





Module 4 – Conflict Resolution in the Agro-food sector

Topic 3: New trends and workplace dispute

SESSION 2



“ Introduction

Emerging trends are **re-shaping processes and cultures** in the agri-food and waste management industry and have **become a necessity** with the increasing population and scarcity of planetary resources. In this session, we are going to explore the **various trends in the waste management sector that will most definitely shape the future** of the sector and of the planet.



An aerial photograph of a small, white boat with a blue cabin, floating on a vast expanse of dark blue, textured water. The boat is positioned on the left side of the frame, leaving a small wake behind it.


A- New trends in the waste management sector



A- New trends in waste management



Automated
processes



Including:
Waste sorting,
collection and
disposal.



A- New trends in waste management



Automated
processes




Using:
Robotic recyclers
using artificial
intelligence
backed
algorithms



A- New trends in waste management



Automated
processes




Ai-based
solutions to
determine the
best route for
trucks, in order
to save fuel avoid
traffic delays



A- New trends in waste management



Automated
processes




Computer vision
facilitate smart
sorting



A- New trends in waste management



Automated
processes




Robotic arms
work faster and
can lift heavier
objects.
They can as well
pick plastics from
the sea. And the
seashores.



A- New trends in waste management



Landfills monitoring




Using:
Drones to
measure air
quality and
detect radiation.



A- New trends in waste management



Innovative
composting




To reduce the use
of chemical
fertilizers.



A- New trends in waste management



Blockchain
powered solutions




To track material
lifecycle in order
to improve
recycling
efficiency and
divert waste from
landfills.



A- New trends in waste management



Blockchain
powered solutions



To track material
lifecycle in order
to improve
recycling
efficiency and
divert waste from
landfills.



A- New trends in waste management



Blockchain
powered solutions



To track material lifecycle in order to improve recycling efficiency and divert waste from landfills.



A- New trends in waste management



Think circular




It involves
reusing product
waste to create
new products.



A- New trends in waste management



Think circular




Waste to energy
plants can
produce
electricity.



A- New trends in waste management



Reusable packaging




Such as
borrowing
packaging
containers and
return them after
use.



A- New trends in waste management



Big Data and
Analytics



Data collected from the bin sensors offers insights into the frequency of bin emptying based on the location.



A- New trends in waste management



Big Data and
Analytics



It can analyze
data to check if it
is recyclable or
not.



A- New trends in waste management



Curb climate
change



A- New trends in waste management



Ultimate objectives




To offer food and
resources to an
ever-growing
population



A- New trends in waste management



Ultimate objectives



Increase speed
and efficiency



A- New trends in waste management



Ultimate objectives



Valuable waste data to identify and solve problems.

Thank you



Contact us

www.enicbcmmed.eu/projects/mysea

The Lebanese Development Network (LDN)

Jal El Dib, Garden Building

Beirut - Lebanon

P.O.Box: 60-374 Jal El Dib, Lebanon

Tel: +961 4 716 433

Website: www.ldn-lb.org

Email: info@ldn-lb.org

Centro Informazione Educazione allo Sviluppo (CIES) Onlus

Via Merulana 198 - 00185

Rome - Italy

Tel. +39 06 77264636 / +39 06 77264638

Website: <https://www.cies.it/progetti/mysea/>

Emails: mysea.communication@cies.it

mysea.coordination@cies.it