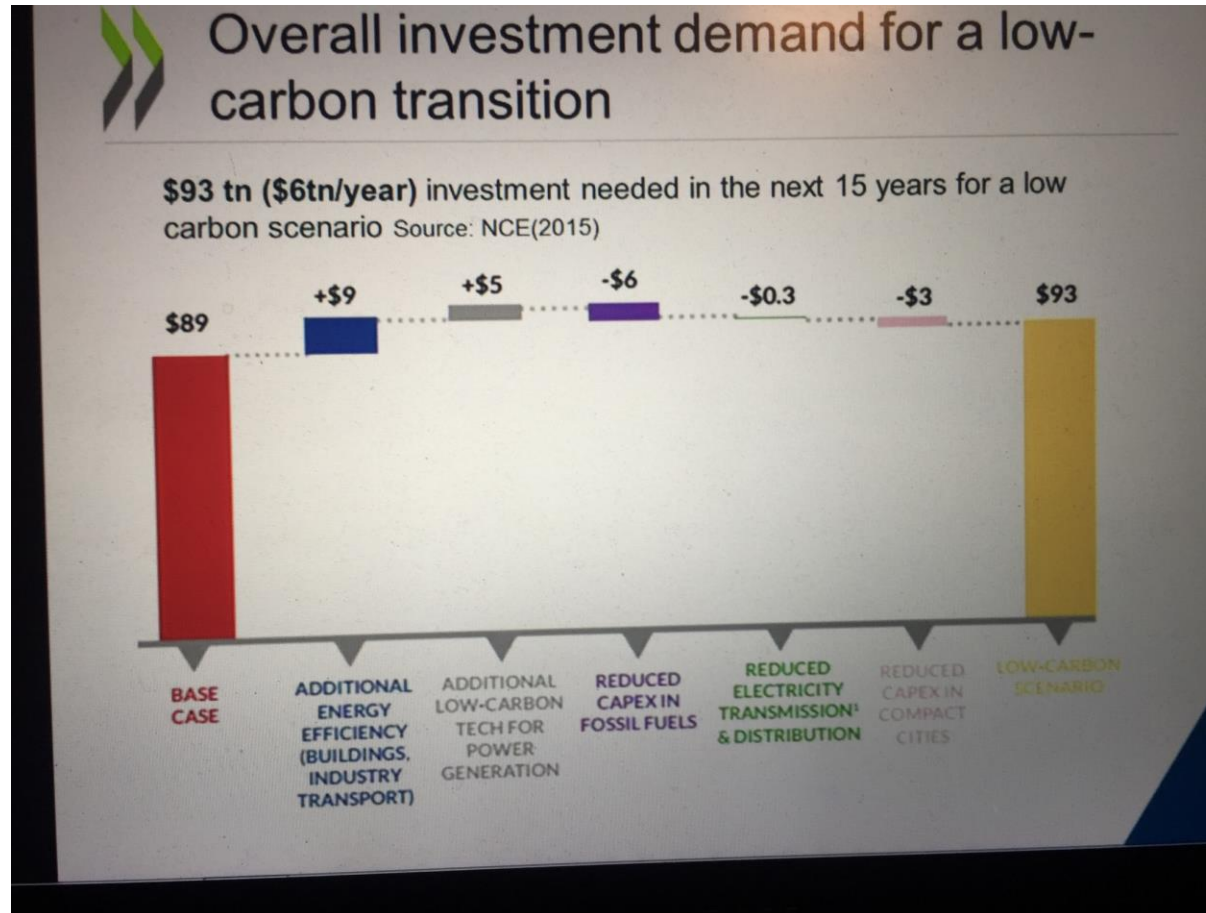


# UNFCCC IN-session workshop on long term climate finance in 2017

