Presentation

Eden Suite Overview

Date

November 2019

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Agenda

- About Intelligent Pathways

- Drivers for Carbon Reporting Solutions

- Introducing Eden Suite

- Eden Suite Overview

  - Structure, Capture, Inform, Action
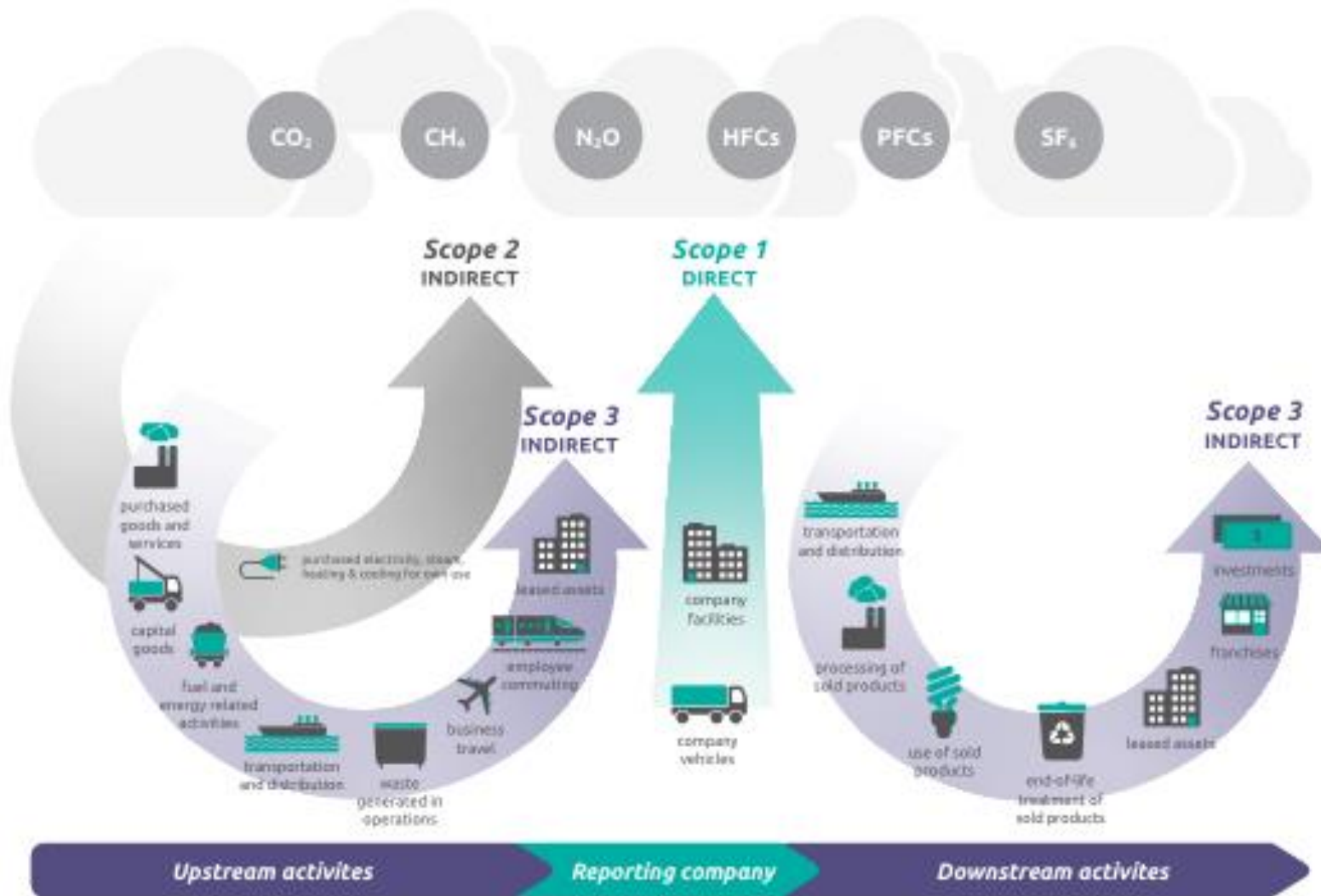
- Tenancy

- Training

About Intelligent Pathways

- Technology company that specialises in systems integration and application development

- Delivering large scale, mission critical systems to public and private enterprises

- Market leading team with years of experience in analysis, innovation, design, implementation and project management

- Established in 2003 with staff in Brisbane, Sydney and Melbourne

Market Drivers

- Legislative Environment
  - Reporting: NGERs, EEO, State based requirements, NCOS
  - Carbon Risk: direct for liable entities, indirect down the supply chain
  - Carbon, water, waste and other environmental measures

- Market disclosure
  - Investor demands
  - Customer demands

- Resource Productivity
  - Cost reduction through process efficiencies and supply chain collaboration

- Sustainable consumption
  - enhance competitiveness, build new markets, increase brand value and boost customer loyalty.

