

# **Investor Presentation - Green SNP**



June 2023

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# Green, Social and Sustainability Bonds Framework



# Green, Social and Sustainability Bonds Framework published in July 2021

### GREEN, SOCIAL AND SUSTAINABILITY BONDS FRAMEWORK:

- Aligned with the ICMA Principles 2021
- Positive Second Party Opinion released by ISS ESG
- The development of a Green, Social and Sustainability Bonds Framework is fully complementary with Banco BPM's commitment and strategy to address climate change and to provide a positive social outcome in its business conduct
- In setting up its framework, Banco BPM mandated CRIF Real Estate Services to provide a technical analysis of the Italian residential market, with the aim to establish a reference framework for the Italian Green Bond market and to position the selection of Banco BPM's Green Mortgage loan portfolio at the very best market practices
- The Framework is an umbrella document that enables Banco BPM to issue Green Bonds, Social Bonds and Sustainability Bonds; either unsecured, such as
   Senior Unsecured Bonds, or secured instruments, such as Covered Bonds
- The Framework is structured according to the ICMA Green Bond Principles 2021, Social Bond Principles 2021 and Sustainability Bond Guidelines 2021<sup>1,</sup>
  - **Eligible Green Loans** financed by Banco BPM are expected to create substantial environmental benefits by enabling a significant reduction in GHG emissions and energy consumption
  - Eligible Social Loans financed by Banco BPM are expected to support employment generation, access to essential services (e.g. education, health, etc.) and affordable basic infrastructure (e.g. transport) and support socioeconomic advancement and empowerment

<sup>1</sup>Note: 1. The International Capital Market Association (ICMA) has defined the 2021 Green Bond Principles, the 2021 Social Bond Principles and the 2021 Sustainability Bond Guidelines on which BBPM's Green Social Sustainability Bonds Framework is built.







**Green Bond** 

### Green, Social and Sustainability Bonds Framework: Detailed description

USE OF PROCEEDS	PROJECT EVALUATION	MANAGEMENT OF PROCEEDS	REPORTING
<ul> <li>New and existing financings belonging to the following <b>Eligible Categories</b>:</li> <li>Green Buildings</li> <li>Renewable Energy</li> <li>Energy Efficiency</li> <li>Pollution prevention &amp; control</li> <li>Sustainable Water Infrastructure</li> <li>Low carbon transportation</li> <li>SMEs and Covid Loans</li> <li>Third and Public Sector</li> <li>Healthcare</li> </ul>	<ul> <li>Appointed Funding ESG Working Group in charge of reviewing, monitoring and updating the Eligible Portfolio</li> <li>Scope of work includes monitoring the Eligible Portfolio and updating the Framework (including new Eligible Categories or update of eligibility criteria) in alignment to the latest best market practice, which could include obtaining updated Second Party Opinion</li> </ul>	<ul> <li>Implementation of internal systems has been made to identify Eligible Loans</li> <li>The Working Group 'Funding ESG' manages the balance of the Eligible Portfolio with the net proceeds of the Green, Social and Sustainability Bonds issued under this framework on a portfolio approach</li> </ul>	<ul> <li>Annual allocation and impact reporting, starting a year after the issuance of each Bond on a portfolio approach basis.</li> <li>Banco BPM makes its Reports available for stakeholders on its website</li> </ul>
···· EXTERNAL REVIEW ····			
	viewed the alignment of the Frameworl e Bond Guidelines	k with ICMA <sup>2</sup> 's Green Bond Principles / S	Social Bond Principles /

An independent auditor verifies the compliance of the Eligible Portfolio with the framework on an annual basis

<sup>2</sup>Note: 1. The International Capital Market Association (ICMA) has defined the 2021 Green Bond Principles, the 2021 Social Bond Principles and the 2021 Sustainability Bond Guidelines on which BBPM's Green Social Sustainability Bonds Framework is built.



# Green, Social and Sustainability Bonds Framework: Use of proceeds (1/3)

Use of proceeds roject ction and aluation

nagement proceeds eporting

xternal Review





# Green, Social and Sustainability Bonds Framework: Use of proceeds (2/3)

Use of Project Management proceeds evaluation of proceeds Reporting

Pollution prevention and control		Development, construction and maintenance of <b>waste management activities</b> contributing to GHG emissions reduction of intensive waste treatment systems ( <b>waste prevention</b> , <b>waste reduction and waste recycling</b> )	12 CEREMONDER AND PRODUCTION AND PRODUCTION	
Sustainable Water Infrastructure	٠	Development, construction and maintenance of <b>water infrastructure contributing to GHG emissions savings</b> through low specific energy consumption in the water collection, treatment and supply system	6 DEAN WATER AND SANITATION	
Low Carbon Transportation	•	Public land transport including infrastructure and non-diesel rolling stock Exclusion of fossil fuel transportation Commercial and passenger electric vehicles	7 AFFORMABLE AND GLEAN ENGRY	13 climat Co



