



### SDG7 Energy Compact of the Basque Country

#### Commitment on the creation of distributed prosumer energy communities

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

## SECTION 1: AMBITION

### 1.1. Ambitions to achieve SDG7 by 2030. [ Please select all that apply, and make sure to state the baseline of each target]

(Member States targets could be based on their NDCs, energy policies, national five-year plans etc. targets for companies/organizations could be based on their corporate strategy)

<input checked="" type="checkbox"/> <b>7.1.</b> By 2030, ensure universal access to affordable, reliable and modern energy services.	Target(s): <ul style="list-style-type: none"> <li>• Creation of distributed prosumer energy communities.</li> <li>• Allow citizenship to participate in the generation and management of photovoltaic power plants.</li> </ul> Time frame: 2021-2024 Context for the ambition(s): Energy Strategy of the Basque Country 2030 (3E2030) and Basque Energy Transition.
<input checked="" type="checkbox"/> <b>7.2.</b> By 2030, increase substantially the share of renewable energy in the global energy mix.	Target(s): <ul style="list-style-type: none"> <li>• To promote the installation of 30 to 50 new PV power plants in the Basque Country. Each PV installation will have a size of 1MW to 5 MW.</li> </ul> Time frame: 2021-2024 Context for the ambition(s): Basque Energy Strategy of the Basque Country 2030 (3E2030) and Basque Energy Transition.
<input type="checkbox"/> <b>7.3.</b> By 2030, double the global rate of improvement in energy efficiency.	Target(s): Time frame: Context for the ambition(s):
<input type="checkbox"/> <b>7.a.</b> By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology.	Target(s): Time frame: Context for the ambition(s):
<input type="checkbox"/> <b>7.b.</b> By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programs of support.	Target(s): Time frame: Context for 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.]**

Target(s):  
 Time frame:  
 Context for 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>            Action 1: Creation of prosumer energy cooperatives (Ambition 7.1).            The Basque Government recognizes the important role of citizens in driving the energy transition, and so aims to put consumers at the heart of this energy transition by converting them into 'prosumers' through the deployment of EKIOLA, a program that will create prosumer power cooperatives. Each cooperative will build and operate PV parks that will produce energy according to the demand required by the cooperative members.            The EKIOLA projects have started in 2021 and will finish in 2024. During this period, 30 to 50 nonprofit cooperative energy communities will be established. These energy communities will have a life period of, at least, 25 years. The minimum required participants to develop an energy community under the EKIOLA initiative is 400 members. This represents the involvement of 12,000 to 20,000 families by 2024.</p>	<p><i>Start and end date</i>            2021-2024</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i>            Action 2: To promote the installation of 30 to 50 new PV power plants in the Basque Country, that will generate clean electricity without GHG emissions (Ambition 7.2).            EKIOLA promotes a consumer-centric energy scheme, where consumers are producers at the same time (prosumers). The new solar PV plants will be installed in urban areas, producing Km0 renewable electricity. The citizens will be prioritized as members of the energy community that will be also open to the participation of local administration and business. Each member of the energy community will cover 100% of his electricity demand from a local PV plant. The PV installations will have a size of 1MW to 5 MW, this is a total of 30MW to 250MW new PV power capacity in the Basque Country.</p>	<p><i>Start and end date</i>            2021-2024</p>

**SECTION 3: OUTCOMES**

3.1. Please add at least one measurable and time-based outcome for **each** of the actions from section 2. [Please add rows as needed].

<p><i>Outcome</i>            Action 1: Set up of 30 to 50 nonprofit cooperative energy communities.            Action 1: Involvement of 12,000 to 20,000 families as members of the energy communities (prosumers).            Action 2: 30MW to 250MW new PV power capacity (30 to 50 new PV installations).</p>	<p><i>Date</i>            2024            2024            2024</p>
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**SECTION 4: REQUIRED RESOURCES AND SUPPORT**

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

Action 1: Investment of €3.6M - €6M Million (M)  
 Action 1: No investment required.  
 Action 2: Investment of €0.8M - €4M per energy community, depending on the land price, this means a total investment of €24M - €200M.

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.

The Basque Country (Spain). The Basque Country is a region in Spain with a surface area of 7,234 sq.km and a population of 2,200,000 inhabitants. The objective of EKIOLA is to engage 12,000 to 20,000 families by 2024, as members of the energy communities set up.

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]*

Description of action (please specify for which ambition from Section 1) Action 1: Creation of prosumer energy cooperatives (Ambition 7.1).	SDG 11: Make cities and human settlements inclusive, safe, resilient and sustainable. EKIOLA promotes a consumer-centric energy scheme, where consumers are producers at the same time (prosumers). The new solar PV plants will be installed in urban areas, producing Km0 renewable electricity. The citizens will be prioritized as members of the energy community that will be also open to the participation of local administration and business.
Description of action (please specify for which ambition from Section 1) Action 2: To promote the installation of 30 to 50 new PV power plants in the Basque Country, that will generate clean electricity without GHG emissions (Ambition 7.2).	SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for all. Each new energy community will build a solar PV plant with an installed power between 1 MW and 5 MW. The owners will be the citizens (prosumers), members of the energy community that will be established as a nonprofit cooperative.  SDG 12: Ensure sustainable consumption and production patterns.

Each member of the energy community will cover 100% of the electricity demand from a local PV plant. Thus, each participant will purchase only the PV panels required to meet the demand.

SDG 13: Take urgent actions to combat climate change and its impacts.  
EKIOLA will promote the installation of 30 to 50 new PV power plants in the Basque Country that will generate clean electricity without GHG emissions.

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]

EKIOLA is focused on responsible consumption through joint actions of citizens and the production of clean energy without GHG emission, therefore, all actions are aligned with the objectives of the Paris Agreement, in particular with: a) Holding the increase in the global average temperature to well below 2 °C above pre-industrial levels, and to pursue efforts to limit the temperature increase to 1.5 °C above pre-industrial levels, recognizing that this would significantly reduce the risks and impacts of climate change.

## SECTION 6: MONITORING AND REPORTING

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

In partnership with UN-Energy, and to enable achievement and tracking of this Energy Compact, the Basque Government commits to report and to measure progress on this Energy Compact on an annual basis, with the results being made public.

The following Key Performance Indicators will be tracked in the period 2021-2024:

- Energy communities set up (number)
- Members of the energy communities (number)
- New PV installations built (number)
- New PV power capacity (MW)
- Annual PV production (kWh)

## SECTION 7: GUIDING PRINCIPLES CHECKLIST

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

Energy Compact of the Basque Country

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)

Basque Government

8.3. Lead entity type

Government

Local/Regional Government

Multilateral body /Intergovernmental Organization

Non-Governmental Organization (NGO)

Civil Society organization/Youth

Academic Institution /Scientific Community

Private Sector

Philanthropic Organization

Other relevant actor

8.4. Contact Information

Delegation of the Basque Country in the United States, 820 Second Avenue suite 13B NY 10017; Felipe Victoria – UN Policy Officer, fe-victoria@euskadi.eus

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.

<https://ekiola.eus/es/>