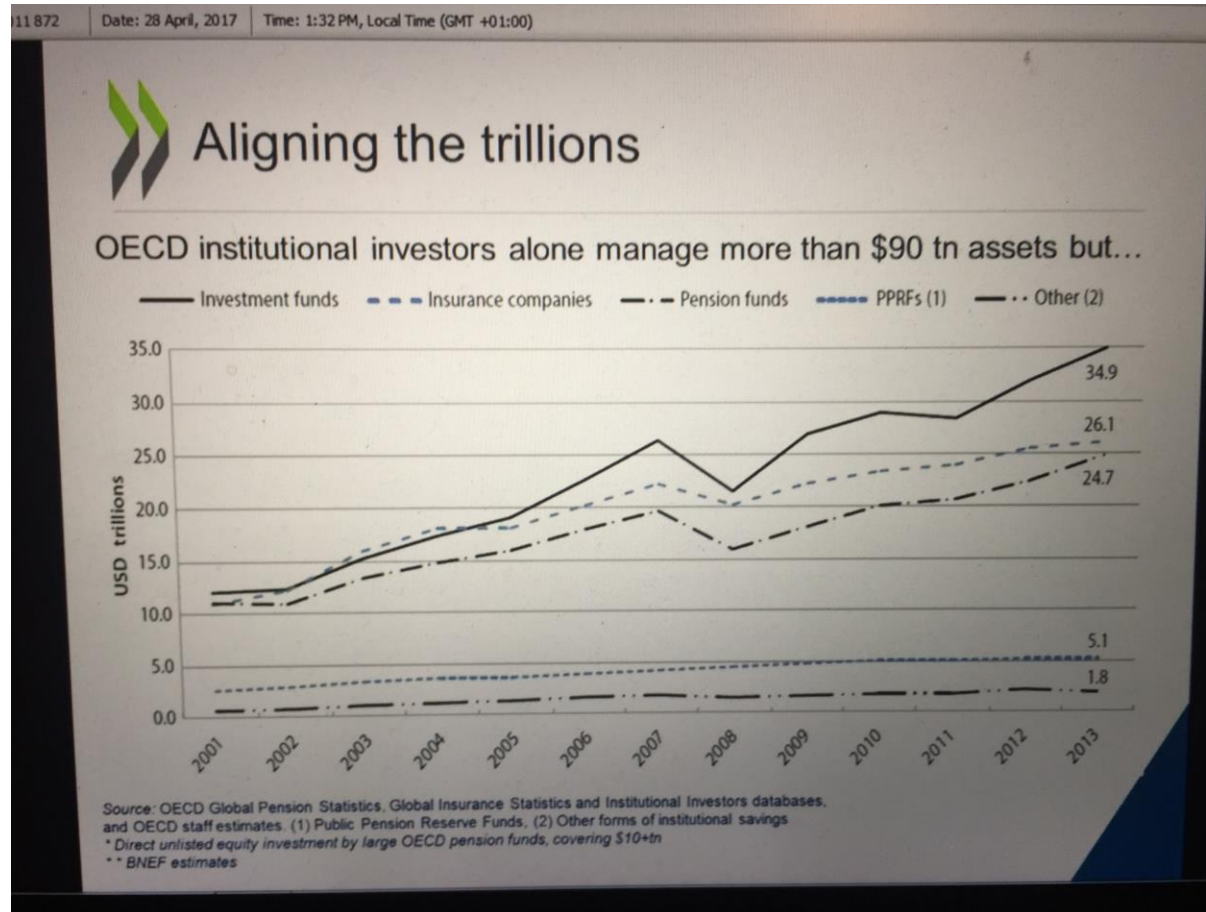
**Public/private sector panel discussion on concrete actions to enhance access to climate finance**

