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### **Second Party Opinion**

# Irradiasol Dominicana Ltd. SRL's Green Financing Framework

Feb. 13, 2025

**Location:** The Dominican Republic **Sector:** Power Generation

Alignment Summary

Aligned = 🗸 Conceptually aligned = 🧿

Not aligned = 🗶

✓ Green Loan Principles, LMA/LSTA/APLMA, 2023

See Alignment Assessment for more detail.

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Activities that correspond to the long-term vision of a low-carbon climate resilient future.

Our <u>Shades of Green</u> <u>Analytical Approach</u> >

### Strengths Weaknesses Areas to watch

The issuer follows Acciona Energía's policies and procedures. This implies a robust due diligence process and a climate change strategy approved and supervised by the board of directors.

The framework uses Local Impact Indicators (LIIs) to promote the livelihood of the communities living adjacent to the financed green project. However, proceeds under this framework will not be directly allocated to social improvement purposes.

Life cycle assessments (LCA) have been performed for the financed project. We view this as positive as it provides visibility on the full climate impacts of renewable energy projects, such as emissions from materials sourcing, manufacturing, transportation, construction, and end-of-life disposal.

No weaknesses to report.

Solar power generators are exposed to supply-chain risks. Raw materials for solar photovoltaic (PV) assets, such as polysilicon, can be sourced from geographies with weaker environmental and social protections. That said, Acciona Energía has a process in place to perform supplier due diligence and monitoring in accordance with its risk management policies, which may mitigate such exposure for Irradiasol.

### Shades of Green Projects Assessment Summary

The issuer commits to allocate 100% of the proceeds to the eligible renewable energy project. The proceeds will finance the construction and operation of a solar PV facility of 82.69 MWp located in the province of San Juan de la Maguana, the Dominican Republic.

Based on the project category Shades of Green detailed below, the expected allocation of proceeds, and consideration of environmental ambitions reflected in Irradiasol Dominicana, LTD Green Financing Framework, we assess the framework Dark Green.



Construction, installation, and operation of electricity generation facilities that produce electricity using solar PV technology.

See Analysis Of Eligible Projects for more detail.

### **EU Taxonomy Assessment Summary**

We believe issuer's solar photovoltaic eligible economic activities under the EU Taxonomy meet both the substantial contribution and do no significant (DNSH) criteria, and its procedures are aligned with the minimum safeguards.

The asset is located in the Dominican Republic. The issuer has conducted an environmental impact assessment in accordance with local regulations, which aligns with the EU taxonomy biodiversity do no significant harm (DNSH) criteria for third countries. Regarding the climate adaptation DNSH criteria, the issuer has conducted an assessment to identify physical climate risks that could affect its operations, using the IPCC scenarios, and the Network of Central Banks and Supervisors for Greening the Financial System. According to the company, the economic activity under the framework is exposed to low chronic and acute physical risks.

The issuer follows Acciona Energía's policies and procedures which we believe are aligned with the human rights, anticorruption, taxation and fair competition core components of the EU taxonomy minimum safeguards.

		Technical screening criteria				
Economic activity	Expected allocation	Substantial contribution	Do no significant harm	Minimum safeguards (Issuer level)	Overall alignment	
4.1 Electricity generation using solar photovoltaic technology	100%	~	~	~	~	

Aligned = V Not aligned = X Not covered by the technical screening criteria = -

See EU Taxonomy Assessment for more detail.

# **Issuer Sustainability Context**

This section provides an analysis of the issuer's sustainability management and the embeddedness of the financing framework within its overall strategy.

### **Company Description**

Irradiasol Dominicana is an operating company established by Acciona Energía Global, SL (Acciona Energía), and Katenor Iberia S.L., with the sole purpose to develop and operate the Pedro Corto Photovoltaic Park. The entity has a total planned net installed capacity of 82.69 megawatts peak (MWp) and an estimated annual production of 189 megawatt hours (MWh). Irradiasol Dominicana, SRL's portfolio will consist the Pedro Corto PV Park located in the province of San Juan de la Maguana, the Dominican Republic. The entity estimates that commercial operations will begin in 2026. Irradiasol Dominicana, SRL has secured power purchase agreements (PPAs) of 15 years with local distributors and expects to sell energy at spot market prices after the PPAs' expiration.

