

METADATA (*)

TOPIC B – Training Unit 5: Feedstock adaptation agent & Green ICT

Source

Partner: ICCS

Project: TRINEFLEX - Transformation of energy intensive process industries through integration of energy, process, and feedstock flexibility, Grant agreement ID: 101058174

Ownership

ICCS team

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Abstract

This training unit provides in a single lesson a background and basic knowledge about Feedstock adaptation agent and Green ICT methodology that will be considered in TRINEFLEX. Firstly (Part A), the Feedstock Adaptation agent provides background and basic knowledge that will be considered in TRINEFLEX. The general concept of feedstock valorization, Circular Economy, Industrial Symbiosis and biomass conversion value pyramid will be presented. The training unit will also demonstrate (Part B) the features of ICTs, Green ICT methodology, its benefits to the end users and how methodology will be applied in the industry. The lessons will also cover the European Standards for Green ICT.

Structure

- Lesson 1: Feedstock adaptation agent & Green ICT

The lesson deals with the following topics:

Part A: What is the concept behind the Feedstock adaptation agent

Feedstock adaptation agent in industry

Part B: What is Green ICT?

The importance of Green ICT

The Green ICT methodology

The relevant European Standards for Green ICT

How is Green ICT methodology applied in industry sector

Learning Outcomes

www.trineflex.eu



After this Training Unit, the trainees will be able to identify and describe the principles and concepts of Circular Economy, Industrial Symbiosis, valorization and biomass pyramid, as well as Green ICT. Furthermore, they will be able to use this knowledge to develop their conceptual graph related to feedstock adaptation or their Green ICT methodology based on their perspectives and needs.

Intended Audience

The main target group is the TRINEFLEX consortium, however, the training unit is suitable also for students, researchers, and decision-makers who are familiar with environmental sciences, ICTs, and TRINEFLEX project.

Pre-requisites

It does not need any knowledge or skills.

Language: English

Format: Video mp4, PDF

Expected workload

Expected workload is 15 min.

Complementary additional training material:

No additional training material is required. Reference, which could be the source of further information are provided.

(*) The structure of the Metadata for the Training Units derives from the training Metadata model developed within the Leonardo da Vinci project LINKVIT (2013-15, GA N. 2013-IT1-LEO05-04046)