



RE-Source Platform

The European alliance for corporate
renewable energy sourcing



RE-Source

European platform for corporate
renewable energy sourcing

More info at:
resource-platform.eu

RE100 Policy Forum



An alliance of stakeholders representing clean energy buyers and sellers founded in 2017.

Founding Associations

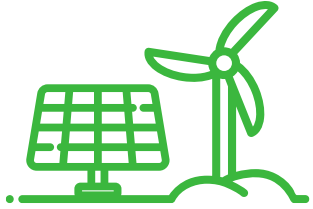
Guided by a Steering Committee of Buyers and Sellers



More info at:
resource-platform.eu



What we do



1. Open markets

Influence EU and national renewable energy and energy market legislation to advance corporate sourcing



2. Create demand

Raise awareness and educate all stakeholders on the advantages of corporate sourcing renewable energy



3. Facilitate business opportunities

Connect corporate renewable energy buyers and sellers and help make transactions faster, easier and cheaper

Objectives

- Provide overview of corporate renewable energy sourcing structures available in Europe
 - PPAs
 - On-site models
- Learn the latest market trends
- Discuss specific case studies
- Share resources to learn more after this presentation



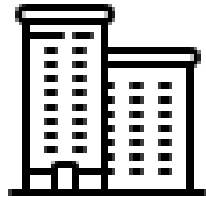
Corporate Renewable Power Purchase Agreements

Corporate Renewable Power Purchase Agreements



- A long-term agreement to buy power from a renewable generator

Corporate Renewable Power Purchase Agreements



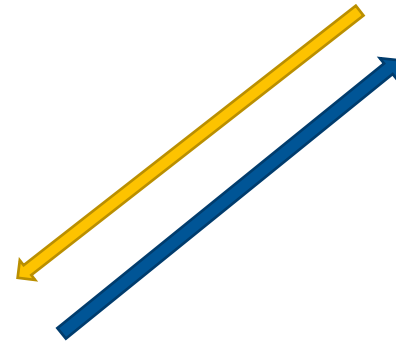
Corporate meets CSR goals and can reduce power costs and volatility



Renewable project gets a guaranteed off-taker for electricity and more cheap debt from lenders



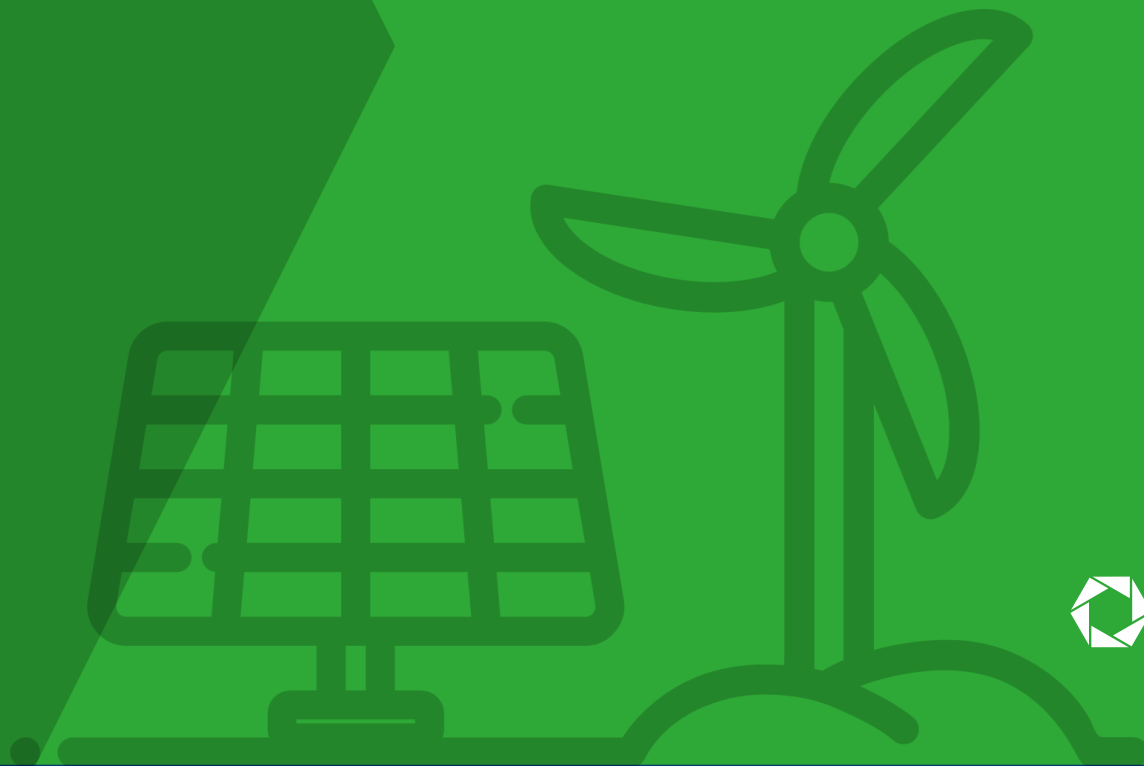
Banks invest in green transition with low-risk investment



