

Presentation

Eden Suite Key Terms & Concepts

Date

November 2019



Items Covered

- Activity
- Asset
- Measurement Device
- Organisation
- Hierarchy
- Metadata & Indicators
- Data Distribution
 - Aggregation, Apportionment, Allocation
- Data Pedigree
- The (Exchange) Network
- Supplier



Activity

- An action performed that produces emissions (eg GHG) and/or produces or consumes a Resource
- A Resource is something that can be:
 - Consumed eg Water
 - Produced eg Waste
 - Emitted eg Refrigerant Leakage
- Activities are associated with Calculation Methods to measure emissions
 - The Methods determine the type of data needed to be captured
- Activity Groups represent logical groupings of related Activities
 - Assists with general usability and insight

- A location where Activities can be performed, or an object that performs an Activity eg building, floor, machine
- Represents the lowest level of granularity for the assigning of emissions to a location/object
- Require Measurement Devices to receive direct Activity Data
- Can be of an Asset Type
 - Logical classification for comparative purposes eg Facility, Building, School, Office, Depot
- Have Attributes – contextual information about the asset



Measurement Device

- A point of measure or capture of Activity data
- Has a unique reference identifier
 - Electricity: NMI
 - Gas: MIRN
 - Transport Fuel: Vehicle Rego +
- Can be physical (meter, sub-meter) or notional (account)
- Attached to an Asset
- Required to enter data into the System
- Represents the point of integration with external systems via The Network
- Have types that relate to Activities



Organisation

- Organisation refers to the logical framework that reflects your organisation's business structure
- It is the structure against which most reporting elements are set against
- It can be set up in any number of different ways:
 - Operating divisions
 - Regional divisions
 - Operating functions
- Assets are linked to levels of the Organisation under an Organisation Asset Relationship (OAR) that facilitates the Allocation of data to the Organisation.



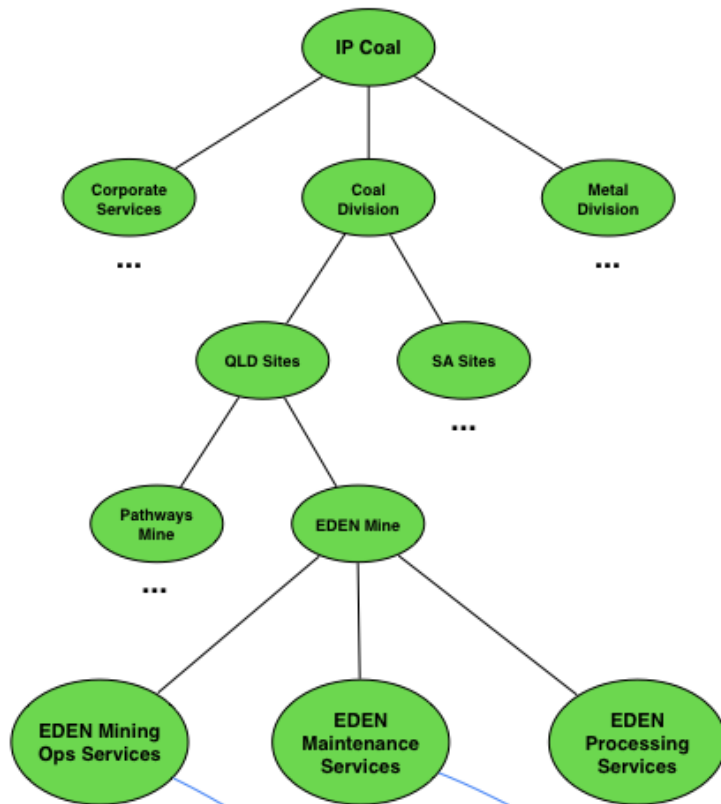
Hierarchy

- A grouping of related elements in a structured, cascading format
- Creates dependencies for the logical flow of data
- Typically represents a reporting structure
- Can provide for exclusive data relationships
- Different Hierarchies exist:
 - Asset Hierarchies: facilitate data distribution
 - Asset Type Hierarchies: helps define the likely structure of an Asset Hierarchy
 - Organisation Hierarchies: Logical representation of a business structure
 - NGER Hierarchies: Organisational Reporting Structure in compliance with NGER Legislation
 - Organisation Type Hierarchies: helps define the likely structure of an Organisation Hierarchy

