RECS INTERNATIONAL VZW

SHAPING
AN EFFECTIVE
RENEWABLE
ELECTRICITY
MARKET

Carbon Accounting

Expert Meeting Iceland

Date: 5 June 2013, Reykjavik

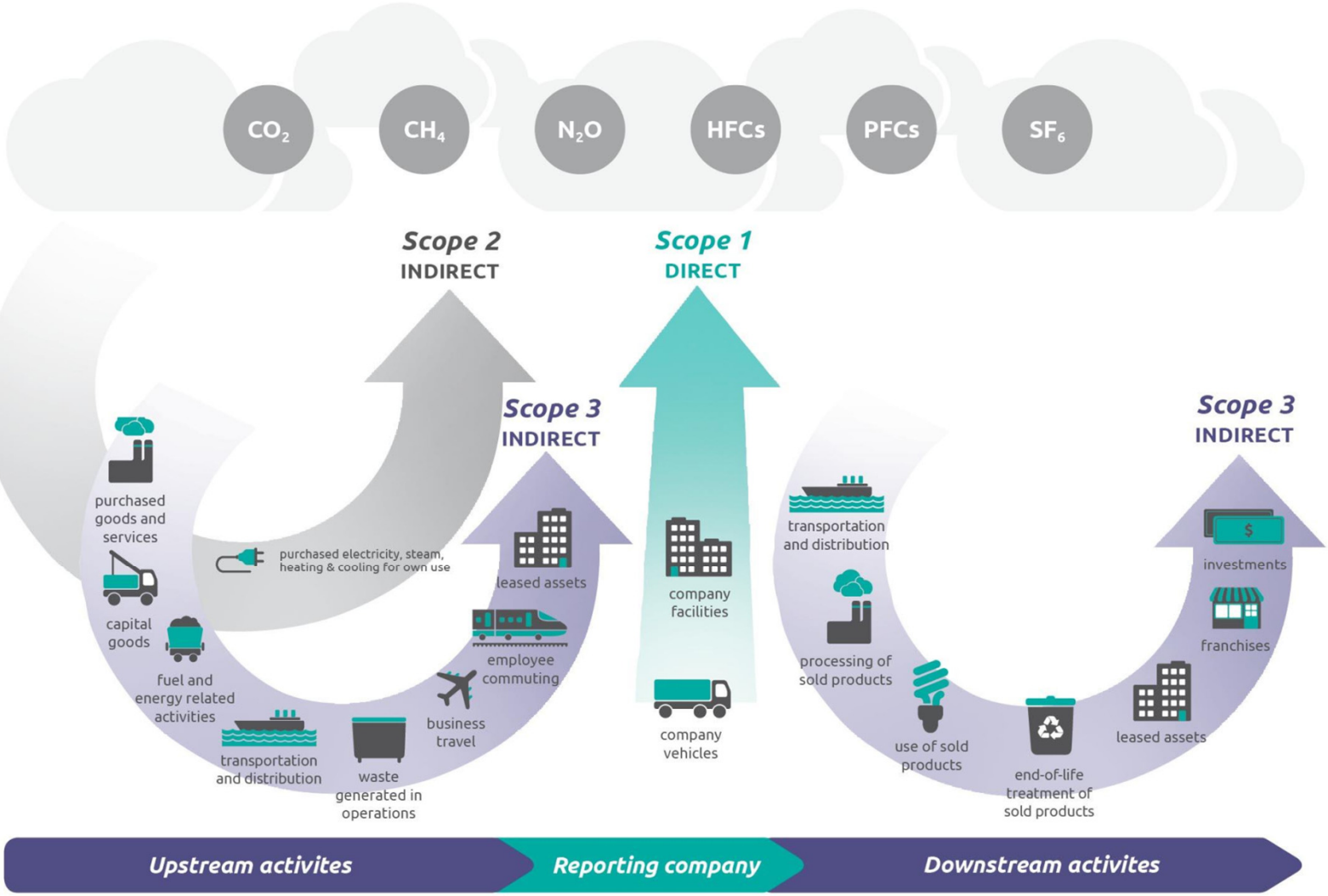
Agenda:

