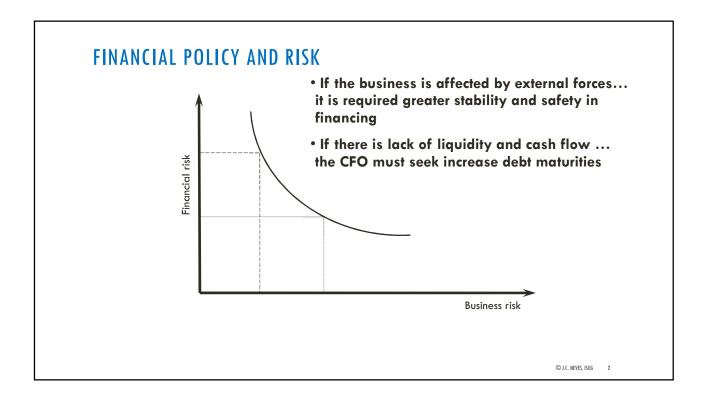


## FINANCIAL POLICY

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## DETERMINANTS OF FINANCIAL POLICY

#### Corporate strategy and Long-term objectives

Cost of various types of financing

#### Impact om:

- Global risk
- Balance sheet ratios
- Interest expenses coverage and Debt service coverage

#### Perspectives on:

- Money market liquidity and cost
- Inflation
- Volatility of revenues
- Corporate profitability
- Short term funding needs

## FINANCIAL ANALYSIS AND POLICY

Analysis of Business Risk:

- Business risk ratio analysis
- Expectations of changes in the future
- Corporate Strategy and Business Performance
- Strategic objectives

#### **Financial Policy Design:**

- Debt ratio
- Net debt to EBITDA
- Interest coverage
- Debt maturity
- Proportion of fixed and variable interest rate
- Exchange currency policy

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## ESTIMATING THE AMOUNT OF REQUIRED EXTERNAL FUNDS

Funding needs =  $\Delta Fixed assets + \Delta WCR + \Delta Cash + \nabla Debt$ 

Internally generated funds: Net Profit + Noncash expenses - Dividends

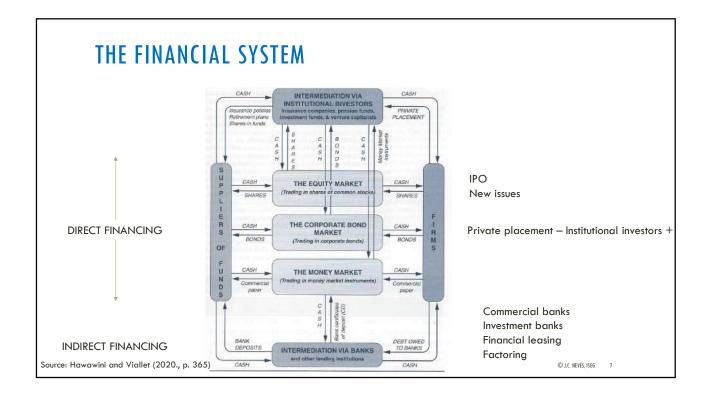
External funds need = Funding needs - Internally generated funds

*External funds need:*  $(\Delta Fixed assets + \Delta WCR + \Delta Cash) - (Net Profit + Noncash expenses - Dividends)$ 

See Excel for an example

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#### MAIN SOURCES OF BUSINESS FINANCE LONG-TERM **MEDIUM-TERM** SHORT-TERM Finances the whole business over Finances major projects or assets Finances day-to-day trading of the with a long-life many years business Share capital Bank loans **Retained profits** Bank overdraft Leasing Venture capital Trade creditors Hire purchase Mortgages Factoring Government grants Long-term bank loans Source: Tutor2you



