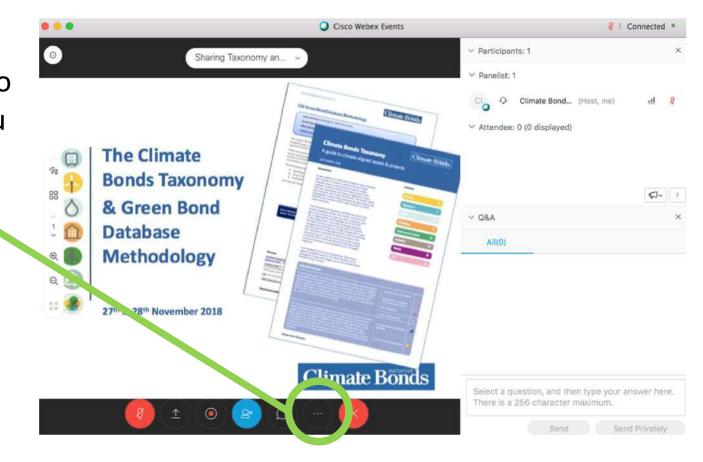
# Welcome to this Climate Bonds webinar make sure your audio is connected!

Use this button and select audio connection. You will be given a choice of whether to connect via computer or phone























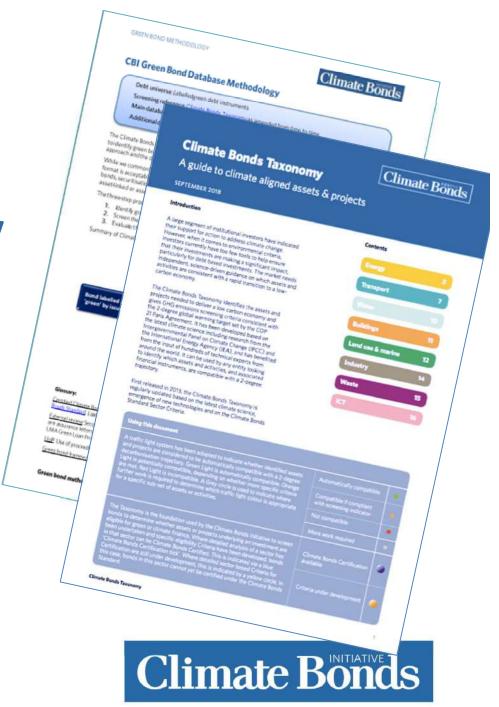






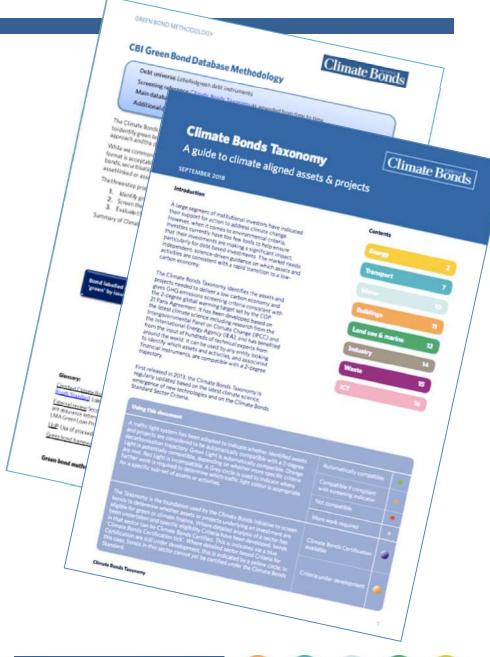
The Climate
Bonds Taxonomy
& Green Bond
Database
Methodology

27th & 28th November 2018



# What we'll cover today?

- **Climate Bonds** Initiative and green bonds
- The Climate Bonds Taxonomy
- Our green bond database methodology















# Climate Bonds Initiative: mobilising debt for climate solutions

- Mobilise (act as a market catalyst):
  - ✓ Policy proposals
  - ✓ Engage with market participants

#### • Inform:

✓ Market intelligence

#### • Trusted criteria:

- ✓ Climate Bonds Taxonomy
- ✓ Climate Bonds Standard & Certification Scheme















### What are Green Bonds?

- Debt securities issued by financial, non-financial or public entities where the proceeds are used to finance green projects and assets
- Regular vanilla bonds with "green" as a bonus feature
- It's about the projects and assets, not the issuer.
- The "green" label is an identification tool for investors

Proceeds to climate projects

- Vanilla bonds no complicated structure
- Comparable pricing
- Refinance as well as project
- 90% investment grade

Any entity

- Governments & DFIs
- Corporates
- Asset owners: PPPs, banks, utilities, etc.
- Municipalities

