.2. Alignment with the 2030 Agenda for Sustainable Development – Please describe how **each** of the actions from section 2 impact advancing the SDGs by 2030.

[up to 500 words, please upload supporting strategy documents as needed]

Action 1 – The GBEP Sustainability Indicators cover the three pillars of sustainability development – environmental, social and economic – and 23 of the 24 GBEP Sustainability Indicators are directly linked to SDGs and their targets (Fritsche et al. 2018). Their implementation at the national level therefore strengthens collection of relevant data for the monitoring of progress not only towards SDG 7 but also to many of the other SDG targets; this means that the indicators can be used in monitoring towards progress of the 2030 Agenda. Implementation also leads to a sensitization of national stakeholders on the contribution of sustainable modern bioenergy to the 2030 Agenda and brings together the relevant ministries to understand the linkages between relevant sectors, thus enabling synergistic policy actions. The development of the Rapid Implementation Framework for the GBEP Indicators will facilitate their application in countries where resources are limited; this will further strengthen the harmonization of the assessment of bioenergy sustainability and multiply the impact of the indicators globally. The outcome of the rapid assessment will also identify critical areas for further scrutiny, which will allow for efficiency in allocation of national resources and show where targeted external resources are required.

Action 2 – The achievement of the SDGs requires international cooperation. Through its membership of over 80 governments and intergovernmental organizations, the capacity building events of the Global Bioenergy Partnership represent an important forum for: presentation of current research; exchange of lessons learnt; demonstration of best practices; and opportunities for collaboration. The aim of the capacity building events is that the provision of these opportunities for learning and exchange will advance capacity and ambition to achieve the SDGs by 2030. Specifically, themes of capacity building sessions such as ‘wood energy for forest landscape restoration and sustainable livelihoods’ touch not only on the targets of SDG7 of energy transition and energy access but also to many other SDGs, such as SDG3, SDG13, SDG15, among others. The capacity building events are aligned with regional and national plans and roadmaps, as appropriate, to ensure that they specifically support strategic themes.

5.3. Alignment with Paris Agreement and net-zero by 2050 - Please describe how **each** of the actions from section 2 align with the Paris Agreement and national NDCs (if applicable) and support the net-zero emissions by 2050.

[up to 500 words, please upload supporting strategy documents as needed]

Action 1 – Indicator 1 of the GBEP Sustainability Indicators relates directly to GHG emissions and measures the lifecycle GHG emissions from bioenergy production and use. The measurement of this indicator contributes to understanding the contribution of specific bioenergy value chains or national bioenergy sectors to mitigation efforts defined in Nationally Determined Contributions, comparing lifecycle GHG emissions of bioenergy value chains with the traditional bioenergy/fossil fuel energy alternative. It also leads to sensitization of stakeholders on the mitigation contribution of the national bioenergy sector, whilst providing insights into which policy measures best support reductions in GHG emissions. The measurement of the indicator over time contributes to monitoring efforts and can be used for national and international reporting processes.

Action 2 – Capacity development events support the continued training of stakeholders on the sustainability issues related to bioenergy, including on the climate change aspects. Demonstration of best practices and discussions of impacts of bioenergy development on climate change mitigation and adaptation, allows for learning and feedback between countries, stimulating stronger commitments and aiding in their implementation.

SECTION 6: MONITORING AND REPORTING

6.1. Please describe how you intend to track the progress of the proposed targets in section 3. Please also describe if you intend to use other existing reporting frameworks to track progress on the proposed targets.

The Global Bioenergy Partnership has a strong monitoring and reporting framework for its activities, which will also be used to measure the progress towards the targets on the Energy Compact. All activities are agreed by the Steering Committee on a yearly basis and yearly reporting is carried out at GBEP annual meetings to track progress. The targets can also be tracked by external stakeholders:

Target 1.1. – The outputs of Target 1.1 will be published on the GBEP website at the conclusion of 2021.

Target 2.1 – The conclusions of the GBEP Bioenergy Week 2022 will be made available freely on GBEP website.

Target 2.2 – The capacity building events will be recorded and the conclusions and presentations will be made available freely on the GBEP website.

SECTION 7: GUIDING PRINCIPLES CHECK LIST

Please use the checklist below to validate that the proposed Energy Compact is aligned with the guiding principles.