Concept - Hierarchy

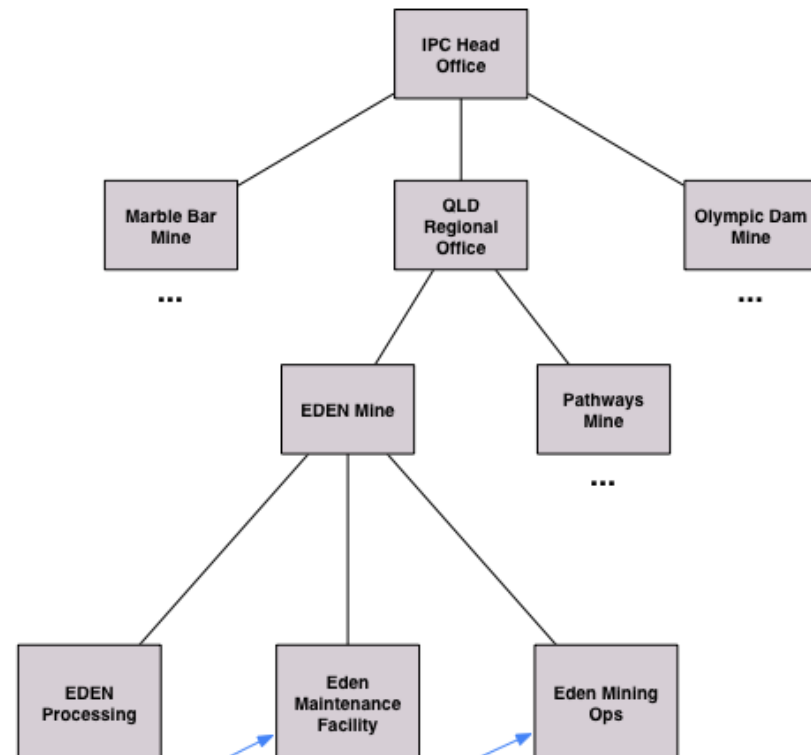
Organisation Structure

IP Coal Organisation Hierarchy



Asset Structure

IP Asset Hierarchy



Org - Asset Relationship
01Jul 2007 to current

Org - Asset Relationship
01Jul 2007 to current

Attributes & Indicators

- An Attribute is reference information that can be captured against an entity
- Attributes are created and assigned to Asset and Organisation Types to become active
- Can be mandatory or optional fields
- Indicators measure the relative impact or performance of an Activity
- Combines attributes with a Metric Type