# RELATIVE SHARE OF ASSETS HELD BY FINANCIAL INSTITUTIONS IN THE US FROM 1860 TO 2017

Types of Financial Intermediary	1860	1900	1939	1970	1980	1990	2000	2010	2017
Banks <sup>2</sup>	89%	81%	65%	56%	56%	42%	29%	29%	29%
Insurance companies <sup>3</sup>	11	14	27	18	15	16	14	12	11
Pension funds	0	0	2	15	19	24	26	25	24
Investment funds	0	0	2	4	4	10	22	22	27
Other	0	5	4	7	6	8	9	12	9
	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total (in billions of US dollars)	\$1	\$16	\$129	\$1,809	\$5,061	\$13,486	\$32,831	\$58,858	\$82,426

<sup>1</sup> From 1860 to 1980, adapted from Kaufman and Mote, *Economic Perspectives* (pp. 2–21, May/June 1994), Federal Reserve Bank of Chicago. From 1990 to 2017, from the Board of Governors of the Federal Reserve System, *Flow of Funds Account*. <sup>2</sup> Includes commercial and savings banks.

<sup>3</sup> Includes life, property, and casualty insurance companies.

# **SECURITIES MARKETS**

#### •Primary and secondary markets

#### • Equity markets

- Stock exchanges regulated markets supervised by the Exchange Stock Commission
  - Listed companies that meet the stringent conditions to be listed (or quoted)
  - Dealers trade shares they own
  - Brokers trade on behalf of a third party and do not own shares
- Over-the-counter markets unlisted securities smaller companies dealers over the phone or by computer
- Institutional investors Insurance companies, Pension funds, Investment funds

#### • Debt securities market or credit market

- Money market maturity less than one year;
- Corporate notes maturity between 1 and 5 years
- Bond market corporate bonds exceeding 5 years maturity
- Green bond -

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# USING DEBT CAPITAL MARKETS TO FUND CLIMATE SOLUTIONS

Green bonds were created to fund projects that have positive environmental and/or climate benefits.

The majority of the green bonds issued are green "use of proceeds" or assetlinked bonds.

Proceeds from these bonds are earmarked<sup>1</sup> for green projects but are backed by the issuer's entire balance sheet.

There have also been green "use of proceeds"<sup>2</sup> revenue bonds, green project bonds and green securitised bonds.

- 1. Money is ser aside for a specific purpose.
- A short document that summarizes how a company that aims to secure additional capital is going to spend the funds



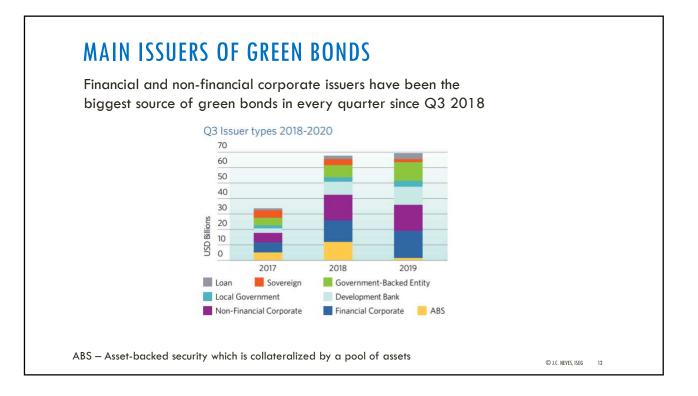


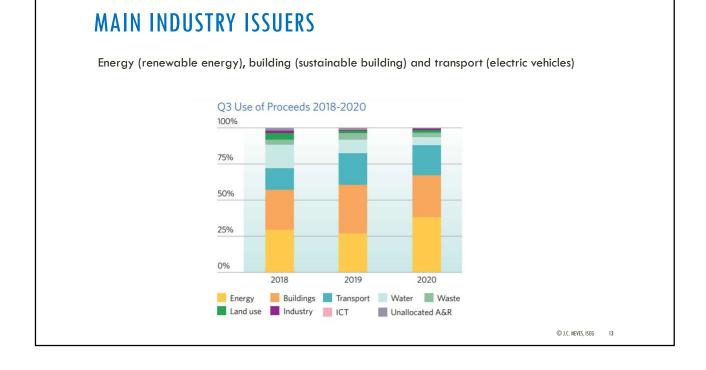
Green Bond Principles Voluntary Process Guidelines for Issuing Green Bonds June 2018