Any structure

- Senior unsecured
- Asset-backed
- Covered bonds
- Other: loans, Sukuk

Reporting

- Transparency to climate asset or project
- Independent review
- Reporting on use of proceeds







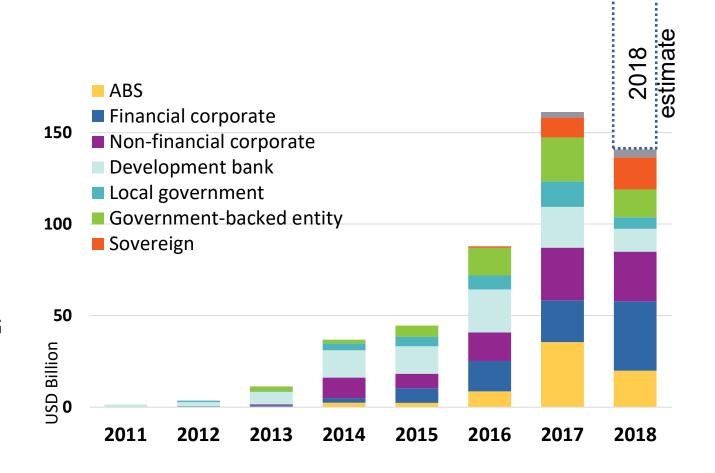






# A growing market

- 2007/8 first bonds from EIB
   World Bank
- < 20bn in total issued before 2013</li>
- Bonds weren't previously in ESG portfolios
- First corporates in 2013







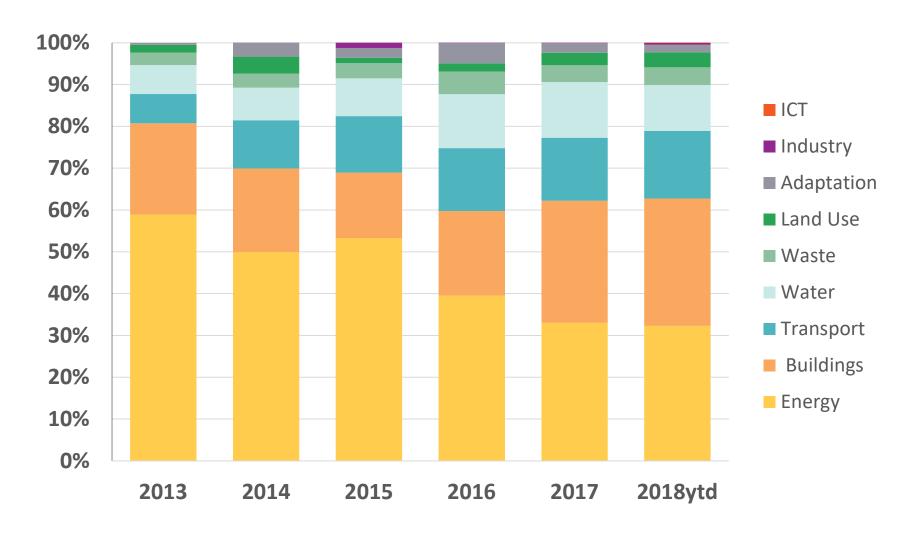








# Green bonds: Use of proceeds is diversifying







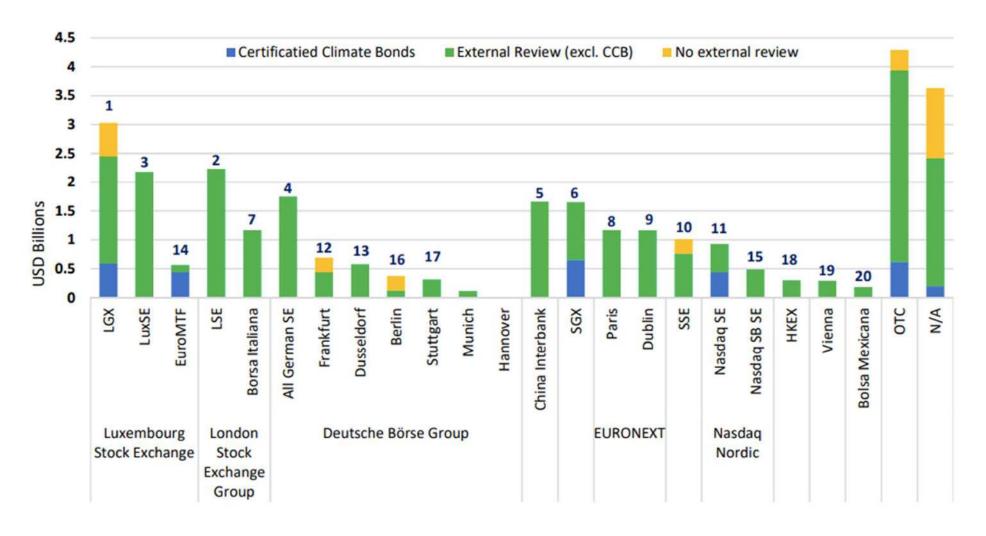








## **External reviews are expected**















# What is the Climate Bonds Taxonomy?

A guide to climate aligned assets & projects

It is available in Chinese & English

















# Who uses the Climate Bonds Taxonomy?

- **Issuers:** guide green bond issuance
- Investors: guide green investing and their engagement with investors
- **Banks**: green tagging on balance sheets
- Govs & munis: green infrastructure pipelines
- **Policy:** inform policy developments