PPA provides revenue certainty



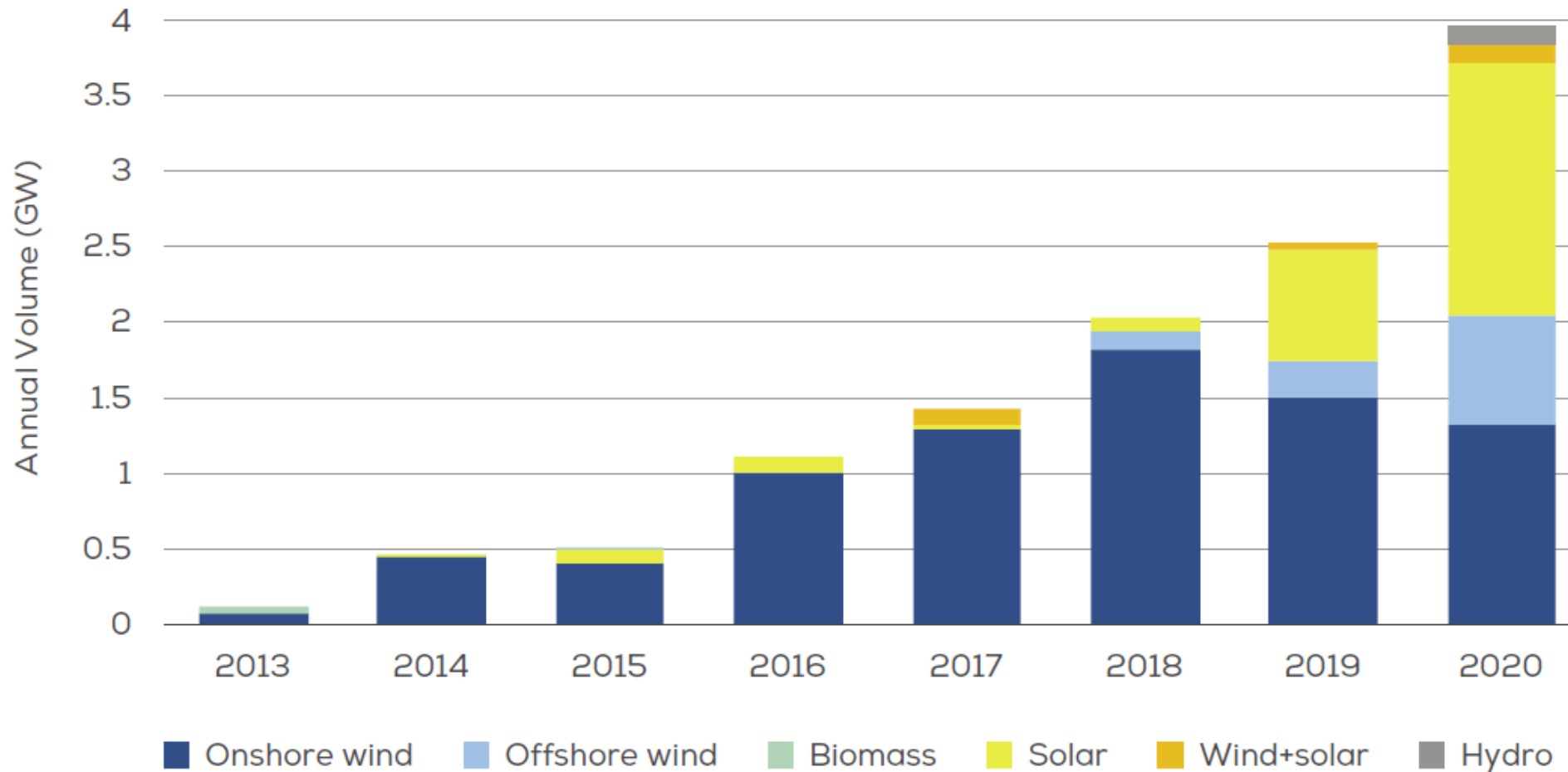
European PPA Trends and Statistics



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