# Green, Social and Sustainability Bonds Framework: Use of proceeds (3/3)

Use of proceeds Project election and evaluation

lanagement of proceeds

External Review

SMEs <sup>3</sup> and Covid Loans	<ul> <li>SMEs located in areas with a GDP per capita below national average, and in areas impacted by natural disasters, emergency,</li> <li>SMEs with the Government Guarantee due to the Covid – 19 global pandemic</li> </ul>	Target population: people working in SMEs to maintain jobs and create capacity for new jobs	8 DECENTIVICA AND DECENTIVICA
Third and Public Sector	• Companies of the third and public sector dedicated to financing projects with positive social impact in the following sectors: healthcare and scientific research, education, clean transportation and environmental protection, art and culture, solidarity and social activities, and fair trade	<b>Target population:</b> people benefitting from positive socio economic outcomes, in priority in sensitive areas, and in priority to youth, elderly and people with disabilities	3 SECONFECTION MOVELLEVENCE MOVELLEVENCE 4 COULTION COULTION 10 REDUCES NORMALINES 10 REDUCES NORMALINES
Healthcare	<ul> <li>Development, construction, maintenance or renovation of activities that strengthen the capacity of free or subsidized healthcare, and early warning, risk reduction and management of health crises</li> </ul>	<b>Target population:</b> aiming at benefitting to all	3 AND WELL SERIE



≤EUR50m turnover or ≤EUR 43m total balance sheet

## Green, Social and Sustainability Bonds Framework: Project selection

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External Review

### Funding ESG Working Group

- Constituted of participants from Business Departments, the Funding and Capital Management team, Risk Management team, Sustainability team, the Investor relation department and the Energy Manager
- Reviews and approves the portfolio of loans proposed by the Business Department
- Will oversee any future updates of the current Framework including the addition of new Eligible Categories and/or the alignment of the eligibility criteria with the latest best market practices; and obtaining an updated Second Party Opinion.

#### **Excluded Activities**

- Investments connected to:
  - fossil fuel
  - nuclear power generation
  - □ armament sector

- SMEs connected with the following sectors:
  - armaments
  - tobacco
  - gambling

### Second Party Opinion:

"ISS ESG finds that the Process for Evaluation and Project Selection description provided by Banco BPM aligns with the GBPs, SBPs and SBGs. Various departments are involved in the Project Evaluation and Selection Process, thanks to an appropriate Working Group. Additionally, a quality check of the loan data is conducted on a regular basis to ensure compliance with the Green, Social and Sustainability Bonds Framework."



# Green, Social and Sustainability Bonds Framework: Management of proceeds

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External Review

### **Banco BPM actions**

- Implementations have been made on internal systems and processes to identify Eligible Loans (Green Mortgages, eligible Renewable Energy Projects, ...)
- Banco BPM will ensure the balance the Eligible Portfolio with the net proceeds of the Green, Social and Sustainability Bonds on a **portfolio approach**
- Banco BPM will make every effort to ensure that the aggregated nominal value of Green/Social Eligible Loans exceeds the aggregated nominal value of all outstanding Green/Social/Sustainability Bonds at any time until the maturity of all outstanding Green/Social /Sustainability Bonds
- Until full allocation, the proceeds of the Bonds are kept in Banco BPM's own treasury, invested in the form of cash or cash equivalent and in accordance with the Treasury special policy.

### Second Party Opinion:

"ISS ESG finds that the Proceeds Management of description provided by Banco BPM aligns with the GBPs, SBPs and SBGs. Earmarking is ensured and Intended types of temporary investment instruments for unallocated proceeds are disclosed. However, no FSG criteria for unallocated proceeds have been put in place."



