



Open Footprint (OFP) & PIDX Collaboration on Scope 3 Emissions

22/06/2022

Introduction



- ❑ Partner in ERM – largest global pure play sustainability consultancy
- ❑ Lead Digital Advisory globally
- ❑ Early career in supply chain and digital transformation
- ❑ Focussed on sustainability for a number of years
- ❑ Worked with O&G organisations throughout my career – Equinor, bp, Shell, ConocoPhillips, Total, Eni

- ❖ Live in London and a covert geek
- ❖ Oddly sporty but mostly sit out as pick up injuries rather frequently
- ❖ A gastronome and suffer from wanderlust

A bit about Open Footprint (OFP)

- ❑ Similar in objective with PIDX – focus on delivering standard way for storing, accessing and sharing GHG data
- ❑ Part of Open Group

- ❑ Open source data architecture and platform covering Scope 1, Scope 2, and Scope 3 emission data
- ❑ Enables exchange of GHG data across supply chain improving transparency, insight and robust disclosure



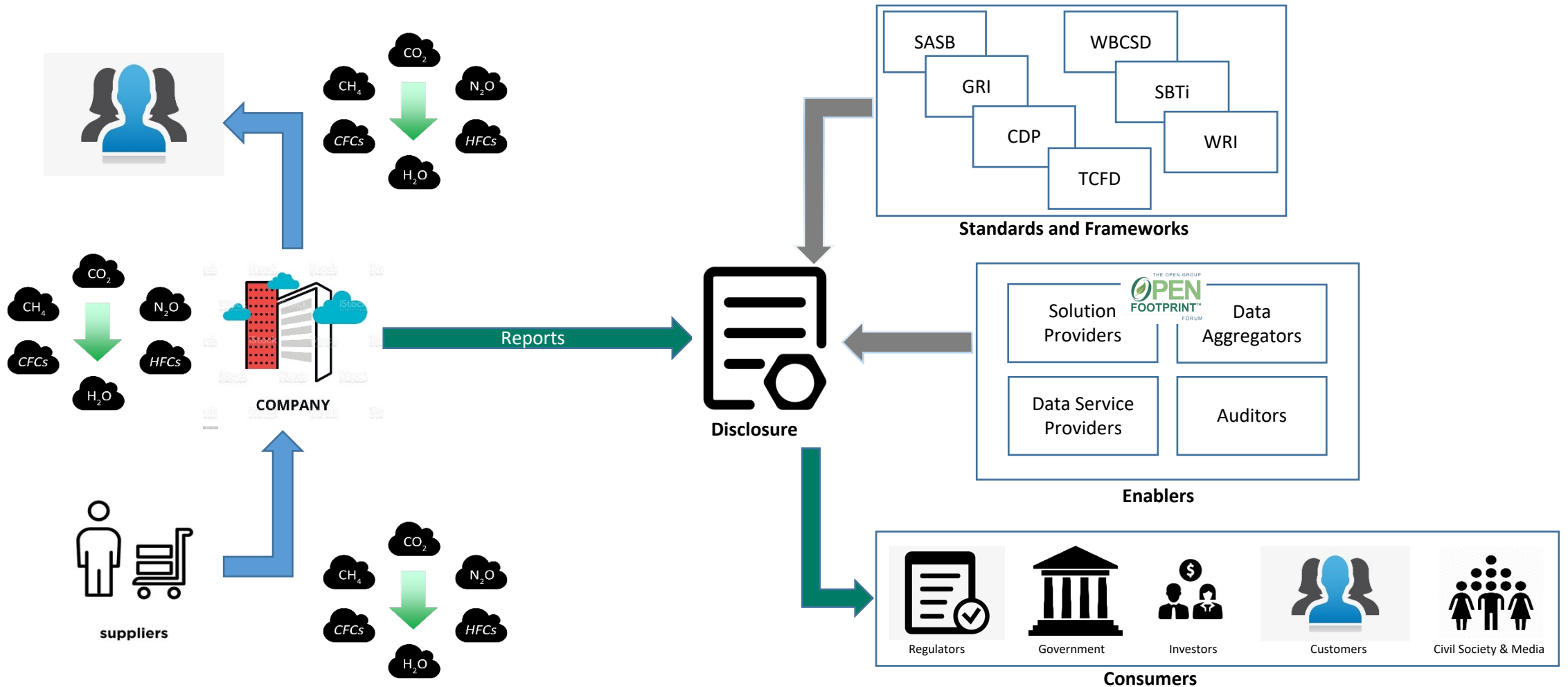
- ❑ Aim to provide ability to calculate total carbon footprint of the supply chain for companies who are part of the supply chain
- ❑ Capability to manage both enterprise/company and product GHG footprint data