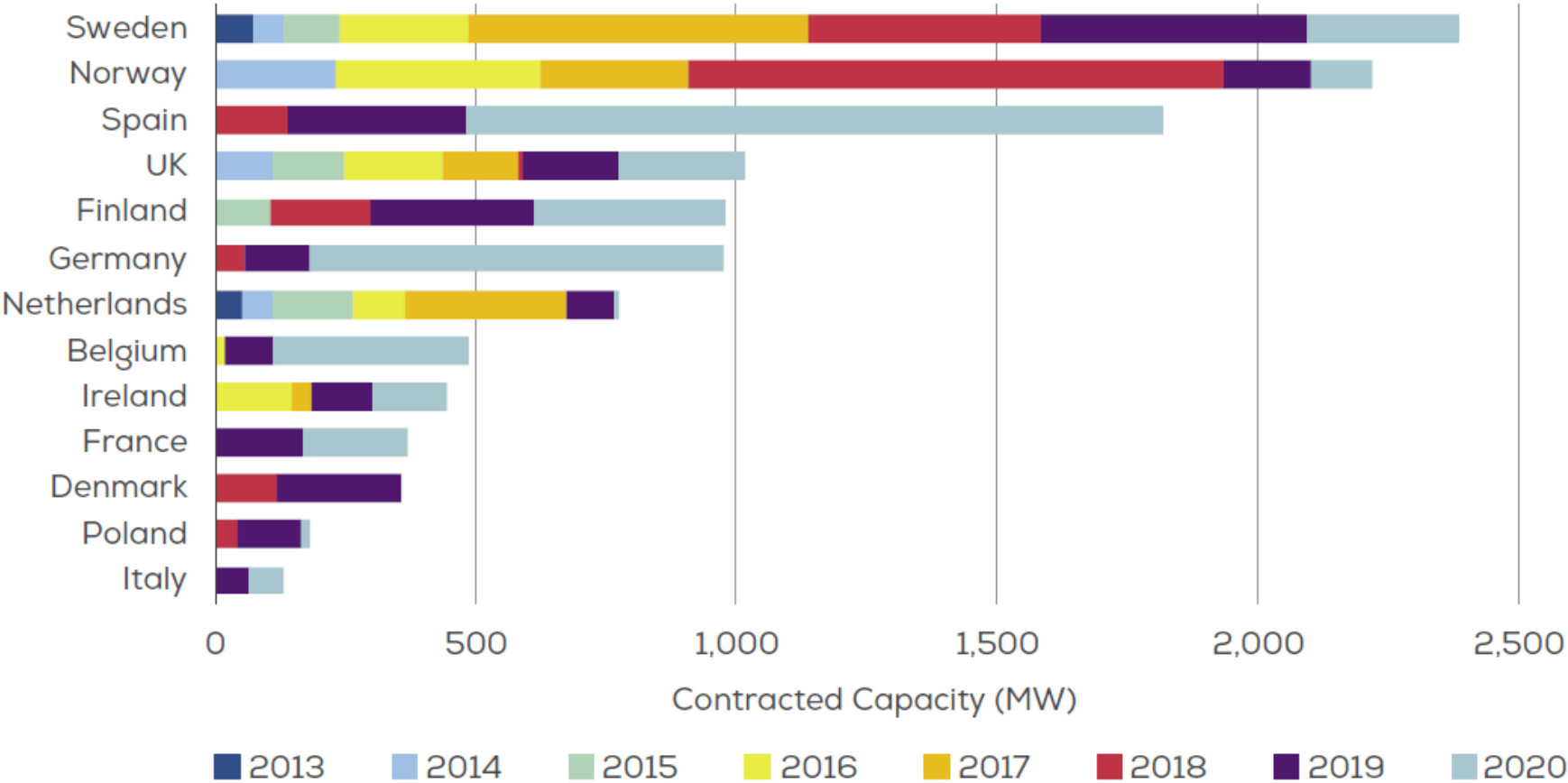
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European Corporate Renewable PPAs