# Green, Social and Sustainability Bonds Framework: Reporting

Use of proceeds selection and evaluation Management of proceeds Reporting

Externa Review

### **Allocation Reporting**

Until full allocation, Banco BPM will publish an annual report on:

- Breakdown of the Eligible Portfolio per Eligible Green/Social categories to which the outstanding Bonds are allocated
- Share of financing and refinancing (in %) of the Eligible Portfolio as of the date of the Bonds issuance
- Geographical split of the Eligible Portfolio
- Amount of unallocated proceeds, if any

### **Impact Reporting**

Banco BPM will provide some aggregated output and impact metrics such as:

- Breakdown per EPC level and/or external certification and/or per year of construction
- Energy savings or energy performance level reached after refurbishment
- Expected annual renewable energy generation (MWh/y)

### Second Party Opinion:

"ISS ESG finds that the Reporting description is aligned with the Green Bond Principles, Social Bond Principles and Sustainability Bond Guidelines. The issuer has stated clear commitment for the allocation reporting and environmental impact metrics indicators have been set for each use of proceed categories, reflecting best market practices"

**.**.....

- Expected quantity of waste treated, recycled(tones/year)
- Expected quantity of water supplied, stored (m3/year)
- Estimated annual GHG emissions reduced/avoided (in tons of CO2e)
- Estimated number of beneficiaries per year (for Eligible Social Loans)
- Banco BPM published the first Green, Social & Sustainability Bond Reporting last July 2022. Please see the report at <a href="https://gruppo.bancobpm.it/media/dlm\_uploads/GreenSocialSustainabilityBonds\_2022.pdf">https://gruppo.bancobpm.it/media/dlm\_uploads/GreenSocialSustainabilityBonds\_2022.pdf</a>



# Green, Social and Sustainability Bonds Framework: External review

Use of proceeds	selecti	ject on and vation		gement oceeds		orting	Re	ternal eview
Highlights from	m ISS ESG'	s Seco	nd Party O	pinion	ISS	ESC	G 🖻	
Significant Obstruction	Limited Obstructio		No Net Impact	Lim Contri		Signif Contril		
• Banco BPM off energy projects efficient houses for female entre	s, energy e and also f	fficiency inancial	& eco- services	7 AFFORDABLE AND DELAN LINE BAY DELAN LINE BAY 13 CLIMATE		3 GOOD HEALTH AND WELL-BEING 	4 EDUCATION	
SPO Section Framework's link to sustainability strate		ISS Evalue Consiste issuer's sustainal strategy	<b>nt</b> with			8 BEERT WORK AND ECONOMIC BROWTH		
Alignment with GE and SBGs	BPs, SBPs	Positive				11 SUSTAINABLE CITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	
Sustainability qual asset pool and elig Categories	,	Positive				13 climate		I



# Green Loans: focus on the residential building loans portfolio (1/4)

### TOP 15% using EPC labelling scheme

- CRIF methodology on the identification of the portfolio's eligible residential buildings is based on Climate Bonds Initiative (CBI) Taxonomy.
   CRIF has also developed a methodology that is aligned with the criteria of the EU taxonomy.
- The best-in-class approach is implemented by benchmarking the top 15%\* of the existing national stock using the EPC labelling scheme as a proxy.
- Thus, CRIF has applied the following criteria to identify the eligible dwellings complying with the best-in-class approach.

Criterion 1 Residential Buildings with EPC labels: A+*, A, B or C *A4, A3, A2, A1, A+	Criterion 2 For buildings without EPC, new constructions built since 2016 (and until end of 2020)* *a 2.5% haircut over the portfolio identified under this criterion is applied
CRIF Rationale	CRIF Rationale
<ul> <li>The Italian most important database on buildings' energy performance (SIAPE) confirms that EPC labels A+, A, B and C represent 16.8% of the existing residential stock, complying with the top 15% best-in-class approach. The C label straddles the top 15% of the national distribution of EPC labels. In this case, the thresholds on Primary Energy Demand (PED) are used to assess the eligibility of the building for green financing. These thresholds have been defined by CRIF-CTI following the EU taxonomy, which sets technical criteria for sustainable activities.</li> <li>The Italian EPC (Attestato Prestazione Energetica - APE) is mandatory for rent, acquisition, construction of new buildings, energy renovation and real estate ads.</li> </ul>	<ul> <li>According to SIAPE database, 98.3% of residential properties built after 1st of January 2016 have an EPC of A+, A, B and C.</li> <li>The energy performance of the Italian new buildings increases over time, in line with national regulations (e.g. the Ministerial Decree 26/06/2015) and European energy efficiency targets.</li> </ul>



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1. The top 15% is one of the technical screening criteria of the European Taxonomy for the acquisition and ownership regarding buildings built before 31 December 2020. This criteria has been used for mortgages already in the Use of Proceeds of bonds issues.

# Green Loans: focus on the residential building loans portfolio (2/4)



#### Criterion 2

# Distribution of new residential buildings' EPCs according to SIAPE data (2016-2020)





Together to the next level 15

# Green Loans: focus on the residential building loans portfolio (3/4)

#### TOP 15% using Primary Energy Demand



In the following slide is reported the CRIF methodology to implement the Substantial Contribution Criteria of the Delegated Acts of Regulation (EU) 2020/852 (EU Taxonomy), related to the Acquisition and ownership of buildings. In particular, the methodology focuses on the requirement related to the "the top 15%" of the national or regional building stock expressed as operational Primary Energy Demand (PED) and the threshold of the NZEB – 10% criterion.