Irradiasol Dominicana, SRL is owned by Acciona Energía (51%) and Katenor Iberia S.L. (49%). Acciona Energía, the controlling shareholder, is a renewable energy company based in Spain, with a total net installed capacity of 13.6 gigawatts (GW) as of 2023 and operations across 20 countries. Meanwhile, Katenor Iberia S.L. is an investment vehicle whose shareholders are SIAP Grupo Pais, S.L. Irradiasol Dominicana, SRL adopts the policies and procedures of the controlling shareholder.

### Material Sustainability Factors

#### Climate transition risk

Power generation is the largest direct source of greenhouse gas emissions globally, making this sector highly susceptible to the growing public, political, legal, and regulatory pressure to accelerate climate goals. Public awareness of the urgency for climate action has reached a turning point. In turn, policymakers and regulators are more often pushing for faster transition to lower carbon energy, especially as these technologies become more mature and cost competitive. Over the past decade, we have seen multibillion-dollar impairments for most polluting assets, reflecting their weaker economics as taxes increase, and they are displaced by new, cleaner technologies. In addition, more stringent decarbonization rules may sometimes restrict their license to operate. The number of countries announcing pledges to achieve net zero emissions over the coming decades continues to grow. With no direct emissions, renewable energy technologies have a vital role to play in reducing emissions associated with power and heat.

### Physical climate risk

Given fixed assets, generators are relatively more exposed to physical climate risks compared to other sectors. For stakeholders, extreme weather events, including wildfires, hurricanes, and storms, are becoming more frequent and severe and can result in power outages for large populations of users. The physical climate risks generally involve significant financial losses for operators due to repairs, but more importantly, from exposure to extreme power price spikes or claims due to business disruption. We expect these dynamics to continue but vary regionally depending on regulatory responses.

#### Impact on communities

Renewable energy projects are typically situated in secluded areas, either rural, indigenous, or in other communities. While construction of renewable energy projects can promote job creation, improve energy access, and reduce air pollution, they could also affect communities and compete for land with other vital activities that are part of traditional land management, which include agriculture. This can lead to community opposition, conflicts over land rights, and resource allocation issues. It is crucial

for the sector to engage in actions to minimize the environmental and social impact, secure community consent, and ensure that local communities benefit from its assets implementation.

### Biodiversity and resource use

Renewable power, which is growing to meet climate goals, may require large land areas that can be located in sensitive habitats where they can alter ecosystems, impact species, and compete with other valuable land uses such as agriculture. In most jurisdictions, local regulations require that renewable projects are accompanied by environmental impact assessments to identify biodiversity risks as well as mitigation measures to avoid or reduce potential harm. In addition to siting concerns, renewable energy infrastructure construction, operation, and decommissioning can entail ecosystem disruptions and biodiversity risks without sufficient safeguards. The sourcing of materials for energy infrastructure, particularly for solar generation and batteries, can also contribute to biodiversity loss. The sector's growing demand for critical raw materials could pose other environmental risks such as pollution or accessibility to those resources, that may conflict or jeopardize future climate goals. This may become an increasing concern, depending on the pace of the transition.

### **Issuer And Context Analysis**

The project financed under the framework aims to address climate transition risk, which we consider a material sustainability factor for the entity. In addition, physical climate risks are relevant for the industry where the entity operates. Moreover, we believe renewable energy projects and related infrastructure could have negative impacts on local communities and biodiversity if risks are not managed adequately. Nevertheless, Irradiasol's framework includes social commitments that could mitigate local community risk and introduce benefits to adjacent communities. Similarly, we believe Irradiasol has a good management of local biodiversity loss risks.