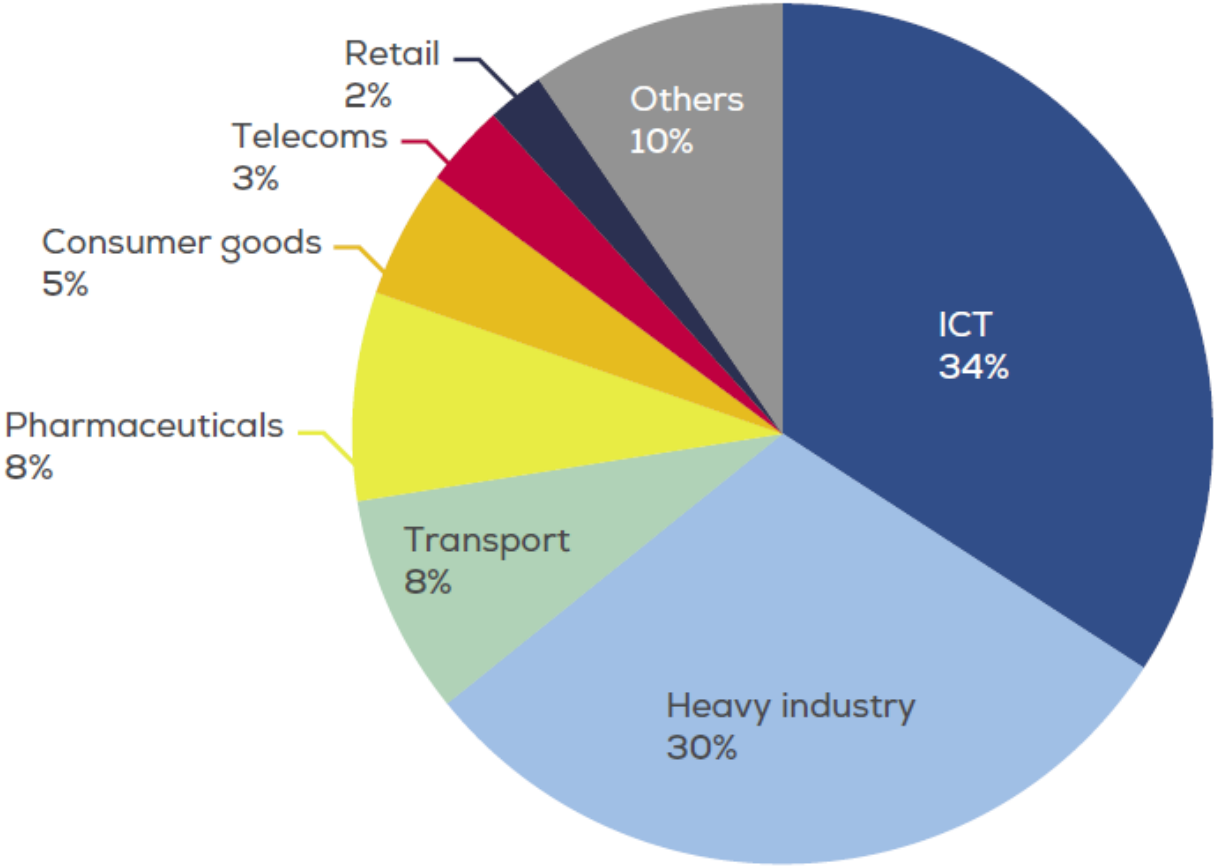


Source: WindEurope

Cumulative PPA Capacity by Country



Cumulative PPA Capacity by Sector



Source: WindEurope

Corporate Renewable Energy Sourcing: European Models







Corporate Renewable Energy Sourcing Models in Europe

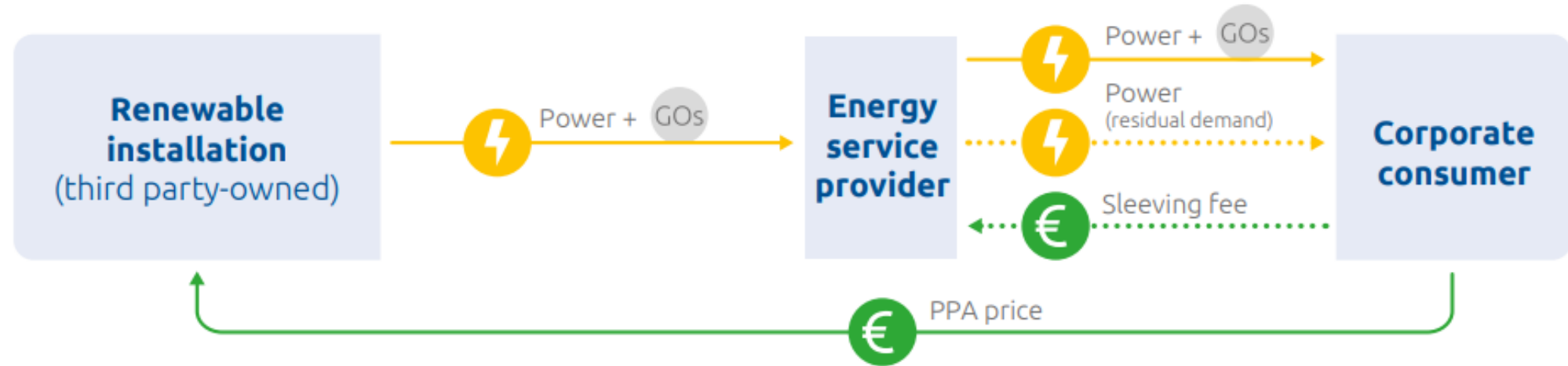
How do companies decide?

The most suitable choice will depend on many factors

- Risk profile
- Size of electricity demand
- Physical location(s)
- On-site feasibility
- Need for physical energy link

 Common Models On-site	A1: Self-owned on-site
	A2: Leasing
	A3: On-site PPA
	A4: Private-wire PPA
 Common Models Off-site	B1: Physical PPA
	B2: Financial PPA
 Off-site Variants	C1: Self-owned off-site
	C2: Multi-buyer PPA
	C3: Multi-seller PPA
	C4: Cross-border PPA
	C5: Multi-technology PPA
	C6: Proxy generation PPA
 General & Top-up Models	D1: Green electricity supply
	D2: Unbundled GOs

