

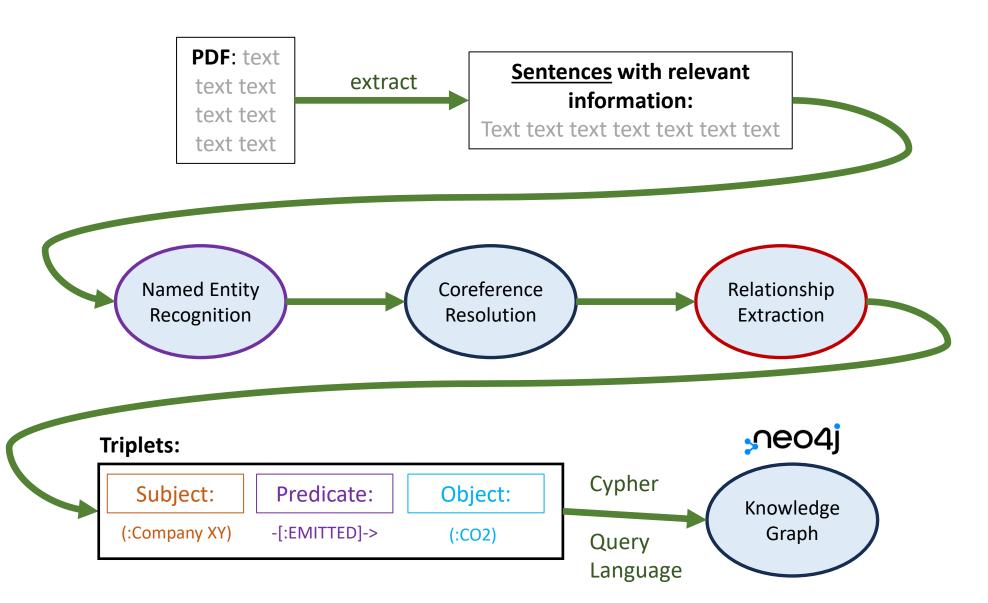
PROJECT PROPOSAL

by

Working Package 4

Project Digitalization - Winter Semester 2023/2024

Initial Plan



European Sustainability Reporting Standard (ESRS)

EXPOSURE DRAFT

ESRS E1 Climate change

Basis for conclusions

[Draft] List of ESRS Data Points - Implementation Guidance									
05-03 EFRAG SRB Meeting 25 October 2023									
Please find instructions, explanations and a disclaimer on the content of this Workbook in the accompanying note 05-02.									
Standard (click to jump):									
ESRS 2 - General Disclosures									
ESRS 2 - Minimum Disclosure Requirements (MDR)									
E1 - Climate Change									
E2 - Pollution									
E3 - Water and Marine Resources									
<u>E4 - Biodiversity and Ecosystems</u>									
E5 - Resource Use and Circular Economy									
S1 - Own Workforce									
S2 - Workers in the Value Chain									
S3 - Affected Communities									
S4 - Consumers and End-users									
G1 - Business Conduct									