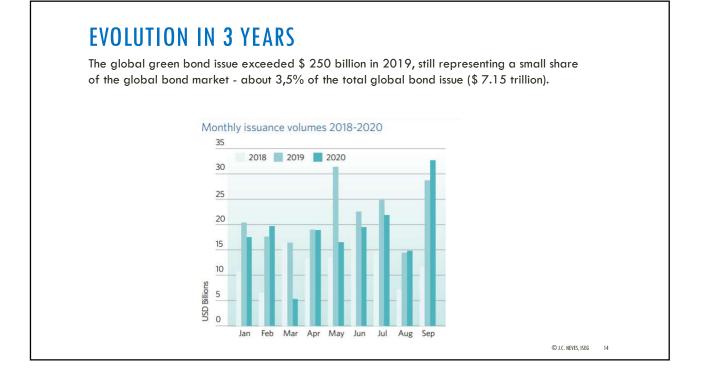
Green Bonds enable capital-raising and investment for new and existing projects with environmental benefits.



- The Green Bond Principles (GBP), updated as of June 2018, are voluntary process guidelines that recommend transparency and disclosure and promote integrity in the development of the Green Bond market by clarifying the approach for issuance of a Green Bond.
- The GBP are intended for broad use by the market: they provide issuers guidance on the key components involved in launching a credible Green Bond;
- they aid investors by ensuring availability of information necessary to evaluate the environmental impact of their Green Bond investments;
- and they assist underwriters by moving the market towards standard disclosures which will facilitate transactions.









# EDP GREEN BONDS ISSUED IN 2020

## EDP issues a €750 million 7year green bond

TUESDAY 07, APRIL 2020

EDP issues a €750 million 7-year green bond

## EDP issues a U.S.\$850 million 7-year green bond

THURSDAY 17, SEPTEMBER 2020

EDP issues a U.S.\$850 million 7-year green bond

### EDP issues a €600 million 7year bond

WEDNESDAY 11, SEPTEMBER 2019

EDP issues a €600 million 7-year bond

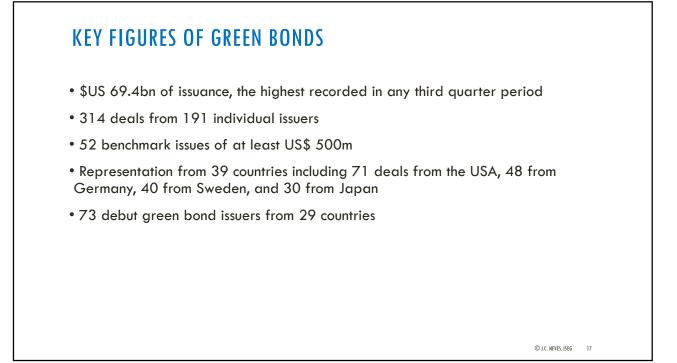
### EDP issues first EUR 600 million green bond maturing in October 2025

UESDAY 09, OCTOBER 2018

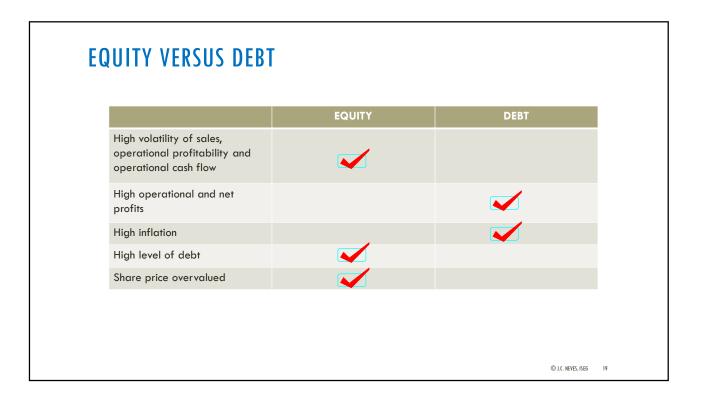
EDP issues first EUR 600 million green bond maturing in October 2025