Physical PPA



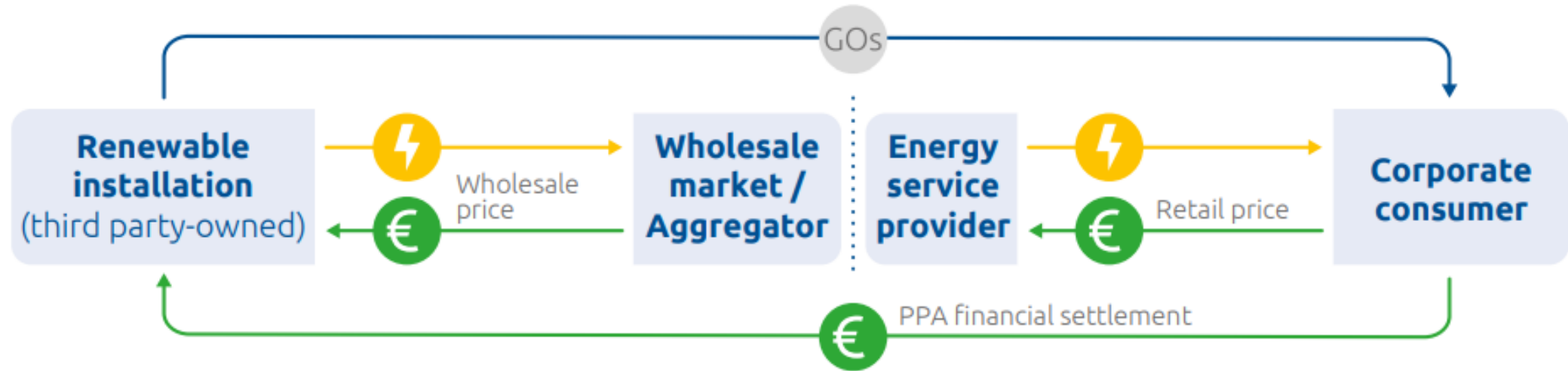
- Consumer and renewable installation use the same grid
- Price agreed between renewable installation and consumer
- Renewable power enters the grid
- GOs passed to consumer
- Residual demand supplied by service provider for a fee (“sleeving fee”)

Case Study: Daimler

- Location: Germany
- Buyer: Daimler
- Seller: Statkraft
- Capacity: 200 turbines across 24 wind farms in Germany no longer receiving public financial support
- Variation: Multi-seller PPA



Financial PPA



- No physical transmission of power between producer and consumer
- Renewable installation and consumer can be located on different grids
- Price agreed between renewable installation and consumer
- Financial settlement difference between agreed price and a market-based price
- GOs passed to consumer

Case Study: Heineken, Philips, Signify, Nouryon

- Location: Finland
- Buyer: Multiple
- Seller: Neoen
- Capacity: 126 MW
- Variation: Multi-buyer PPA

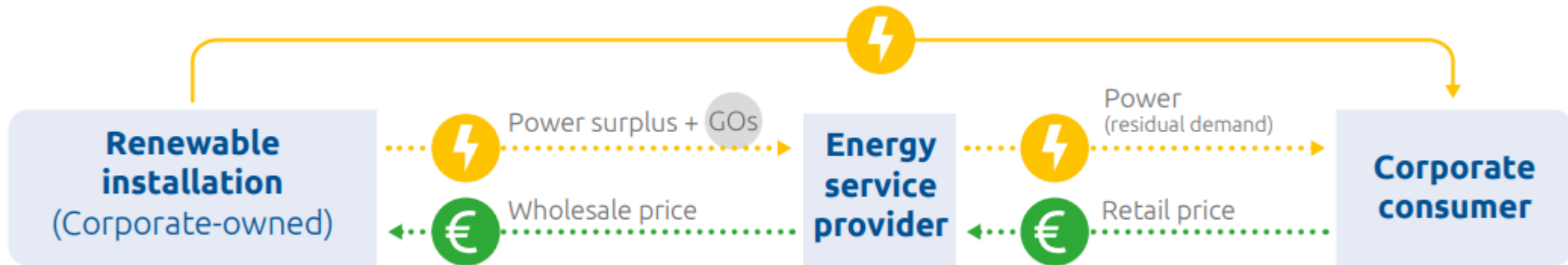
 **Heineken**[®]

PHILIPS

 **signify**

Nouryon

Self-owned on-site



- Consumer owns the project and consumes the electricity behind-the-meter
- Project is usually sized to achieve very high or near 100% self-consumption
- GOs may not be passed to consumer
- Project may connect to grid to export surplus power
- *Note:* Self-owned off-site also available in Europe