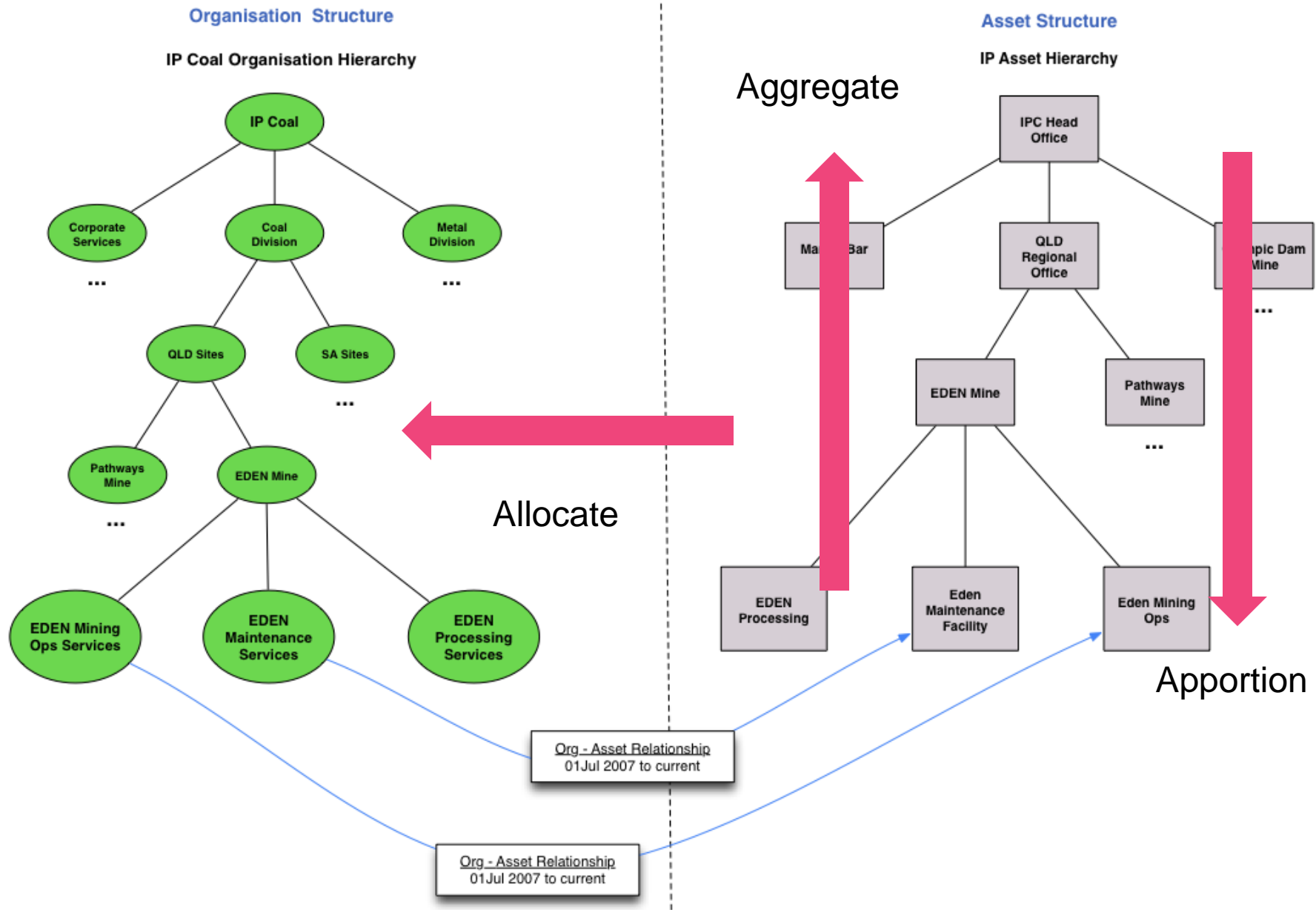
Attribute Definition	Activity Data Metric Type	Indicator
FTE	CO ₂ Equivalent	CO ₂ Equivalent/FTE
m ²	CO ₂ Equivalent	CO ₂ Equivalent/m ²
m ²	Kg of Landfill	Kg of Landfill/m ²
FTE	Kg of Compost	Kg of Compost/FTE



Data Distribution

- A range of features that moves data up, down and across hierarchies
- Aggregation
 - Distribution of data UP an Asset hierarchy from an Asset to its immediate parent
 - Happens automatically within an Asset Hierarchy
 - Does not include Apportioned data
- Apportionment
 - Distribution of data DOWN an Asset Hierarchy from an Asset to its child asset
 - Facilitates more granular reporting when direct data is not possible
- Allocation
 - The distribution of data from an asset to a related Organisation
 - Achieved via an Organisation Asset Relationship (OAR)