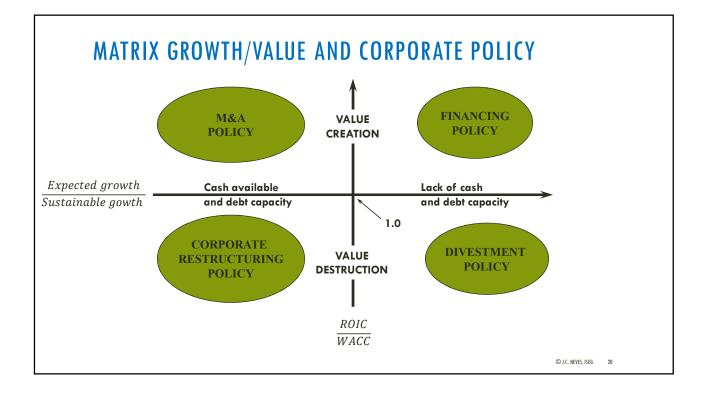
**EDP Green Bond Framework:** 

https://www.edp.com/sites/default/files/edp\_green\_bond\_framework\_october\_2018\_vfinal\_revisao\_2019.pdf



	SHORT-TERM	LONG-TERM	
Easy access	$\checkmark$		
Cost: watch the steepening and flattening Yield Curves	?	?	
Flexibility	$\checkmark$		
Stability	Ť	$\checkmark$	





# HOW TO STRUCTURE THE LONG-TERM FINANCING

- Calculate the ratios of Matrix Growth/Value
- Identify the most relevant risk exposures (both from the treasurer and the controller)
- · Identify desirable characteristics for the financial policy and priorities
- Identify and list the investor's clientele and other financiers (actual and potential)
- Be attentive to the evolution, aptitude and market conditions
- · Combining all aspects and decide the financial policy

## RELEVANT EXPOSURES TO RISK FROM THE POINT OF VIEW

#### TREASURER

- Interest rate risk
- Currency exchange risk

#### • Default risk



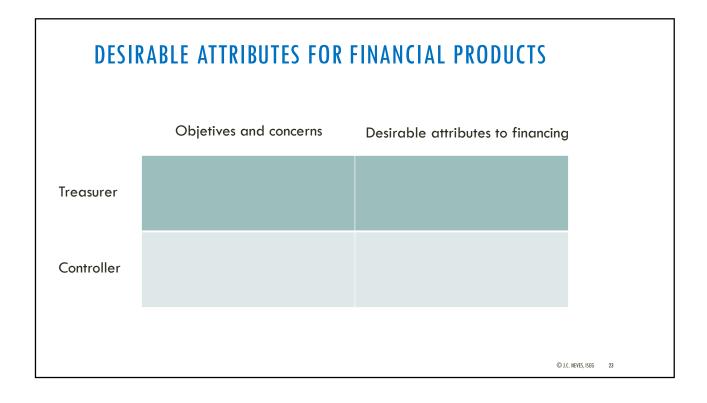
#### CONTROLLER

- Business risk
- Financial risk



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Clientele			Attention +/-	Aptitude +/-	Market conditions	]
Geography	Sector	Instrument				
	Stock exchange	Equity				
	F. Institutions	Debt				1
National	Public					]
	Private					
	Stock exchange	Equity				
	F. Institutions					
	Public Country					
International	Private Country	Debt				1
	Euro-debt	Debt				1
	Euro-bond					1