- **Carbon accounting as a driver for green products**

- **The current discussion**

- **Opinion of results**

Figure [1.1] Overview of GHG Protocol scopes and emissions across the value chain



Lack of international standards

72% of Fortune 500 companies reported to CDP in 2012

http://www.ghgprotocol.org/about-ghgp

Agenda:

- **Carbon accounting as a driver for green products**
- **The current discussion – battles won**
- **Opinion of results**

Battles won

- Consequential versus attribution accounting
- 0-gram renewable consumption
- Production mix versus consumption mix (Europe only)

Still to be decided

- **Hierarchy**
- **2-choice**
- **Deadline….**

Consequential versus attributional

- Consequential approach was deemed outside of scope II
  - Off-sets
  - Business-as-usual assumption
  - Negative scope II possibility

- Nuanced approached was adopted
  - Offsetting if for total reductions
    - After scope I, II and III have been calculated

0-gram renewable consumption

- Life cycle analysis was deemed optional
  - Drawing the border became a problem
  - End-of-pipe emissions were more logical/easy

- Consumption of a reliable tracking certificate (GO)
  - Under the name of the consumer or delivered via a supplier is emission free* (if RES-GO)
  - Ability to track fossil also a possibility (Some of Europe only, maybe other locations)

Production mix versus consumption mix

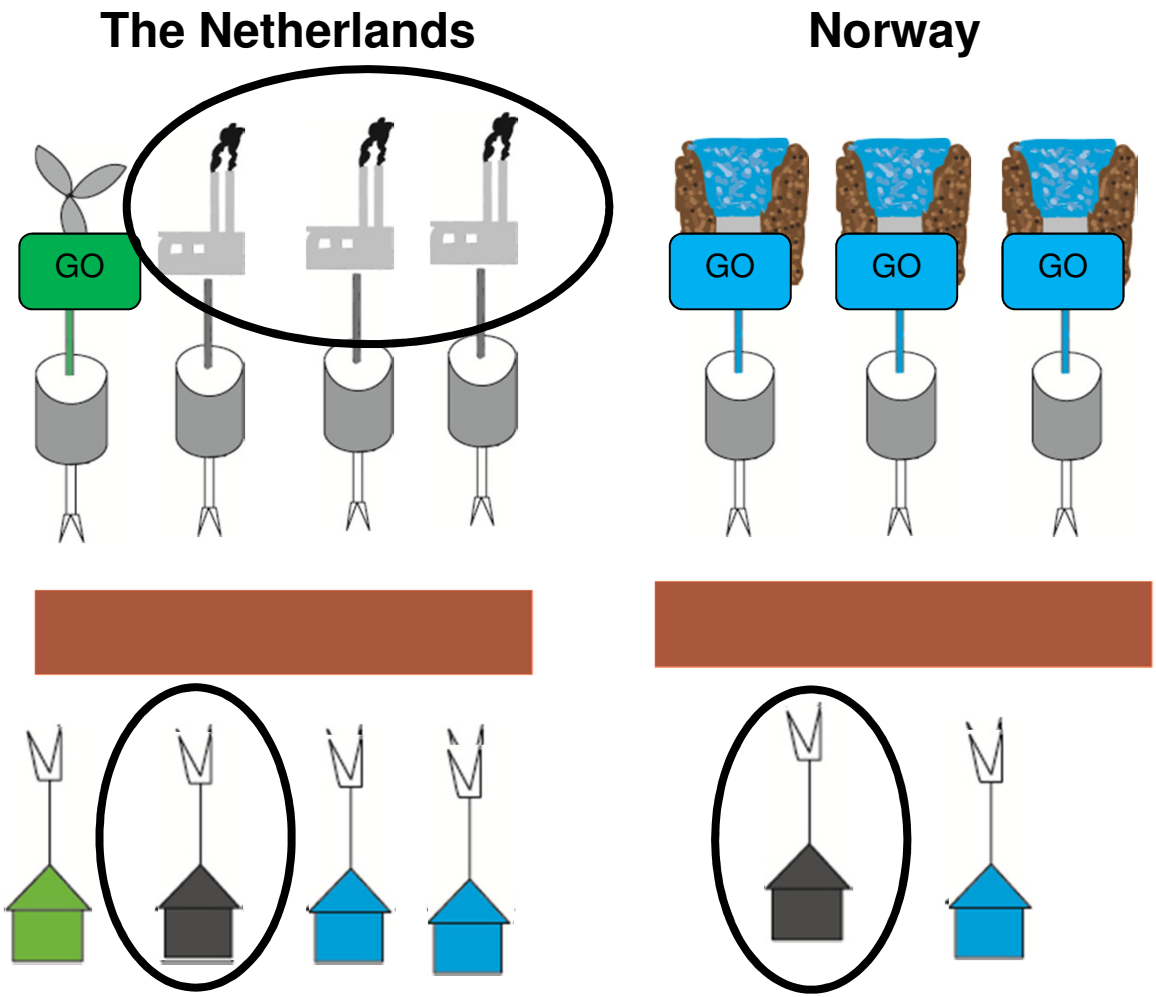
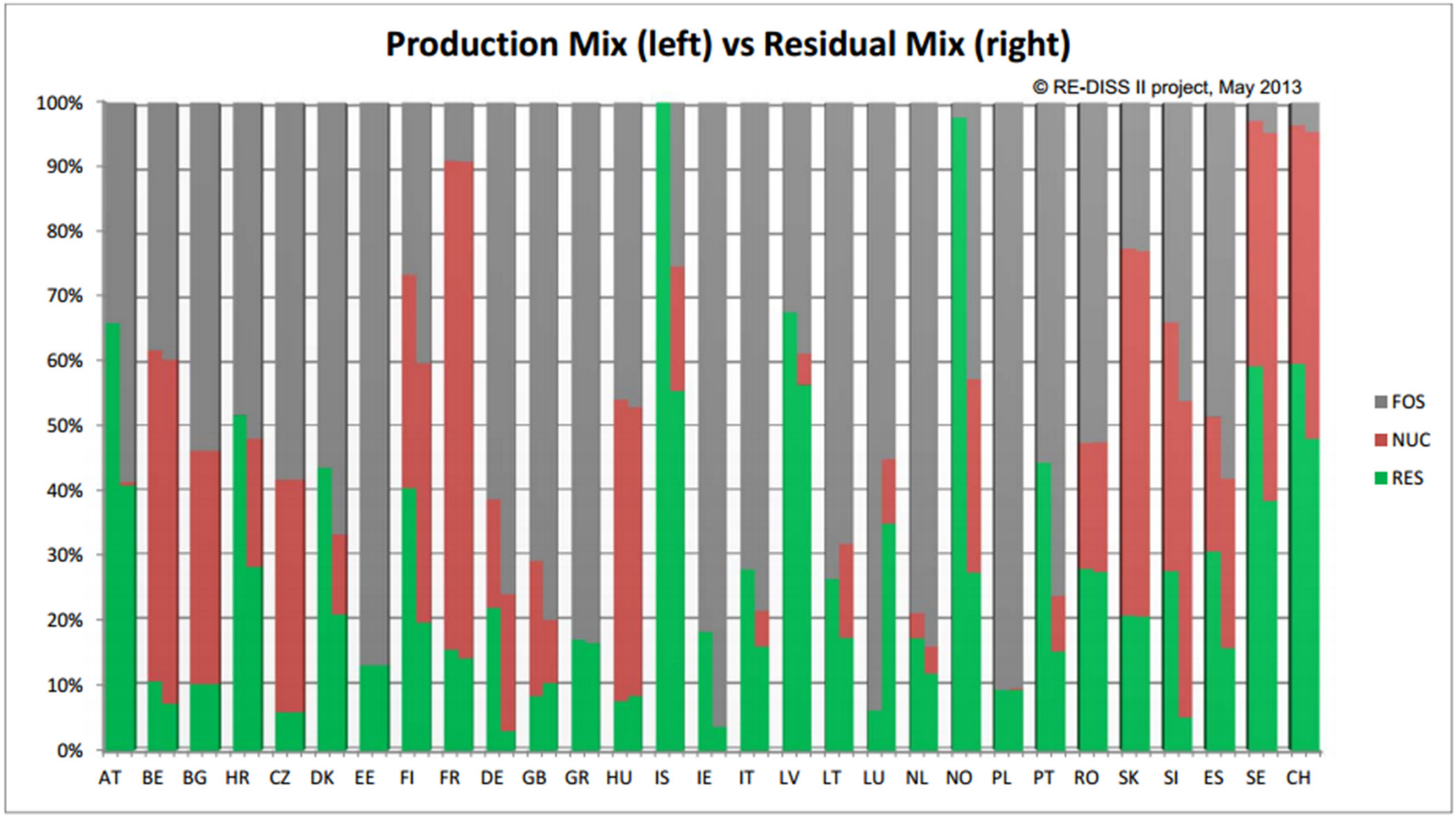