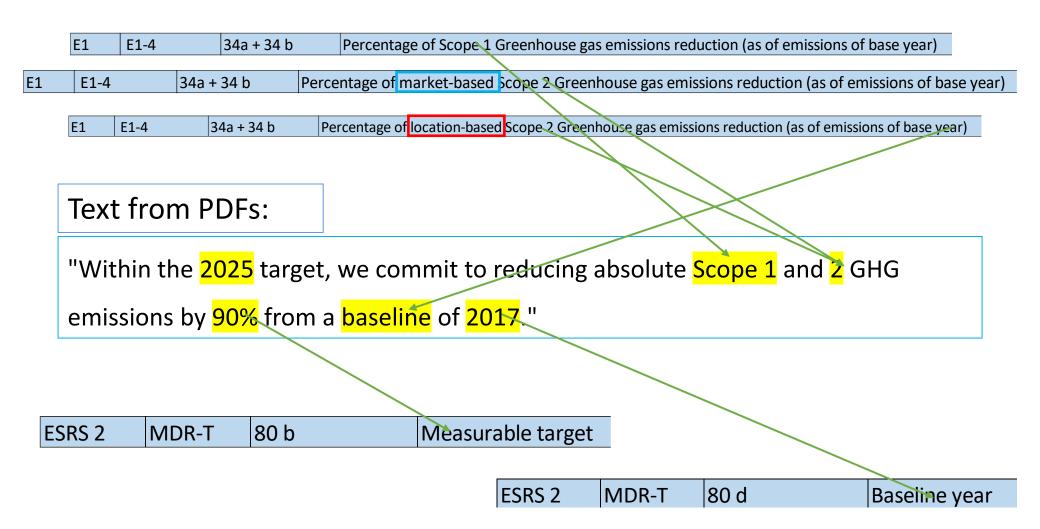
ESRS (Draft): Required Data to be reported



Extract:

E1	E1-1	16c	Financial resources allocated to action plan (OpEx)	monetary	
E1	E1-1			monetary	
E1	E1-1	16d	Explanation of potential locked-in GHG emissions from key assets and products and of how locked-in GHG emissi	narrative	Quantitative
E1	E1-1	16e	Explanation of any objective or plans (CapEx, CapEx plans, OpEx) for aligning economic activities (revenues, CapE	narrative	Qualititative
E1	E1-1	16f	Significant CapEx for coal-related economic activities	monetary	
E1	E1-1	16f	Significant CapEx for oil-related economic activities	monetary	
E1	E1-1	16f	Significant CapEx for gas-related economic activities	monetary	Text/Number
E1	E1-1	16g	Undertaking is excluded from EU Paris-aligned Benchmarks	semi-narrative	rexe, rearriber
E1	E1-1	16h	Explanation of how transition plan is embedded in and aligned with overall business strategy and financial planning	narrative	
E1	E1-1	16i	Transition plan is approved by administrative, management and supervisory bodies	semi-narrative	
E1	E1-1	1 6j	Explanation of progress in implementing transition plan	narrative •	Text
E1	E1-1	17	Date of adoption of transition plan for undertakings not having adopted transition plan yet	gYear	ICAL

Initial Idea: Mapping sentences to ESRS Data Points



ESRS: XBRL-Format Delivery Requirement



XBRL: eXtensible Business Reporting Language

XBRL-Package:

- ESEF Taxonomy Schema (.xsd)
- Taxonomy Linkbases (.xml)



Difference between Taxonomy and Ontology

Taxonomy Schema Ontology / Knowledge Graph M.X Microfit anciel Taxonomy 1.0 General_Llement_ Element declaration Entry point Label Dimension declaration.xsd point.xsd Roleisad Dimension core.xsd Statement 2 Dimension role.ssd Statement I Statement I derive Statement 20 Statement 2 Entry point,xad DefinitionLinkbase.xml Statement 16 Element_declaration xsd Dimension.vad DefinitionLinkbase.xml DefinitionLinkbase.xml