- ❑ Stores both raw and calculated data. Stores metadata as well
- ❑ Communicates using APIs

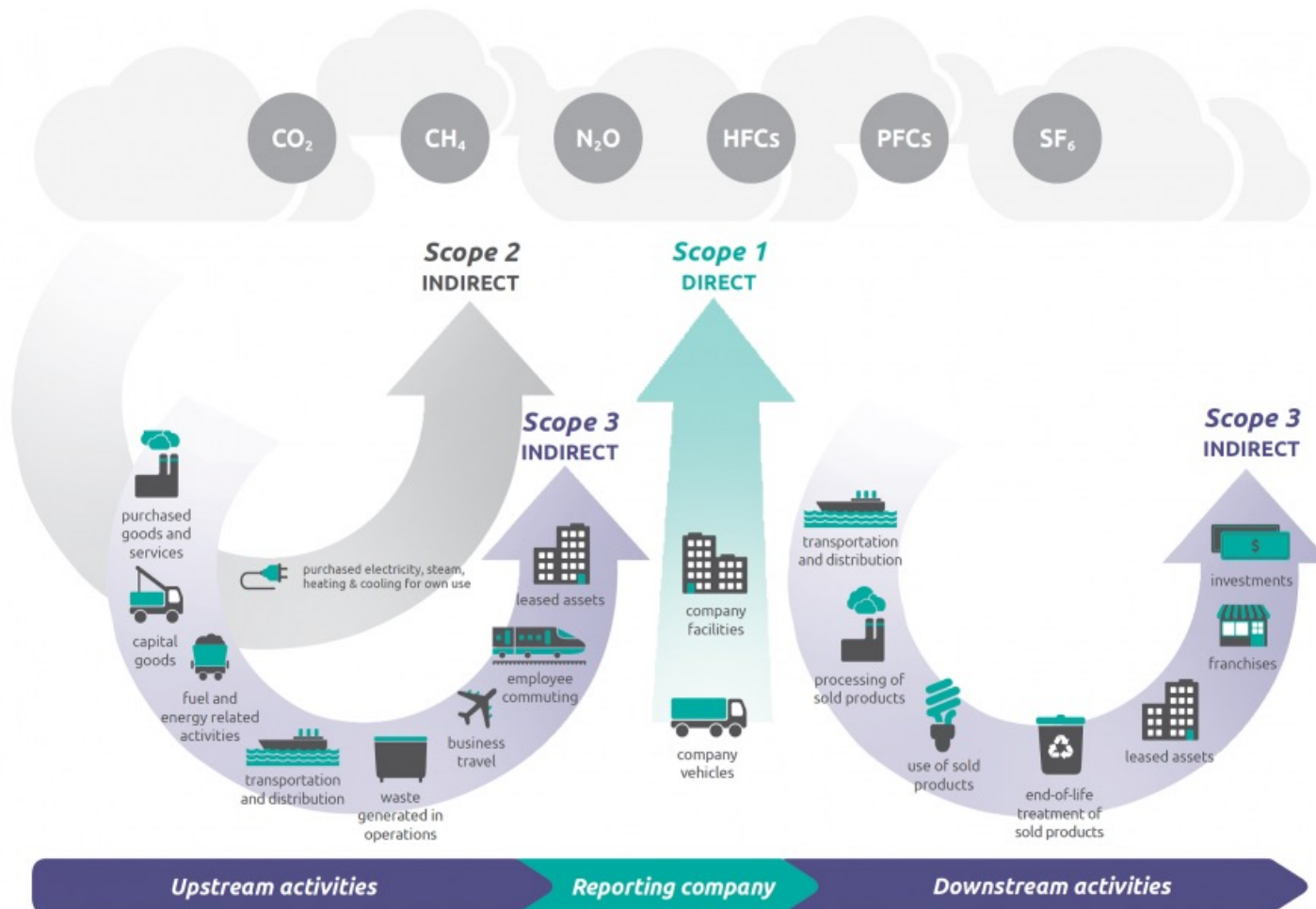
(June 2022) committed organizations in the Open Footprint™ Forum