Irradiasol operations directly address climate transition risk since it is solely dedicated to the construction and operation of solar PV assets. The controlling shareholder promotes the development of renewable energy to generate clean electricity and reduce fossil fuel energy dependence globally. Irradiasol's eligible project will support the availability and use of renewable energy in the Dominican Republic. As of 2022, the country's energy matrix consisted of renewable energy (approximately 17.6%; hydro [7.1%], wind [5.9%], solar [3.7%], and biomass [0.9%]) while the remaining 82.4% was derived from fossil fuels.

Potential physical climate risks have been assessed for Irradiasol's project at the regional level. Aligned to the EU Taxonomy, Acciona Energía conducts a climate risk vulnerability assessment (CRVA) using the scenario analysis for projects in its portfolio. The issuer conducts an annual ESG risk review to analyze the risks and opportunities associated with each of its assets. We consider this is an important mitigant since the Dominican Republic is exposed to physical climate risks such as cyclones and hurricanes. These extreme weather events are foreseen to increase in probability temperatures continue to increase. Based on the controlling shareholder's assessment and strategy, we think the project will receive the necessary investments to be resilient during its expected economic lifespan. Once the project begins its commercial operations, Irradiasol will perform annual climate risk and vulnerability assessments at the project level.

Irradiasol's framework introduces LIIs that aim to support the livelihood of the communities adjacent to the financed green project. This initiative is aligned with the controlling shareholder's sustainable financing approach. ACCIONA S.A. (Acciona Energía's parent company) includes local impact initiatives on every sustainable financing arrangement to address social needs and contribute to the fulfillment of the 2030 Agenda. The LII included in the framework is Number of new households in rural areas in developing countries with access to electricity and water services. The investment for the LII may derive from the financial benefits of the sustainable financing arrangements agreed with the lenders. We believe LIIs can benefit local communities and we view the additional social commitment of the financed green project as positive. In line with Acciona Energía's processes, the project's feasibility includes a social risk

assessment and stakeholder communication. Acciona Energía has a process in place to manage social impacts in which, depending on the level of social risk, it allocates funds to address the project's social impact. Furthermore, we consider the company's Internal Control System for Social Safeguards (ICSSS) robust enough to mitigate potential human rights risks. This system includes identification and assessment, implementation of controls, and internal audit.

# **Alignment Assessment**

This section provides an analysis of the framework's alignment to [Social/Sustainability/Green Bond/Loan] principles.

### Alignment Summary

Aligned = 🗸

Conceptually aligned = O

Not aligned = X

✓ Green Loan Principles, LMA/LSTA/APLMA, 2023

### ✓ Use of proceeds

All of the framework's green project categories are shaded in green, and the issuer commits to allocate the net proceeds issued under the framework exclusively to eligible green projects. Please refer to the Analysis of Eligible Projects section for more information on our analysis of the environmental benefits of the expected use of proceeds. The framework specifies that the proceeds of the issuance will exclusively be allocated to finance or refinance construction, installation, and operation of solar PV assets.

### ✓ Process for project evaluation and selection

The framework outlines how the project fits into the eligible project categories of the Green Loan Principles. The process for project evaluation and selection is straight forward, given Irradiasol's pure-play nature whereby renewable energy is the only permitted purpose of the entity. To identify and manage perceived social and environmental risks associated with the eligible projects, Irradiasol conducts the social and environmental risk assessment in accordance with its controlling shareholder's internal policies and procedures.

### Management of proceeds

Net proceeds issued under the framework will be transferred to a specific account, which Irradiasol will use exclusively for the construction and operation of solar PV assets. The terms of the loan agreements issued under the framework will govern the transfer and use of proceeds. The proceeds will also be reported as required in loan agreements. The disbursement of the funds will depend on Irradiasol's request according to the requirements of project execution. Therefore, there will not be unallocated proceeds, as the funds will be made available according to the capital expenditure needs of the financed project.

### ✓ Reporting

Irradiasol commits to provide lenders with annual reports with information on proceeds allocation and impacts of the project. Additionally, during the construction and operation phase, the entity commits to publish annual reports containing the project's expected impact. Impact reports will include quantitative performance measures such as capacity of renewable energy plants in MW, generation from renewable energy plants in GWh, and the expected avoided greenhouse gas emissions in tCO2.