Concept – Data Distribution



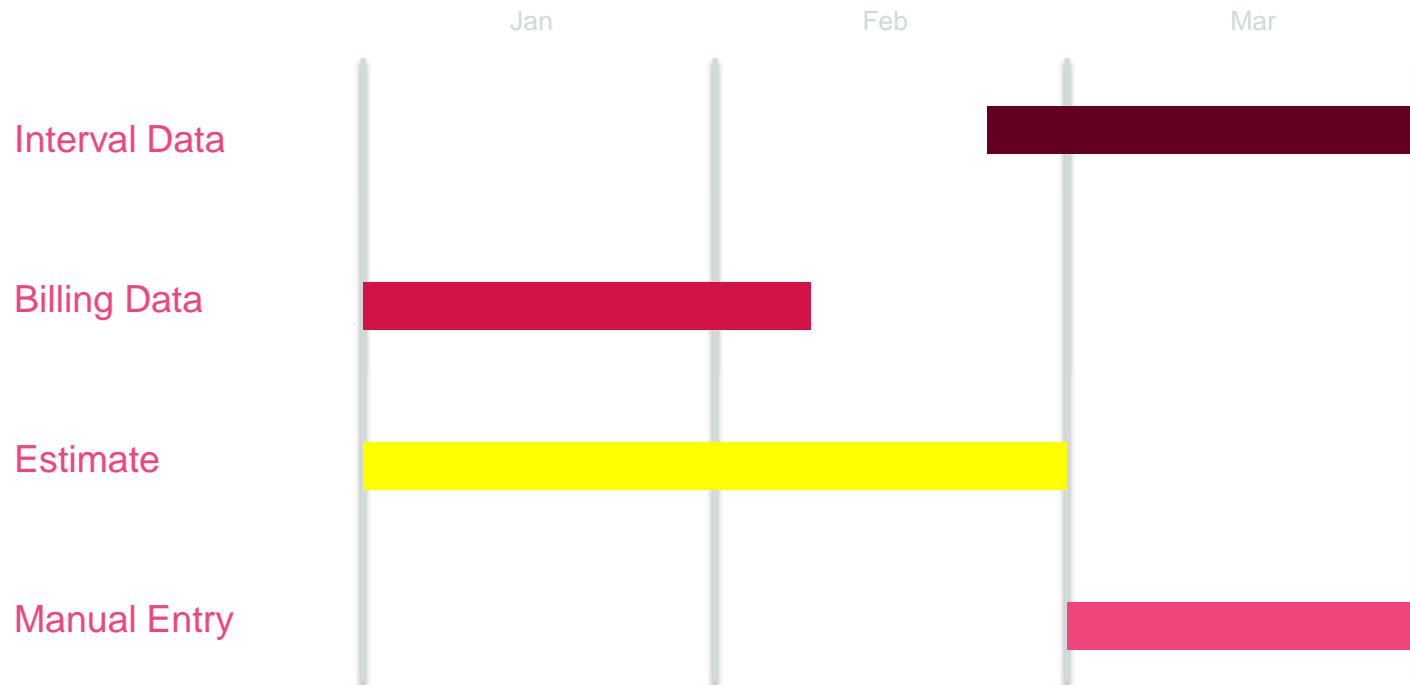


Data Pedigree

- Pedigree a status applied to a data feed that is a combination of:
 - Usage Type: Actual or Estimate
 - Data Source: such as Interval Data, Manual Reading, Supplier Invoice, Supplier Electronic
- Multiple pedigrees of data can be captured by the System for the same activity, to the same asset, for the same time period
- Pedigree Priority is a ranking applied that determines which data will be used for the designated time period by the System for all calculations and reports
- The list of Pedigrees is pre-configured
- Tenants can adjust their Priority by Activity