Figure 5: Comparison of country's production and residual mix in 2012



Production mix = 350g CO2/kWh

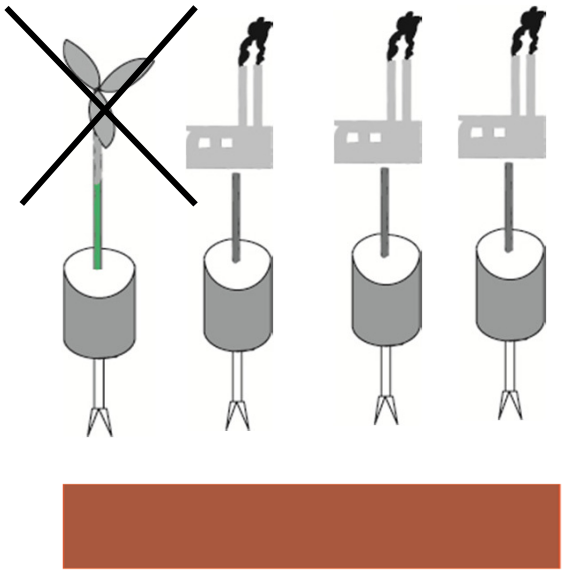
Residual Mix = 436g CO2/kWh

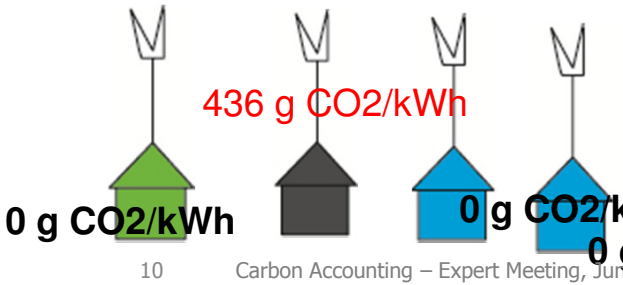
Production mix = 25g CO2/kWh

Residual Mix = 332g CO2/kWh

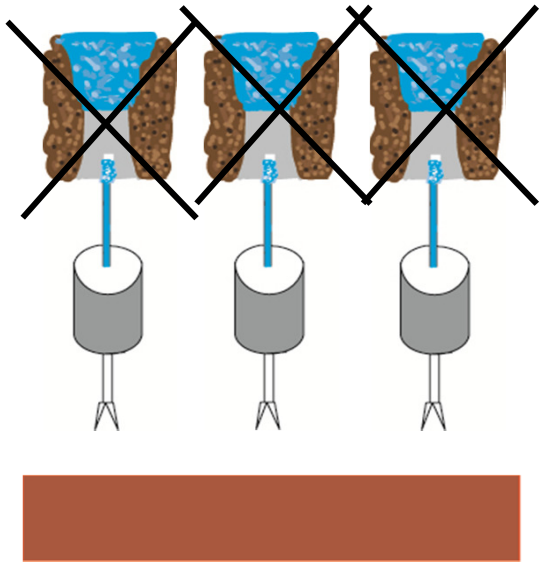
ALL NON-LCA

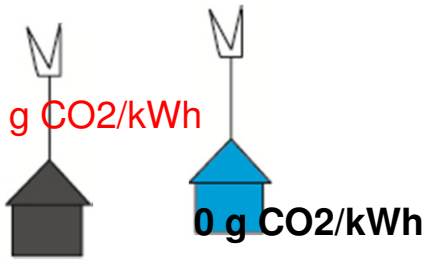
The Netherlands





Norway





GREENHOUSE GAS PROTOCOL

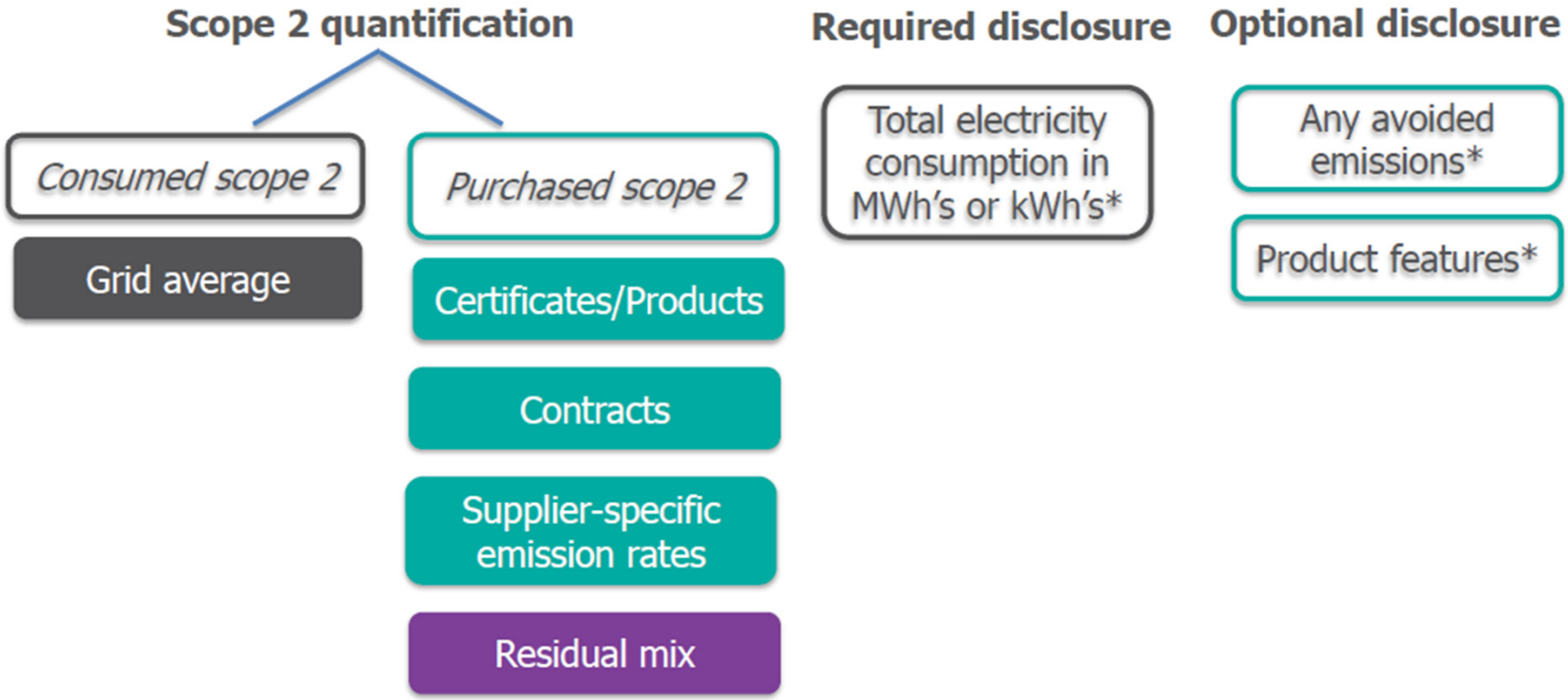
Contractual hierarchy

Scope 2 quantification	Required disclosure	Optional disclosure
Certificates/Products	Total electricity consumption in MWh's or kWh's *	Any avoided emissions*
Contracts		
Supplier-specific emission rates		
Residual mix		
Grid average		

GO Certificate

GREENHOUSE GAS PROTOCOL

Dual reporting in scope 2



* Pending group discussion

Deadlines

June 2013 – Final report for public comment

Fall 2013 – Workshops

Winter 2013 – Final release