The GHG disclosure ecosystem



Scope 3 is diverse



- Scope 3 emission data is most diverse – multiple emission sources sitting across all parts of supply chain
- Majority of the emission footprint and related data reside outside the organisational boundary
- Reportability and auditability of data are difficult to manage as capability and maturity of partner organisations vary widely

OFP & PIDX Collaboration – Why it is important

The Pressure

1. Investors keen to mitigate uncertainty of GHG footprint, potential carbon cost exposure, risk on investment
2. Focus on accurate baseline for disclosure and target
3. Move to maximise use of primary data and reduce using of proxy
4. Regulators/Governments wants accuracy and adherence
5. Move from minimal to reasonable assurance
6. Customers want to make ethical and informed choice based on trusted information
7. Activists, civil society, and media subjecting O&G industry to more scrutiny

PIDX
INTERNATIONAL



THE OPEN GROUP
OPEN
FOOTPRINT™
FORUM

The Challenge

1. Availability of high quality Scope 3 emission data across supply chain is still a significant challenge
2. There is no common standard – most platforms have their proprietary way/model of managing GHG data - making it extremely difficult to exchange/share data
3. Available solutions in market for managing GHG data can have significant cost – barrier to adoption – even then provides limited interoperability
4. Little/no actionable insight available to improve Scope 3 emission footprint as data is inconsistent and sporadic at best

Power of Collaboration – Greater than the sum of its parts

The A team

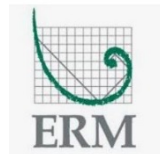
Workstream 3 within the OFP is responsible for defining the data model and schema needed to have a robust Scope 3 capability. The team draws upon world class expertise of the team members



Chris Welsh



Vegard Torset



Sumouli
Bhattacharjee



Eve Schooler



Sammy
Lakshmanan



Junfeng Liang

Gommaar van
Strien



When adopted OFP and PIDX can enable

Setting accurate baseline and target for Scope 3



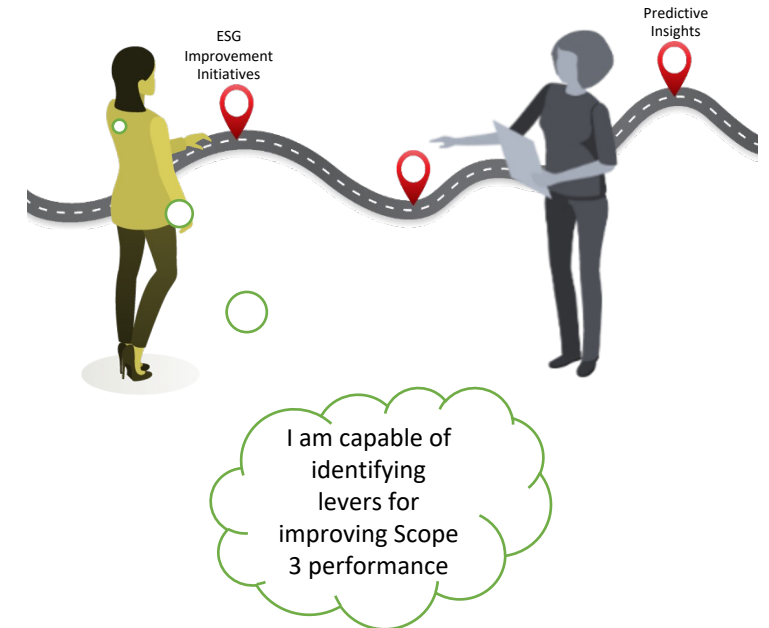
People interacting with Scope 3 emission data have confidence and benefit from simple, standardised processes, and automated data flows

Improve disclosure with better Scope 3 data



Assurance of disclosure data is simplified through systems, processes and high data quality

Improve performance by using insight on Scope 3



Actionable insights are not only possible, but automated; and can be made through multiple lenses and allow for scenario planning, product, commercial, financial etc.