I. Stepping up ambition and accelerating action - Increase contribution of and accelerate the implementation of the SDG7 targets in support of the 2030 Agenda for Sustainable Development for Paris Agreement

I.1. Does the Energy Compact strengthen and/or add a target, commitment, policy, action related to SDG7 and its linkages to the other SDGs that results in a higher cumulative impact compared to existing frameworks?

Yes No

I.2. Does the Energy Compact increase the geographical and/or sectoral coverage of SDG7 related efforts? Yes No

I.3. Does the Energy Compact consider inclusion of key priority issues towards achieving SDG7 by 2030 and the net-zero emission goal of the Paris Agreement by 2050 - as defined by latest global analysis and data including the outcome of the Technical Working Groups? Yes No

II. Alignment with the 2030 agenda on Sustainable Development Goals – Ensure coherence and alignment with SDG implementation plans and strategies by 2030 as well as national development plans and priorities.

II.1. Has the Energy Compact considered enabling actions of SDG7 to reach the other sustainable development goals by 2030? Yes No

II.2. Does the Energy Compact align with national, sectoral, and/or sub-national sustainable development strategies/plans, including SDG implementation plans/roadmaps? Yes No

II.3. Has the Energy Compact considered a timeframe in line with the Decade of Action? Yes No

III. Alignment with Paris Agreement and net-zero by 2050 - Ensure coherence and alignment with the Nationally Determined Contributions, long term net zero emission strategies.

III.1. Has the Energy Compact considered a timeframe in line with the net-zero goal of the Paris Agreement by 2050? Yes No

III.2. Has the Energy Compact considered energy-related targets and information in the updated/enhanced NDCs? Yes No

III.3. Has the Energy Compact considered alignment with reaching the net-zero emissions goal set by many countries by 2050? Yes No

IV. Leaving no one behind, strengthening inclusion, interlinkages, and synergies - Enabling the achievement of SDGs and just transition by reflecting interlinkages with other SDGs.

IV.1. Does the Energy Compact include socio-economic impacts of measures being considered? Yes No

IV.2. Does the Energy Compact identify steps towards an inclusive, just energy transition? Yes No

IV.3. Does the Energy Compact consider measures that address the needs of the most vulnerable groups (e.g. those impacted the most by energy transitions, lack of energy access)? Yes No

V. Feasibility and Robustness - Commitments and measures are technically sound, feasible, and verifiable based a set of objectives with specific performance indicators, baselines, targets and data sources as needed.

V.1. Is the information included in the Energy Compact based on updated quality data and sectoral assessments, with clear and transparent methodologies related to the proposed measures? Yes No

V.2. Has the Energy Compact considered inclusion of a set of SMART (specific, measurable, achievable, resource-based and time based) objectives? Yes No

V.3. Has the Energy Compact considered issues related to means of implementation to ensure feasibility of measures proposed (e.g. cost and financing strategy, technical assistant needs and partnerships, policy and regulatory gaps, data and technology)? Yes No

SECTION 8: ENERGY COMPACT GENERAL INFORMATION

8.1. Title/name of the Energy Compact

Supporting the sustainable development of bioenergy

8.2. Lead entity name (for joint Energy Compacts please list all parties and include, in parenthesis, its entity type, using entity type from below)

Global Bioenergy Partnership (GBEP)

8.3. Lead entity type

Government

Local/Regional Government

Multilateral body /Intergovernmental Organization

Non-Governmental Organization (NGO)

Civil Society organization

Academic Institution /Scientific Community

Private Sector

Philanthropic Organization

Other relevant actor

8.4. Contact Information

Maria Michela Morese, Executive Secretary of GBEP, Michela.morese@fao.org

8.5. Please select the geographical coverage of the Energy Compact

Africa Asia and Pacific Europe Latin America and Caribbean North America West Asia Global

8.6. Please select the Energy Compact thematic focus area(s)

Energy Access Energy Transition Enabling SDGs through inclusive just Energy Transitions Innovation, Technology and Data Finance and Investment.

SECTION 9: ADDITIONAL INFORMATION (IF REQUIRED)

Please provide additional website link(s) on your Energy Compact, which may contain relevant key documents, photos, short video clips etc.

More information on the Global Bioenergy Partnership can be found on the website: www.globalbioenergy.org

Specific information on the GBEP Sustainability Indicators, along with related work and reports, is available here: <http://www.globalbioenergy.org/programmeofwork/task-force-on-sustainability/en/>