# **Analysis Of Eligible Projects**

This section provides details of our analysis of eligible projects, based on their environmental benefits and risks, using the "Analytical Approach: Shades Of Green Assessments".

### Overall Shades of Green assessment

Based on the project category shades of green detailed below, the expected allocation of proceeds, and consideration of environmental ambitions, we assess Irradiasol's green financing framework Dark green.



Activities that correspond to the long-term vision of a low-carbon climate resilient future.

Our <u>Shades of Green</u> <u>Analytical Approach</u> >

### Green project categories

#### Renewable energy

Assessment Description



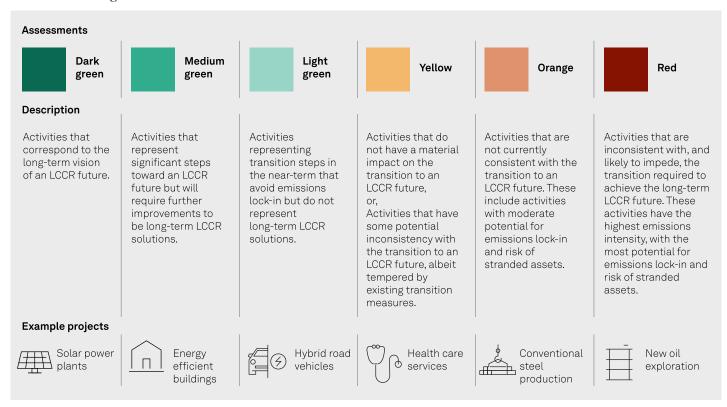
Electricity generation using solar PV technology

#### **Analytical considerations**

- Renewable energy, including solar PV, is key to decarbonizing the energy sector if local environmental impacts and valuechain risks are carefully managed.
- The project will not have direct connections to emission-intensive sectors, eliminating value-chain climate impacts. The entity will provide electricity to distribution companies through long-term PPAs. End consumers are mainly residential clients.
- All of Acciona 's projects, including the Pedro Corto Photovoltaic Park, have LCAs to quantify greenhouse gas emissions. We view this as positive as it provides visibility on the full climate impacts of renewable energy projects, such as emissions from materials sourcing, manufacturing, transportation, construction, and end-of-life disposal.
- End-of-life treatment is a material factor for solar PV projects and will become critical in the medium future, as solar PV current stock reaches the expected lifetime. To mitigate this risk, the entity has contracts with third parties to recycle solar PV components. As part of the parent company's circular economy approach, the project expects to recycle close to 80% of the components.
- Solar panel supply chains involve meaningful environmental and social risks from the mining of raw materials, including concerns about forced labor in some manufacturing. Acciona Energia's due diligence aims to mitigate exposure to such risks (more information in the EU Taxonomy alignment section).
- Acciona Energia assesses climate risk vulnerability using the scenario analysis for projects in its portfolio. According to the
  company's latest assessment, solar PV projects have low physical climate risks (more information in the EU Taxonomy
  alignment section).
- We believe Irradiasol has good management of local biodiversity loss risks. The project does not directly or indirectly affect
  any protected area. There will be no significant land conversion, given that the project's location is considered as degraded

land used for pasture. Moreover, the entity commits to implement biodiversity restoration and compensation measures based on the findings of the EIA of the assets.

#### S&P Global Ratings' Shades of Green



Note: For us to consider use of proceeds aligned with ICMA Principles for a green project, we require project categories directly funded by the financing to be assigned one of the three green Shades.