Criterion 3

### Top 15% most energy efficient buildings (PED)

To identify the energy performance "threshold" below which a building can be considered to be part of the subset of the top 15% most energy efficient buildings of a specific set of buildings CRIF follows this steps:

- Calculate the percentage of EPCs that meet the following criteria
- Analyse the percentiles, from which it is then possible to identify the energy class in which the 15% of EPCs fall
- Identify the average values for each class and the boundaries between classes
- Calculate the EP value corresponding to the 15% threshold

**Criterion 4** 

NZEB - 10%

To identify the energy performance "threshold" below which a building can be considered to be part of the subset of buildings having a performance that is 10% better than the set of so-called "NZEBs" (nearly Zero-Energy Buildings), which in turn can be identified as a subset of the national or regional building stock.

The verification that a building has all the characteristics to be called NZEB is something that requires a series of data in terms of performance parameters and indexes, and possibly other information that is not all available and stored in SIAPE.

Instead, the EPC clearly and explicitly specifies whether a building is an NZEB or not





# Green Loans: focus on the residential building loans portfolio (4/4)

#### Definition of climatic zones



#### Key: GG= Degree for day

Area A GG ≤ 600 (Lampedusa, Porto Empedocle)



Area B  $601 \le GG \le 900$  (Agrigento, Reggio Calabria, Messina, Trapani)

Area C 901 ≤ GG ≤ 1400 (Napoli, Imperia, Taranto, Cagliari)

Area D 1401 ≤ GG ≤ 2100 (Firenze, Foggia, Roma, Ancona, Oristano)

Area E 2101 ≤ GG ≤ 3000 (Aosta, Torino, Milano, Bologna; L'Aquila)

Area F GG≥3001 (Belluno, Cuneo) The threshold that identify the green share of the Italian building stock differs according to the year of construction of the property, the climatic zone and intended use.

As you can see on the map, Italy is currently divided into six climatic zones, ranging from climatic zone A (the hottest) to climatic zone F (the coldest). The subdivision into climatic zones is carried out on a municipality level, based on degree days. This means that for every Italian municipality, the degree days are calculated, and a climatic zone assigned.

The thresholds established in order to identify the top 15% PED or NZEB-10% vary for each climatic zone. In the table are described the identified threshold of Residential properties classified for climate zone, year of construction and classification criterion (Top 15% - Ped and NZEB – 10%)

Residential properties		Climate zone						
Kesi	aennai propern	es	Α	В	С	D	E	F
	Year of construction			Lab	el A			
Type of threshold	<=2020	TOP 15% - PED	65	65	70	75	100	105
	>2020	NZEB - 10%	45	45	50	55	70	70





# Green and Social issuances from Banco BPM



# Banco BPM #1 Green bond issuer among Italian banks in 2022

### SIGNIFICANT ISSUANCE ACTIVITY OF SOCIAL & GREEN BONDS:

• €3.3bn Social & Green bonds issued in the period 2021-Jan. 2023 (o/w €3.0bn under the Green Social & Sustainability Bonds Framework), already above the target for 2021-2024 Additional €300m Green Senior



#### **USE OF PROCEEDS:**

• Social Bond: finance or refinance Italian SME loans guaranteed by the State granted in response to the Covid-19 crisis

Pref. bond issued as a private placement in July 2022

- Green Covered bond: finance or refinance a portfolio of €1.2bn green mortgages granted to households for the purchase of houses which belong to the top 15% energy efficient buildings in Italv
- Green Senior Non-pref. & Pref. bonds: finance or refinance new and/or existing Eligible Green Loans as defined within the Green, Social & Sustainability Bonds Framework (such as green residential mortgages, loans for renewable energy, etc.)

First Green, Social and Sustainability Bond Reporting published in July 2022



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Note: 1. ESG investors: asset managers / owners with alternatively: an ESG strategy (with dedicated Esg analysts and/or proprietary approach using ESG KPIs and with public ESG commitments) or at least mandate to integrate ESG considerations in their AM with high level ESG considerations (like exclusion policy),

# **Eligible Portfolios**



### **GSS Bonds Framework – Eligible Assets**





Here the total amount of eligible assets under the current Green, Social & Sustainability Bonds Framework is presented. As at **31 March 2023**, Banco BPM's total eligible portfolio amounted to about €**15.4bn** of which €**4.1bn** consisting of **Eligible Green Loans** and approximately €**11.4 bn of Eligible Social Loans**.