Hierarchy

PresentationLinkbase.xml

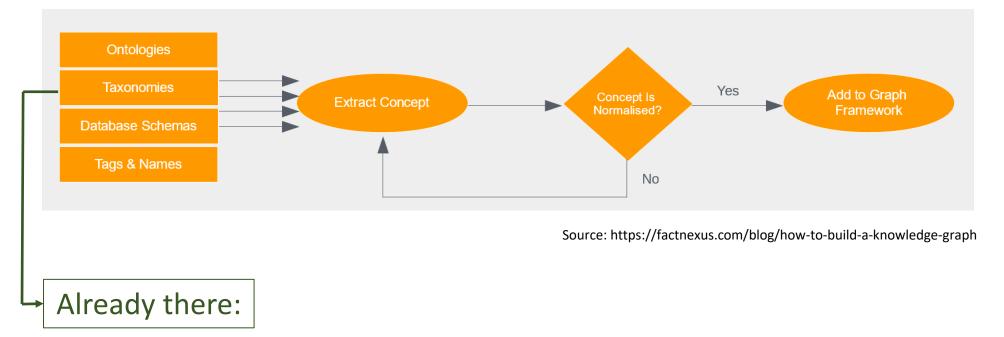
PresentationLinkbase.xml

Calculation Linkbase.xml

Concrete

- Semantic Meaning
- Relationships

How to build a Knowledge Graph



ESEF XBRL Taxonomy: Financial Reports

Coming:

ESRS XBRL Taxonomie: ESG-Reporting

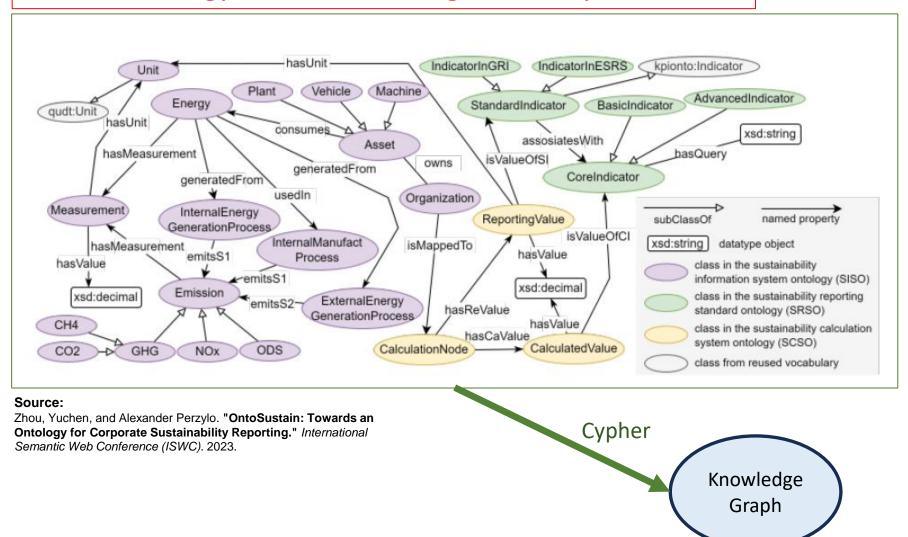
based on

ESRS (Draft)

ESRS 2 - General Disclosures
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E1 - Climate Change
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Plan ahead

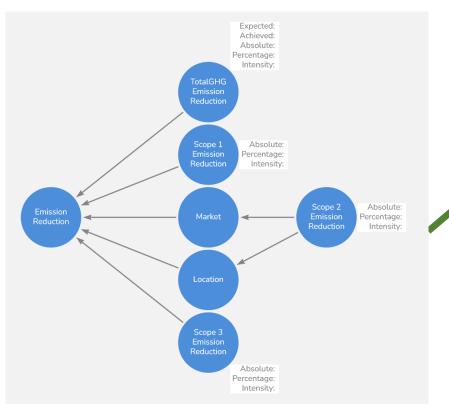
Create Ontology based on coming taxonomy:



Plan ahead

Intensity: ""}),

Create Ontology based on coming taxonomy:



({Expected: "", Achieved: "", Absolute: "", Percentage: "", Intensity: ""})[:_RELATED]->(`Emission Reduction`)<-[:_RELATED]-()<-[:_RELATED](`Scope 2 Emission Reduction`)-[:_RELATED]->()-[:_RELATED]->(`Emission Reduction`)

Knowledge Graph

CREATE ({Absolute: "", Percentage: "", Intensity: ""})-[: RELATED]-

>(`Emission Reduction`)<-[: RELATED]-({Absolute: "", Percentage: "",

Arrows.app example for Emission Reduction

Questions?