LCCR--Low-carbon climate resilient. An LCCR future is a future aligned with the Paris Agreement; where the global average temperature increase is held below 2 degrees Celsius (2 C), with efforts to limit it to 1.5 C, above pre-industrial levels, while building resilience to the adverse impact of climate change and achieving sustainable outcomes across both climate and non-climate environmental objectives. Long term and near term--For the purpose of this analysis, we consider the long term to be beyond the middle of the 21st century and the near term to be within the next decade. Emissions lock-in--Where an activity delays or prevents the transition to low-carbon alternatives by perpetuating assets or processes (often fossil fuel use and its corresponding greenhouse gas emissions) that are not aligned with, or cannot adapt to, an LCCR future. Stranded assets--Assets that have suffered from unanticipated or premature write-downs, devaluations, or conversion to liabilities (as defined by the University of Oxford).

# **EU Taxonomy Assessment**

In our EU Taxonomy assessment, we opine on whether an eligible project to be financed aligns with the EU Taxonomy in cases when the economic activity is covered by technical screening criteria (TSC), which is incorporated into European law via delegated acts. (see "Analytical Approach: EU Taxonomy Assessment").

We believe Irradiasol's solar photovoltaic eligible economic activity under the EU Taxonomy meet both the substantial contribution and do no significant (DNSH) criteria on climate adaptation, circular economy, and biodiversity protection, and its procedures are aligned with the minimum safeguards.

The asset is located in the Dominican Republic. The issuer has conducted an environmental impact assessment in accordance with local regulations, which aligns with the EU taxonomy biodiversity do no significant harm (DNSH) criteria for third countries. Regarding the climate adaptation DNSH criteria, the issuer has conducted an assessment to identify physical climate risks that could affect its operations, using the IPCC scenarios, and the Network of Central Banks and Supervisors for Greening the Financial System. According to the company, the economic activity under the framework is exposed to low chronic and acute physical risks

Irradiasol Dominicana, SRL adopts the policies and procedures of the controlling shareholder, Acciona Energía. We believe Acciona Energía's procedures are aligned with the human rights. anticorruption, taxation and fair competition core components of the EU taxonomy minimum safeguards.

### EU Taxonomy - Detailed analysis

#### 4.1 Electricity generation using solar photovoltaic technology

The issuer commits to allocate 100% of the proceeds to the activity of electricity generation using solar PV technology, located in the Dominican Republic, which we believe is aligned with the TSC for substantial contribution to the EU's climate mitigation objective.

#### Opinion **Key findings**

#### Substantial contribution: Technical screening criteria assessment



We believe that expenditures related to the development, expansion, construction, maintenance, acquisition, and/or operation of solar PV technology contribute substantially to EU's climate mitigation objective by displacing emissions intensive electricity generation.

#### Do no significant harm (DNSH): Technical screening criteria assessment

- According to the EU taxonomy, this activity must not significantly harm climate adaptation, circular economy, and biodiversity conservation efforts. The pollution prevention and water DNSH criteria are not applicable for the issuer's economic activity.
- Acciona Energía conducts the climate risk and vulnerability assessment for the economic activity financed under this framework. Once the project begins its commercial operations, Irradiasol will perform annual climate risk and vulnerability assessments. The climate scenarios used to identify are those provided by the latest Intergovernmental Panel on Climate Change (IPCC) reports, and the Network of Central Banks and Supervisors for Greening the Financial System (NGFS). The company determines risk, using a risk matrix that contains probability, level of sustainability impact and financial consequences. According to the company, the economic activity under the framework is exposed to low chronic and acute physical risks. Chronic risks could decrease revenue due to lesser sunlight availability. And acute risks could stem from damages to the infrastructure caused by extreme weather events. The company estimates low financial impact, and if applicable will establish mitigation actions such as

- adjusting the infrastructure, to reduce potential impacts of physical risks. Additionally, the company confirms that the potential adaptation solutions do not adversely affect adaptation efforts according to the EU Taxonomy requirements.
- The company meets the DNSH criteria for circular economy. The company assesses availability of, and where feasible, uses equipment and components of high durability and recyclability and that are easy to dismantle and refurbish. the controlling Irradiasol follows Acciona Energia's circular economy policy, which focuses on extending the value of products, minimizing waste and conserving resources. The policy requires Irradiasol use a life cycle analysis to assess and reduce the waste impact of its products.
- Acciona Energía has conducted an environmental impact assessment (EIA), and has mitigation, compensation, and surveillance
  plans for protecting the environment which is in line with the Appendix D of the biodiversity DNSH of the EU Taxonomy, when
  engaging in activities in third countries. When Acciona Energía operates in non-European countries, it always adheres to the
  pertinent national laws on biodiversity protection.