Case Study: Volvo

- Location: Ghent, Belgium
- Buyer: Volvo
- Seller: Eneco
- Capacity: 15,000 solar panels and three wind turbines
- Commissioned: 2018



On-site “buyer” business models

- On-site PPAs
- Leasing
- Private-wire PPAs



Summary and Next Steps

Renewable Energy Buyers Toolkit



*Reports
and Webinars*



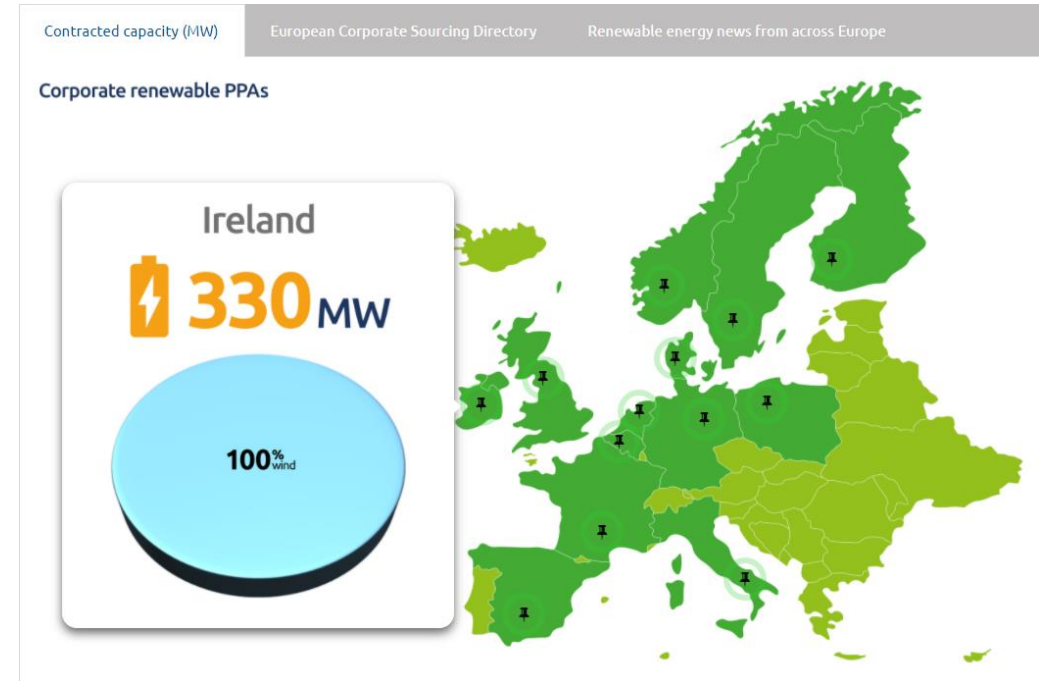
*European Corporate
Sourcing Directory*



*Template PPA
Contract*



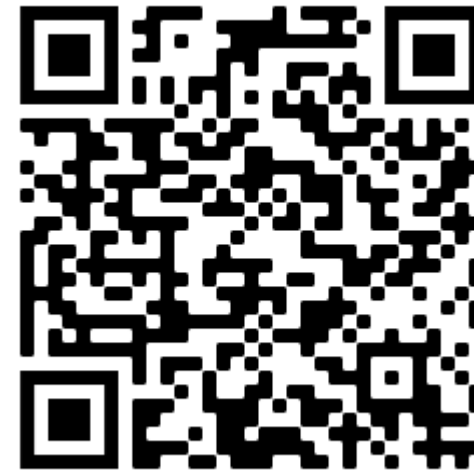
*PPA Training
Courses*



New WBCSD report: Pricing structures for corporate renewable PPAs



Download here:



<https://www.wbcd.org/xcaCr>

The RE-Source Event

The world's largest gathering of renewable energy buyers and sellers



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2021

13-15 October
Amsterdam

40 countries and multiple networking opportunities