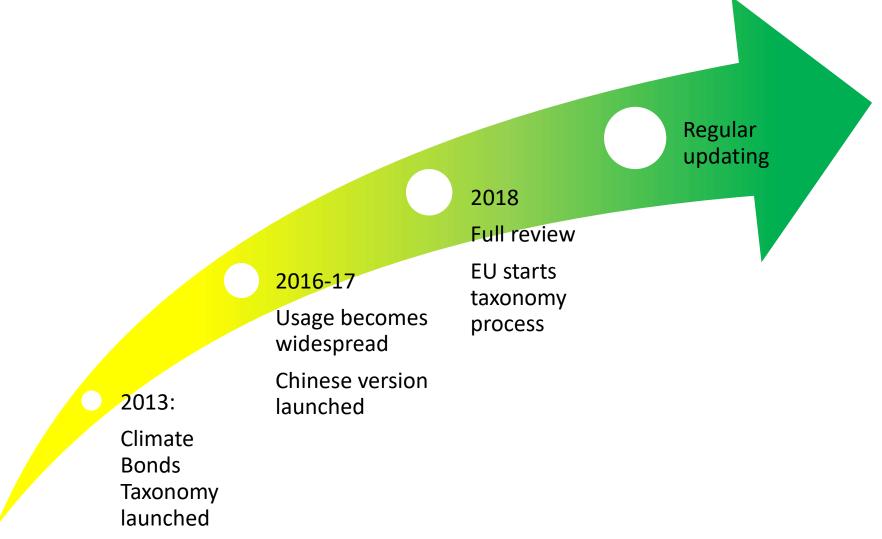








# **History of the Taxonomy**















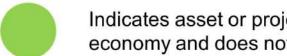
# What does the taxonomy cover?

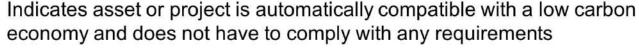


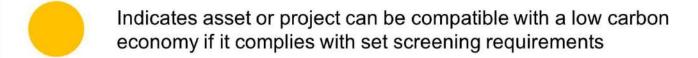


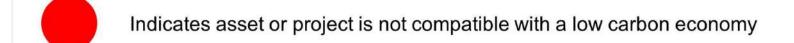
## Reading the Taxonomy

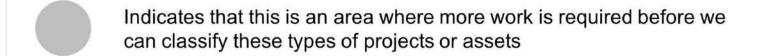
The taxonomy uses a traffic light system to identify eligible assets and projects























# Reading the Taxonomy

or project is asset is For each specific asset indicated as eligible for **Broad** listed a green, orange, eligible by Climate themes: red or grey circle is in Breaks themes condition (i.e. **Bonds** e.g. solar, this column. This down into asset Certification has an orange wind etc. indicates whether the circle in the types and or not – asset or project is 2 specifics to give previous explained degree compliant or more column) then a more on next not granularity screening slide indicator is provided **Energy ELECTRICITY & HEAT PRODUCTION** Asset type **Asset specifics** 2 degree **Screening indicator** Certifiable compliant





When an asset







Shows if an



## **Reading the Taxonomy**

The following symbols are used to indicate when Climate Bonds Certification is available.

If that column in blank it means that we have not started Sector Criteria development

Climate Bonds Certification available Criteria under development













## How has it been updated?

Latest climate science, technology and +200 experts provide input through the Climate Bonds Standard development