Aligned = ✓ Not aligned = 🗶

### Minimum safeguards assessment at issuer level

#### Opinion Key findings

- Acciona Energía's policies, which apply to Irradiasol, cover environmental, sustainability, human rights, workers' rights, and governance including bribery and corruption, taxation, and fair competition.
- The issuer has a comprehensive human rights due diligence process in place. The process includes the identification, evaluation, prevention, mitigation, monitoring, and communication of potential human rights risks in its activities. Acciona Energia's Human Rights Policy describes the due diligence strategy in place, and suppliers, associates, and contractors must align with this policy. Moreover, the identification and assessment of human rights risks is carried out on an annual basis and includes supply-chain controls. The company has a "No-Go" policy that excludes suppliers that fail to comply with Acciona Energia's policy and controls. The social risk analysis includes the assessment of five social variables covering 20 indicators related to human rights including workers' rights. Acciona Energía has the ICSSS to prevent and mitigate detected human rights risks. The ICSSS is internally monitored by the Audit and Sustainability Committee. In addition, the Corporate Standard for Social Impact Management of Projects' procedures, together with Corporate Instruction on Relations with Communities and other Stakeholders, set out the guidelines for managing social performance throughout the life cycle of the project.
- To prevent bribery and corruption, Acciona Energía has specific policies additional to the Code of Conduct, that have been approved by the board of directors. The policies are based on international standards and regulate aspects such as donations, selection of partners and contractors, international trade sanctions, antitrust and fair competition, among other relevant topics. Acciona Energía has implemented an Organization and Management Model for Crime Prevention and Anti-Corruption, which includes measures and controls to mitigate these risks. The company has certified its internal management system for criminal, anti-bribery, and tax compliance for operations in Spain under UNE 19601 and ISO 37001. Additionally, it is extending the scope of certification in third countries under ISO 37001. We consider this last point particularly relevant, given that the company identifies the Dominican Republic as one of the countries of operation with high ESG risks. Additionally, the entire workforce receives mandatory training on bribery, taxation, and fair competition.
- Acciona Energía commits to responsible taxation and has a tax policy that meets the UNE 19602 certification standards. It is also committed to adhering to the OECD Guidelines for Multinational Enterprises on taxation. Acciona Energía has a robust structure to comply with tax regulations and is an important element of the board of directors' oversight, at both the controlling shareholder and Irradiasol Dominicana, SRL level. Acciona Energía's tax compliance department reviews the adoption of the company's tax compliance management system. Meanwhile the Finance & Taxation Control Department supervises compliance with obligations in each jurisdiction where the company operates. The investment process at Acciona Energía requires a prior analysis through an independent provider of any third party with which the company is going to establish relations. Through this assessment, the company can access information of the third party related to possible litigation in matters of corruption, money laundering, fraud, tax evasion, among other data. This process was carried out for Irradiasol Dominicana, SRL and all the companies that compose it.
- Finally, following the European Commission's Platform on Sustainable Finance recommendations on minimum safeguards and by the issuer's confirmation, the issuer or its shareholders have not been convicted at the applicable last instance court of any of the four core topics of the minimum safeguards.

Aligned = ✓ Not aligned = 🗙

### **Related Research**

- SPO Spotlight: Second Party Opinions, March 28, 2024
- Analytical Approach: Second Party Opinions: Use of Proceeds, July 27, 2023
- FAQ: Applying Our Integrated Analytical Approach for Use-of-Proceeds Second Party Opinions, July 27, 2023
- Analytical Approach: Shades of Green Assessments, July 27, 2023
- <u>S&P Global Ratings ESG Materiality Maps</u>, July 20, 2022

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