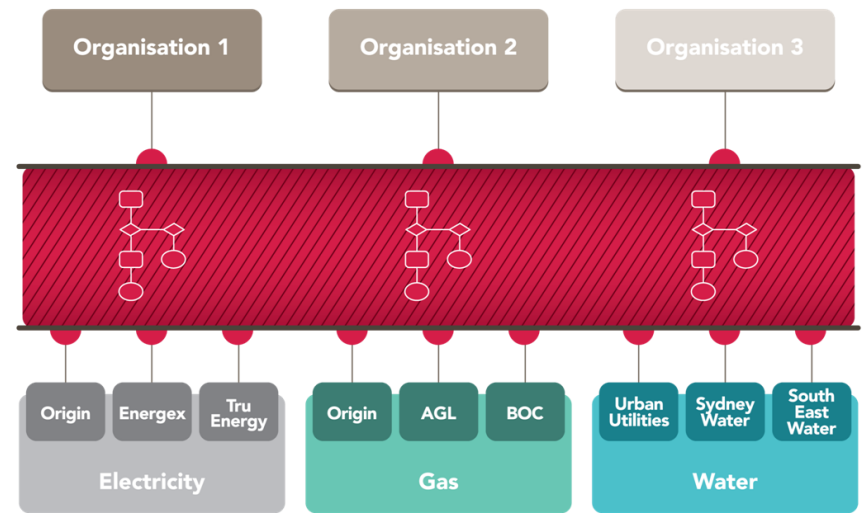
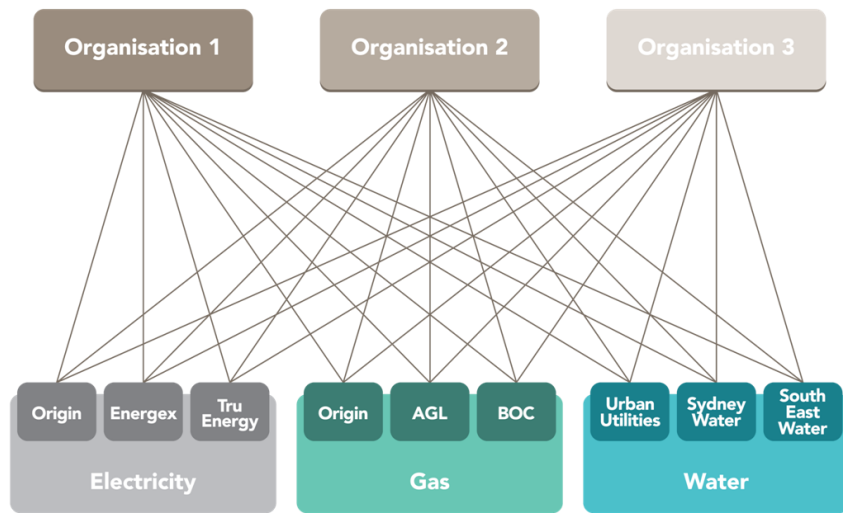
How Pedigree Works

Incoming Data



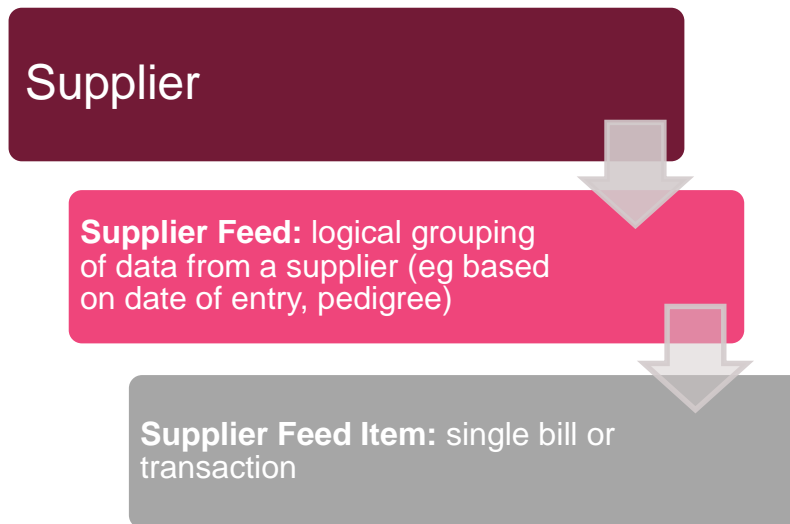
Data Used

The Concept of Exchange



Supplier

- A supplier is an entity that provides consumption information to the system
 - Usually external (eg electricity retailer) but can be internal (eg tenant software containing data)
- Supplier Group: logical group based on what is supplied eg Air Travel



Questions