**Dr Peter J Glynn International Chamber of commerce**

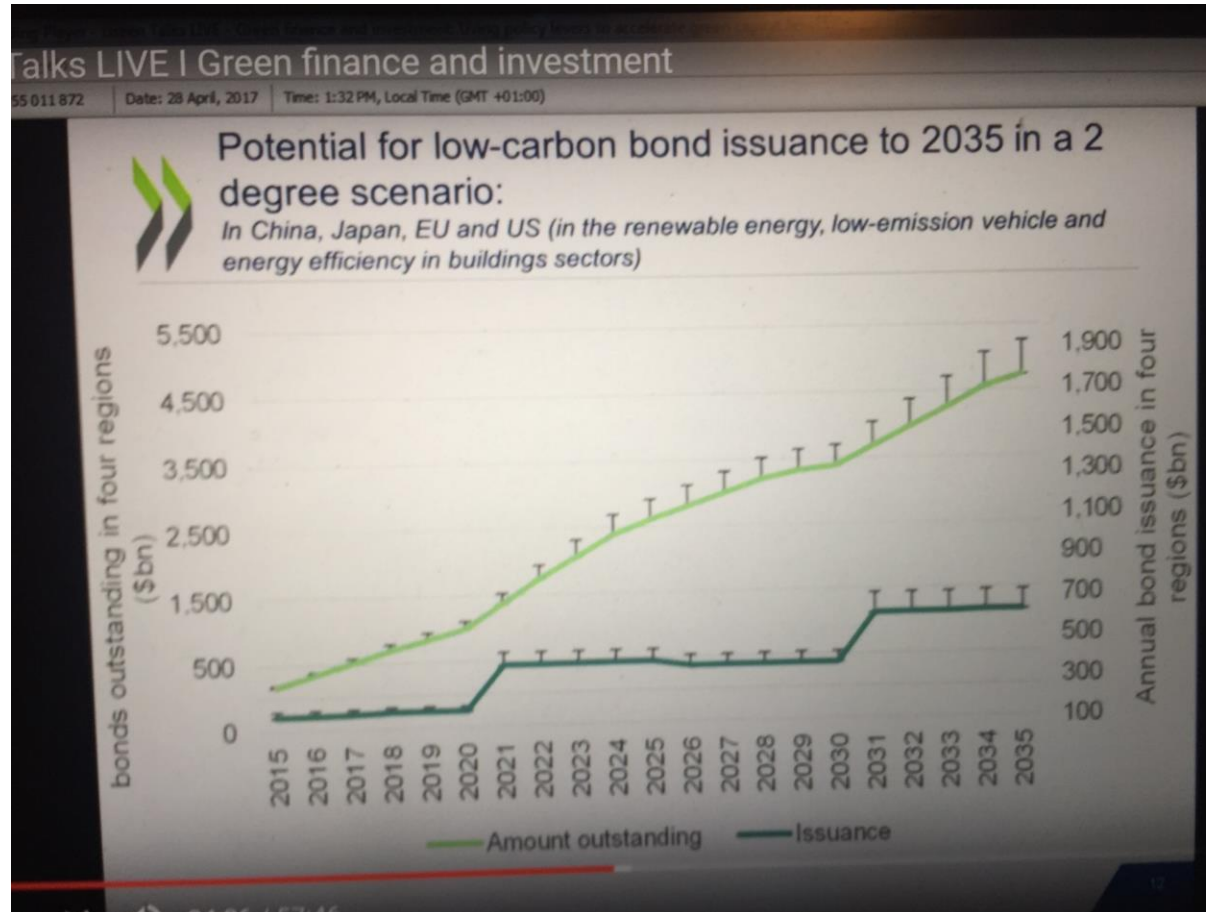
Source: OECD: Green Finance and Investment. Using policy levers to accelerate green capital flows. 28 April 2017.



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Green Talks LIVE | Green finance and investment  
Number: 955 011 872 | Date: 28 April, 2017 | Time: 1:32 PM, Local Time (GMT +01:00)

## Green bond barriers and policy actions

| Barriers  | Policy actions   |
|---|--|
| <ul style="list-style-type: none"><li>✓ General challenges to bond market development</li><li>✓ Lack of awareness</li><li>✓ Lack of supply of bankable green projects</li><li>✓ Additional issuance costs</li><li>✓ Definitions and standards</li></ul> | <ul style="list-style-type: none"><li>➤ Establish preconditions</li><li>➤ Green investment policies</li><li>➤ Communication and promotion</li><li>➤ Public intervention (risk mitigants / transaction enablers)</li><li>➤ Public sector issuance</li><li>➤ Greater standardisation</li></ul> |