The Sustainability focus requires business to internalise their externalities – systems must be put in place to do this efficiently and effectively

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GHG Protocol Scopes

GHG Data Principles

- Relevance

- Completeness

- Consistency

- Transparency

- Accuracy

The Data Challenge

- The data is largely non financial – it's never been collected in a centralised data repository

- The data is usually fragmented and decentralised – it resides with multiple stakeholders across the business

- The supply chain is not yet geared up to provide data in a timely and easy to manage format

- Data accuracy has not been a consideration due to the non financial nature of the data

- Death by 1000 spreadsheets!

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Spreadsheet Risk

- Prone to error

- Inability to properly audit

- Change management difficult

- Single point of failure

- Reliant on knowledge of spreadsheet creator

- Employee retention (sustainability professionals)

Lessons from NGERs[*] – ANAO[**] Audit

- 72% error rate in reports – 17% containing significant errors
    - Gaps in electricity, missing/ incorrect sources, facility aggregates, omission of facilities

- 70% use manual spreadsheets
    - Low cost but increased risk of input and transposition errors, data validation difficult

- Over a third reported weaknesses in recordkeeping
    - 'immaterial' sources, contractors, complex corporate relationships

- 53% indicated measuring and reporting had delivered tangible benefits
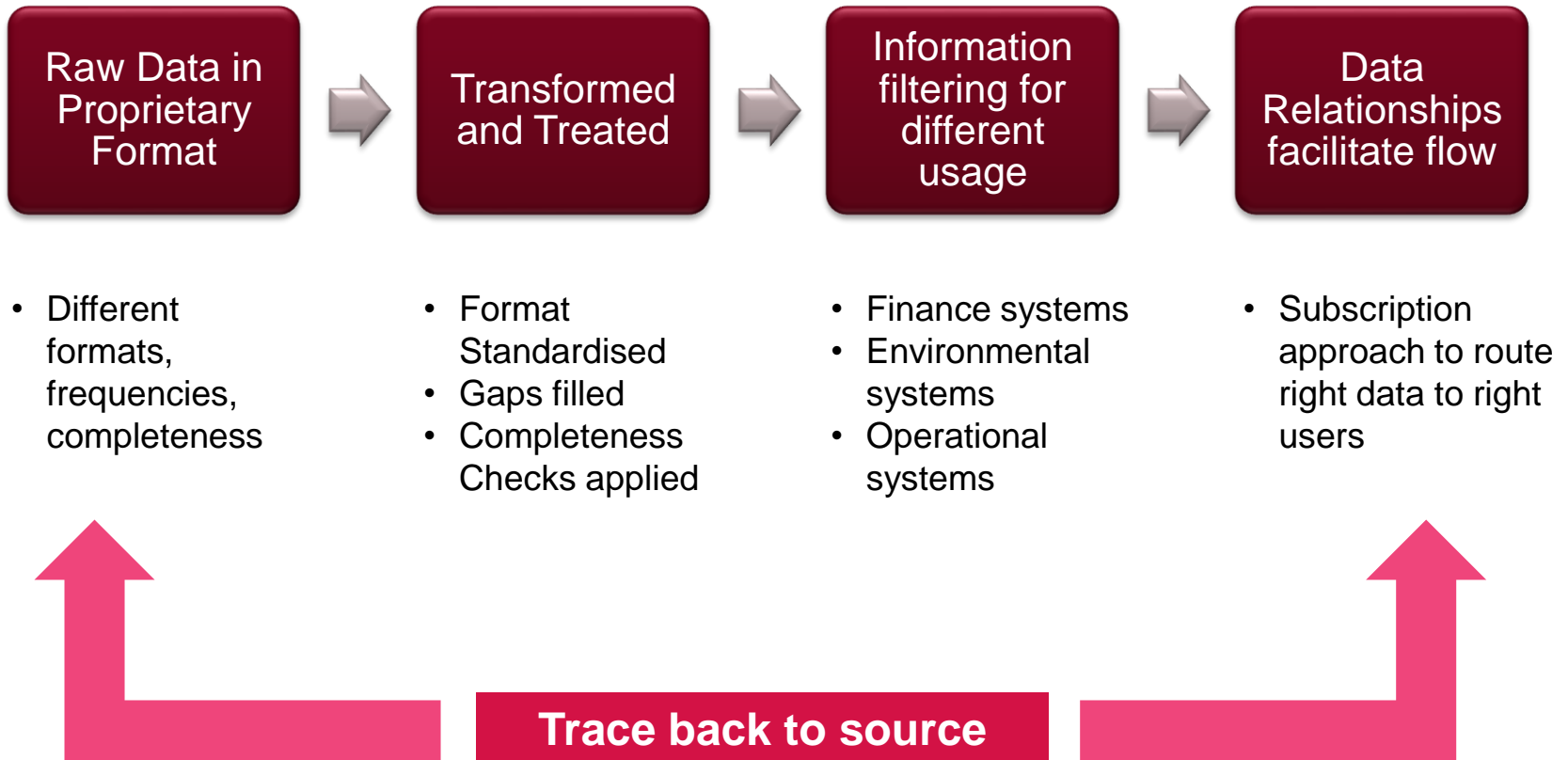   - Improved cost controls and reduced outlays for energy use