With the 5 outstanding issues, green and social assets are allocated for more than  $\in 3$  **bn**.



Data in million of euros



### Focus on Eligible Green Loans – Green Residential Buildings (Green Mortgages)

Green Buillding Residential categories	Outstanding amount (€m)	Average ticket size (€k)	# Loans	o/w Allocated (€m)
Buildings Acquisition (year of construction<2021 EPC: A-B-C). Of which EPC A 736m	1,561	133	11,707	1,253
Buildings Acquisition (year of construction2016-2020) Buildings Acquisition (year of construction>=2021 PED;	1,151	141	8,173	1,151
NZEB - 10%) Buildings Acquisition (year of construction<2020 TOP	371	187	1,984	0
15% PED)	471	129	3,644	0
Renovation of Buildings	72	189	383	0
Green Building Residential	3,626	943	25,891	2,404



#### EU Taxonomy criteria



Banco BPM finalized the implementations in order to align the criteria to identify Green Residential Buildings with the SCC established by the EU Taxonomy. The criteria include:

- Mortgages for the purchase of buildings built before 1.1.2021, which have EPC label "A" or is in the top 15% in terms of energy consumed (Primary Energy Demand-PED)
- Mortgages for the purchase of buildings built after 1.1.2021, which have an energy consumption (Primary Energy Demand-PED) at least 10% lower than a NZEB building
- Mortgages for the renovation of buildings that achieve the energy saving target of at least 30% (alternatively the improvement of at least two EPC labels).

According with market practice Banco BPM will keep the previous classification for the assets already allocated in the Use of Proceeds of 4 green bonds issued, which in our case includes mortgages falling into the following categories:

- Mortgages for the purchase of houses with an energy class (EPC) A, B or C;
- Mortgages for the purchase of houses (if an EPC is not available) with were built between 2016 and 2020.





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# Eligible Green Loans – Green Residential Buildings (example)

In January 2021 the borrower applied for a € 350,000 mortgage to purchase a new house built in 2020 and located in Lombardy in a small town north of the city of Milan.

The building is a terraced house of around 200 m2.

The electricity used for the management of the house is produced by solar photovoltaic panels on the roof and provided by the electricity grid. There is an electrical heat pump system to warm the house during winter and cool the rooms during summer.

Thanks to low energy consumption together with self production of energy with solar panels the calculated EPC level is (A4), the highest EPC class with an estimated energy consumption (EP gl, nren) of 18.29 kWh/m2 year and CO2 equivalent of 4.06 kg/m2 year.



	FONTI ENERGETICHE UTILIZZATE	Quantità annua consumata în uso standard (specificare unità di misura)	Indici di prestazione energetici globali ed emissioni		
1	Energia elettrica da rete	1208,58 kWh	indice della prestazione		
	Gas naturale		energetica non rinnovabile		
	GPL		EPgl,nren kWh/m² onno		
	Carbone		18.29		
	Gasolio e Olio combustibile				
	Biomasse solide		Indice clella prestazione		
	Biomasse liquide		energetica rinnovabile		
	Biomasse gassose		EPgl,ren kWh/m² anno		
~	Solare fotovoltaico	2571,85 kWh	37.91		
	Solare termico				
	Eolico		Emissioni di CO2		
	Teleriscaldamento		kg/m² anno 4.06		
	Teleraffrescamento		4.00		
	Altro (specificare) pompe di calore	2024,98 kWh			



### Eligible Green Loans – Renewable Energies e Energy Efficiency



### Renewable Energies e EE

During the past year, some of the projects financed by the bank were analyzed and 28 projects were identified to finance initiatives in the renewable energy sector (solar, wind and hydroelectric energy), which meet the eligibility criteria of the Framework, as well as a construction of a district heating system which potentially falls into the «Energy Efficiency».

Of the 28 just mentioned, 22 photovoltaic and wind projects were refinanced with the issues of 3 Green Bonds made in the period 2022-23. From the documentary analysis that we carried out, it emerged that the projects have around 600 solar and wind energy plants.

Data in million of euros



# Eligible Green Loans - Renewable Energies (example)

### WINDROSE HOLDING SRL



Plant type: wind and photovoltaic plants

Characteristics:

- 4 wind plants for a total production of 114.6 MW
- 3 photovoltaic plants for a total of 3 MW

Location (Italy):

- Region of Puglia and Molise (wind plants)
- Region of Marche (photovoltaic plants)

Scope of the financing: refinancing of the debt and revamping of the plants Amount: EUR 27 m



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