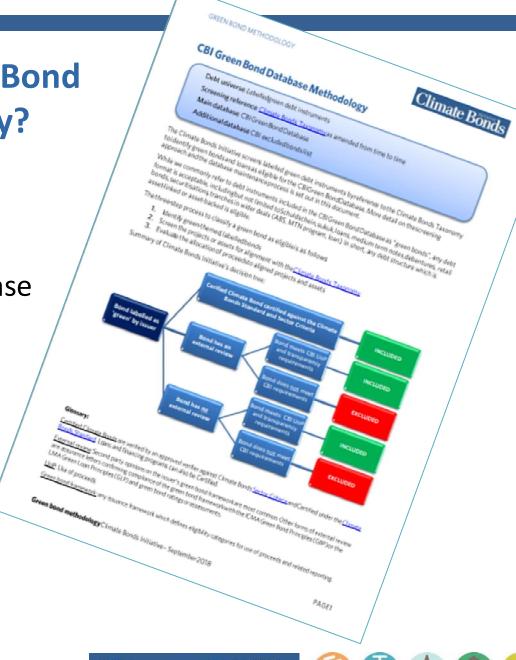


# What is the CBI Green Bond **Database Methodology?**

A guide to the green bond screening process for inclusion in the CBI database

It is available in Chinese & English

















### How do we screen bonds?

- **Identify** self-labelled green bonds
  - Variety of labels we look through to the assets
  - Variety of sources news, prospectus, SPO, GB rating ...
- Screen for alignment with Taxonomy sectors
- Evaluate allocation of proceeds
  - Include if 95%+ allocated to green assets / projects
  - Pending if info is insufficient or deal requires more analysis
  - Exclude if not aligned or insufficient information













# How the methodology uses the Taxonomy

- The methodology is aligned to
  - GBP / GLP
  - CB Taxonomy
  - spirit of the Sector Criteria
- It uses the traffic light system to classify alignment
- Detailed lists of exclusions

SECTOR	TRANSPORT	
Private, public and freight land transport	<ul> <li>Electric vehicles (EVs), hybrids and hydrogen</li> <li>Bicycle and public walking infrastructure and s</li> <li>Passenger trains; urban rail systems such as m</li> <li>Freight railways and rolling stock, provided &lt;5</li> <li>Public transport buses and coaches, bus rapid</li> <li>Manufacturing (supply chain), dedicated infra products (e.g. batteries, charging/filling statio</li> </ul>	
Passenger and cargo water transport	Electric powered or otherwise low-carbon (sushydrogen, etc)     Supporting infrastructure	
Passenger and cargo aircraft and aviation	Electric powered or otherwise low-carbon (sussolar, etc)     Supporting infrastructure	
	Assets need further review	
Shipping	<ul> <li>LNG vessels factoring in design and operations improvements, level of GHG and total emission</li> </ul>	
Transport logistics	<ul> <li>Sorting centres, intermodal freight facilities, pomulti-modal logistics hubs</li> </ul>	
Ī	Ineligible assets	
Personal vehicles (cars)	ICE and CNG passenger vehicles and supply cl	
Rail	Rail lines/operators when fossil fuels account	
Shipping	Oil tankers and other vessels transporting sole     Heavy fuel vessels	
Aviation	Aircraft using fossil fuel	













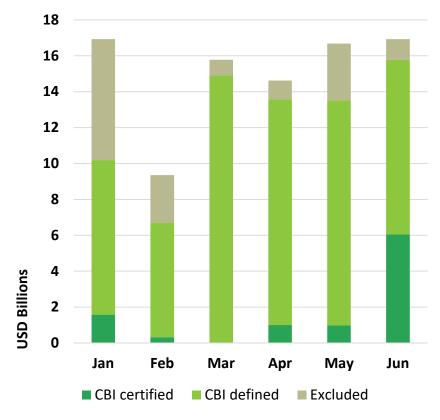
## Why we exclude bonds

- Assets not aligned to CB Taxonomy e.g. "clean" coal
- >5% of proceeds allocated to social projects

Bond type	H1 2018	H1 2017
Social	\$4.6bn	\$5.9bn
Sustainability	\$6.0bn	\$3.5bn

- >5% allocation to cash items, e.g. expenses, working capital, R&D
- Insufficient disclosure to determine

















### **Available online:**



Main database CBI Green Bond Database Additional database CR excluded bonds list The Climate Bonds lediable occens ledsled green dock instruments by reference to the Climate Bonds Taxonomy to centrify green bendularit busins a reight for the CBRONES books/businses indire latest on this screening appropriate and the distalase manufactorisposies is set of air this deposition. White we conveniedly what to shall instruments included in the CREGionn Bent Charlance or "govern bench", any obit format is corporated, including an oblimited to Schuldingvinin, subul, loans, medium inom notes, debentures, verall books, social ficalization shall be digital.

See the subulgation of the subulgation o That the endup process to classify a green bond as eligibles as follows Bersily green than multipoetes bonds
 Screen the projects or assets for alignment with the <u>Climax Bonds Taxonorts</u>
 Evaluate the affocation of proceedato aligned projects and assets Summary of Climate Bonds Initiative's decision bee-Contract Climate Binata are verticably an approved vertier against Climate Books <u>Sector Colonials</u> Books <u>Standard</u> Laints and Binatolog programs, can also be Certified. Lich Die ut anceeds Green band methodology Christie Bonds Indiatrie - September 2018 -

GREEN BOND METHODOLOGY

CBI Green Bond Database Methodology

https://www.climatebonds.net/standard/ taxonomy

https://www.climatebonds.net/market







Climate Bonds