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Challenges for Good Data

- Messy data
  - not sanitized, consistent or organized appropriately into hierarchies that can be used either by humans or systems

- Too much data
  - Can obscure its significance and the insights needed to make good decisions.

- Non-intuitive data
  - not understood by non-expert stakeholders or requires significant effort to parse out

- Static data
  - results in decision-making based on information that can be days or months old.

- Absent data
  - This can be data that is simply not available or too expensive to collect.
  - Incorporate access when investing in infrastructure

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Data Treatment

Raw Data in Proprietary Format	→	Transformed and Treated	→	Information filtering for different usage	→	Data Relationships facilitate flow

- Different formats, frequencies, completeness

- Format Standardised
- Gaps filled
- Completeness Checks applied

- Finance systems
- Environmental systems
- Operational systems

- Subscription approach to route right data to right users

Trace back to source

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Introducing Eden Suite

A web-based solution for all environmental data management needs including data collection, calculation, monitoring, analysis, planning and reporting.

Structure	Capture	Inform	Action
Configure system for your organisational requirements	*Collect and validate your environmental data with ease*	*Track and report your carbon performance with confidence*	*Enhance planning and enable change*
• Build out organisation and asset hierarchies • Activity management • Data distribution • Scalability	• Data Exchange Network • Data Verification • Data Standardisation	• Monitoring • Comparing and Analysing Data • Interactive Reporting • Compliance Reporting	• Data Quality • Set Objectives • Collaborate

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What is Eden Suite?

- A custom solution for management and reporting on environmental impacts across an organisation

- A single, efficient and integrated system to:
  - Enable improved understanding of consumption
  - Improve ability to measure environmental performance against targets
  - Deliver reliable environmental impact reporting using consistent methods
  - Enable demonstration of individual department or or whole of organisation actions
  - Automate collection of supplier data and reduce manual collection & entry

- A collection of environmental data from multiple sources:
  - Suppliers – gas, fuel, renewable generation, water, electricity, paper, air travel
  - Internal systems – floor area, staff numbers, organisation specific data

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Structure

- Structure is all about creating your organisation's profile and data management frameworks in the system.

- Setting up organisation hierarchies and assets

- Setting up the activities you want to track and the suppliers who provide the information

- Building reference data sets for and links between these elements

- Establishing rules for the treatment of data

Capture

- Identifying where and how electronic Activity data can flow through The Network
  - Setting up processes and resources for the 'Stewardship' of this data

- Manually adding Activity data

Inform

- Analyse your organisation's performance in more detail
- Review data at any organisation or asset level
- Investigate data to the source level

- Prepare onscreen and exportable reports

Action

- Manage the quality of your data
  - Ensure full data sets
  - Estimate missing
  - Review data for ongoing issues such as lack of data due to changed suppliers or closed sites

Tenancy

- Individual organisations using Eden Suite are known as Tenants
- A tenancy is created by the Systems Administrator (Intelligent Pathways) providing for:
    - Secure access for a tenant's users
    - Secure storage of an organisation's data
    - A number of tenancy configurable elements depending on the organisation's profile and needs

- In complex organisations multiple tenancies can exist and can be grouped by the Systems Administrator into a 'Tenant Group'. This upholds security capability for each tenant but provides for:
    - The implementation of shared configuration elements

Training

- Training will logically work through the Eden Suite training module available to you upon login. The site has been separated into four key areas:
  - Tenancy Configuration – for data migration and user management
  - Structure – for system set up including assets, activities and hierarchies
  - Capture and Analysis – for entry and monitoring of environmental data
  - Reporting – for internal and compliance requirements

- Training will use a mix of presentation, demonstration and practical application

Q&A / Discussion

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Thanks for your time

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