23:33 / 57:46

# HSBC GREEN BOND REPORT

## SEPTEMBER 2016

| HSBC business area | Type of Project, per HSBC Green Bond Framework Eligible Sector list | Project description  | Geography         | Loan committed as at 30/06/2016 EUR (numbers are rounded to the nearest m) <sup>6</sup> | Number of assets supported | Estimate of Renewable Energy produced/CO <sub>2</sub> avoided – predictions/projections made by our clients in public sources for the full project |   |                          |
|--------------------|---|--|-------------------|---|----------------------------|--|---|--------------------------|
| project finance    | Energy Efficiency   | Acquisition and installation of Smart Grid Meters  | UK                | 11  | c.7.4m                     | electricity and gas smart meters over a 5 year roll-out period   | 5.3MtCO <sub>2</sub> emissions reduced over life of project   |                          |
| project finance    | Renewable Energy  | Financing the construction and operation of an onshore wind farm   | UK                | 2   | 1                          | wind farm (onshore)  | 48MW<br>54,000 tonnes of CO <sub>2</sub> pa displaced   | total installed capacity |
| project finance    | Renewable Energy  | Financing the acquisition of a portfolio of operational solar projects   | UK                | 14  | 2                          | solar projects   | 15MW  | total installed capacity |
| project finance    | Renewable Energy  | Financing the purchase of solar panels   | South Africa      | 66  | 4                          | Large scale photovoltaic power projects  | 313.5MW   | total installed capacity |
| project finance    | Renewable Energy  | Refinancing of a limited recourse term loan for a wind farm + financing project expansion                                | Greece            | 9   | 2                          | wind farms   | 34.85MW and additional 13.60MW  | total installed capacity |
| loan               | Renewable Energy  | Financing of studies and construction of power plants  | France            | 7   | various                    | portfolio of hydro, wind, biomass, and solar powerplants   | 376MW   | total installed capacity |
| project finance    | Renewable Energy  | Financing a portfolio of operational windfarms   | Italy and Germany | 26  | 41                         | wind farms (onshore)   | 550MW   | total installed capacity |
| project finance    | Renewable Energy  | Financing the construction and operation of a portfolio of wind farms  | UK                | 20  | 4                          | wind farms   | 315.5MW   | total installed capacity |
| project finance    | Renewable Energy  | Purchase of wind turbines and related equipment  | Turkey            | 119   | 22                         | wind turbine generators  | 50.6MW  | total installed capacity |
| project finance    | Renewable Energy  | Construction of an onshore wind farm   | UK                | 30  | 75                         | wind turbine generators and ancillary facilities   | 270MW   | total installed capacity |
| project finance    | Renewable Energy  | Financing the construction and operation of an onshore wind farm   | Turkey            | 6   | 1                          | wind farm (onshore)  | 135MW   | total installed capacity |
| project finance    | Renewable Energy  | Construction and operation of a concentrated solar power plant   | Spain             | 24  | 1                          | solar power plant  | 49.9MW 98,000 tonnes per year of CO <sub>2</sub> emissions prevented from CFPPs                       | total installed capacity |
| project finance    | Renewable Energy  | Construction of an onshore wind farm   | UK                | 11  | 1                          | wind farm  | 24MW 65,000 tonnes of CO <sub>2</sub> emissions offset  | total installed capacity |
| project finance    | Renewable Energy  | Financing of a photovoltaic power plant  | Czech Republic    | 24  | 1                          | solar power plant  | 12.3MW  | total installed capacity |
| loan               | Renewable Energy  | Construction of an Anaerobic Digestion Plant which will capture CO <sub>2</sub> to use in the food and beverage industry | UK                | 14  | 1                          | anaerobic digestion plant  | reduced methane release into the atmosphere   | total installed capacity |
| project finance    | Renewable Energy  | Financing the construction of solar farms  | UK                | 18  | 4                          | solar farms  | 5MW each, 10,500 tonnes per year avoided  | total installed capacity |
| project finance    | Renewable Energy  | Financing the construction of wind farms   | Ireland/UK        | 13  | 1                          | wind farm  | 450MW, 222 turbines spread over 8 counties  | total installed capacity |
| loan               | Sustainable Waste Management  | Financing the development of waste treatment facilities  | UK                | 20  | 1                          | Energy from Waste ("EFW") plant  | 82% of waste is recycled and converted to green product, 1.41m tonnes of Carbon avoided               | emissions avoided        |
| loan               | Sustainable Waste Management  | Financing sustainable recovery of waste into raw materials   | France            | 5   | 1                          | Energy from Waste ("EFW") plant  | 6 million tons of waste recycled into raw materials in 2014, 3.23m t eq CO <sub>2</sub> avoid in 2014 | emissions avoided        |
| project finance    | Sustainable Waste Management  | Financing the development of waste treatment facilities  | UK                | 54  | 1                          | Advanced Thermal Treatment ("ATT") plant   | c.130ktpa   | emissions avoided        |

# HSBC GREEN BOND REPORT

SEPTEMBER 2016 (extract)

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|--------------------|---|---|--------------|---|----------------------------|--|--|--|
| project finance    | Energy Efficiency   | Acquisition and installation of Smart Grid Meters   | UK           | 11  | c.7.4m                     | electricity and gas smart meters over a 5 year roll-out period | 5.3MtCO2   | emissions reduced over life of project |
| project finance    | Renewable Energy  | Financing the construction and operation of an onshore wind farm                          | UK           | 2   | 1                          | wind farm (onshore)  | 48MW<br>54,000 tonnes of CO2 pa displaced  | total installed capacity               |
| project finance    | Renewable Energy  | Financing the acquisition of a portfolio of operational solar projects                    | UK           | 14  | 2                          | solar projects   | 15MW   | total installed capacity               |
| project finance    | Renewable Energy  | Financing the purchase of solar panels  | South Africa | 66  | 4                          | Large scale photovoltaic power projects                        | 313.5MW  | total installed capacity               |
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| loan               | Renewable Energy  | Financing of studies and construction of power plants                                     | France       | 7   | various                    | portfolio of hydro, wind, biomass, and solar powerplants       | 376MW  | total installed capacity               |

# Summary

I can only reiterate what you all know, what every speaker today has acknowledged:

The finance does not come as donations, but loans

Bankable projects require

- A business plan
- Data to establish the credit rating and risk/return profile
- Absence of avoidable barriers (corruption, unachievable local content requirements etc)
- Evidence that all parties to the financing contract can honour their commitment

Green investments are good business