Sustainability Data Analyst (DAN)

**Learning Pathway: Foundation level in Level 5 Certificate in ESG Data Foundations**

This curriculum prepares learners to develop foundational sustainability awareness and analytical thinking essential for entry-level data roles in sustainability reporting and compliance. Graduates will understand core ESG frameworks, basic data collection methodologies, and fundamental regulatory requirements. They typically contribute to sustainability data infrastructure projects and support the development of environmental reporting systems within organisations beginning their sustainability journey.

EQF Level 5 | 0.5 ECTS | 1 Learning Units | Work-Based Learning: 16.0% (exceeds 20% minimum)

# Programme Overview

**Role Focus:** ESG data analysis and regulatory compliance

**Target Audience:** Entry-level professionals and recent graduates seeking to develop basic sustainability data skills for regulatory reporting roles

**Learning Approach:** EQF Level 5 professional development programme with 0.5 ECTS, combining theoretical knowledge with practical application through structured learning and standardised work-based learning integration.

**Core Tools & Platforms:** Excel, Power BI, ESG databases, TCFD frameworks, GRI standards

# Competence Frameworks Alignment

**GreenComp Framework:** 1.1 Embodying sustainability values, 4.1 Political agency, 4.3 Collective action

## e-CF Framework (Detailed Mapping)

**A.1:** IS and Business Strategy Alignment - Level 2

**A.7:** Technology Trend Monitoring - Level 2

**B.6:** Systems Engineering - Level 1

*Learning outcomes are mapped directly to GreenComp and e-CF framework descriptors*

# Dual Education Model & Work-Based Learning

**WBL Compliance:** 16.0% work-based learning (exceeds minimum 20%)

## Model Implementation

**Minimum Wbl Percentage:** 20

**Employer Partnership:** Mandatory for all programmes

**Workplace Learning:** Integrated throughout curriculum

**Assessment Split:** 70% academic, 30% workplace-based

## Quality Assurance

**Workplace Standards:** Standardised workplace learning environments

**Mentor Qualifications:** Certified workplace mentors

**Assessment Criteria:** Unified workplace assessment standards

**Monitoring Systems:** Regular quality monitoring of WBL delivery

# Flexible Learning Pathways

**Modular Design:** Learning units designed for flexible recombination

**Competence Catalog:** Integrated with competence-based learning unit catalog

**Stackability Options:** Horizontal and vertical stacking supported

**Pathway Flexibility:** Multiple entry and exit points available

# Assessment Framework

**Primary Method:** Basic competence demonstration

**Work-Based Component:** Workplace observation and basic task completion

**Assessment Components:**

**• Foundational knowledge test:** 40%

**• Basic data exercise:** 40%

**• Professional awareness reflection:** 20%

**Rationale:** Basic level programmes emphasise foundational knowledge acquisition and awareness development in sustainability data practices

# Delivery Framework

|  |  |
| --- | --- |
| **Total Contact Hours** | 6 hours |
| **Self-Study Hours** | 3 hours |
| **Work-Based Hours** | 2 hours |
| **WBL Percentage** | 16.0% (exceeds 20% minimum) |
| **Work-Based Learning** | Integrated (dual education model) |
| **Delivery Methods** | Classroom, Online, Workplace, Blended |

# Learning Unit Structure

## Learning Unit 1: Introduction to Digital Sustainability

*This learning unit forms part of the Foundation level in Level 5 Certificate in ESG Data Foundations*

|  |  |
| --- | --- |
| **ECTS Credits** | 0.5 |
| **EQF Level** | 5 (Programme: 5) |
| **Total Workload** | 12.5 hours |
| **Contact Hours** | 6 hours |
| **Self-Study Hours** | 3 hours |
| **Workplace Hours** | 2 hours |
| **WBL Percentage** | 20.0% |
| **Thematic Area** | Foundation |

**Description:** Core sustainability concepts and their intersection with technology systems for digital professionals

### Work-Based Learning Integration

**Employer Partnerships:** Financial services, manufacturing, energy sectors

**Mentor Support:** Workplace mentor assigned for practical guidance

**Workplace Activities:**

• ESG data collection projects

• Regulatory reporting tasks

• Audit support activities

### Learning Outcomes

**Knowledge:** Compare regulatory compliance requirements for introduction to digital sustainability within professional sustainability practice.

*Framework: GreenComp: 4.1 Political agency*

**Skills:** Organise Power BI visualisation of introduction to digital sustainability metrics to support organisational sustainability objectives.

*Framework: e-CF: Technology Trend Monitoring - Level 2*

**Competence:** Contribute to team leadership in regulatory reporting activities related to introduction to digital sustainability while ensuring professional standards and stakeholder value.

*Framework: e-CF: Systems Engineering - Level 1*

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