

CHAPTER 2: Last Mile Distribution logistics operation and impacts

UNIT 5: Environmental and Social Impact of LMD Logistics

Capsule 2.5.7

Social Utility of LMD for Society

To be done prior to this capsule:

This Capsule can be a self-standing study document. Nonetheless, please go through Chapters 1-2 for a better understanding of LMD features

Capsule linked with:

2.5.6

Authors:

Cisita Parma Scarl & NVF National Training Fund & SUSMILE Consortium

Objectives of the Capsule

In this capsule, users will learn the implications of LMD distribution schemes at social level, both within EU markets striving to improve environmental sustainability, and to boost the economic growth of developing countries receiving stock supplies also in remote or rural areas.

Category	Document, source	EQF		
		4	5	6
		X	X	X

Exercises included	YES
--------------------	-----

Effort for the capsule	Content	Exercises	Extra Materials
	20 Minutes	5 Minutes	60 Minutes

Contents

1. LMD contributions to developing economies: how LMD supports economic growth and local entrepreneurship in rural and remote areas
2. LMD in European urban context: how new distribution schemes can generate value proposition models for smarter cities

Instructions for the document, source revision



By reviewing the resources offered by this capsules, the user will be able to gain information about:

- 1.LMD contribution not just providing stock supplies to urban centers, but also offers to developing economies (Brazil, Russia, India, China) the opportunity to supply basic services particularly in rural areas.
- 2.the distribution of stocks to emerging economy facilitating the growth of local micro-entrepreneurs as well as the development of a new target market represented by the low-income working class.
- 3.LMD not just causing environmental impact in European city centres, but even providing alternative distribution schemes in limited traffic areas or monumental district, aimed at preserving the urban context while delivering just-in-time stocks.

Document, Source 1

From this section you will access a resource about the contribution of LMD to the growth of local economy in developing countries, especially in rural areas, also by cooperating with local NGOs, setting the path for innovative distribution schemes and the establishment of new markets:



Ménascé, D. (2014). Economic and social issues around Last Mile Delivery. *FACTS report, special issue 12*.
<https://journals.openedition.org/factsreports/3637>

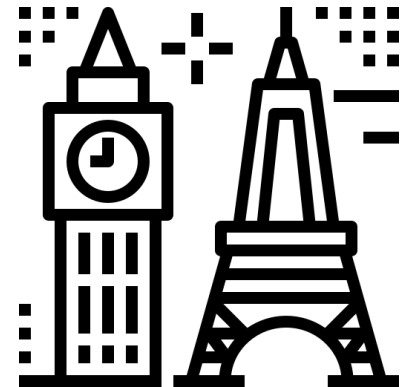


Document, Source 2

From this section you will access a resource about Value Proposition Models offered by different LMD distribution schemes in urban contexts. European cities often have historical city centres with traffic restrictions due to smaller spaces, old streets and infrastructure, monumental buildings and so forth. New LMD models, obtained by cross-referencing the needs analysis from retailers operators and the statistical analysis of factors affecting deliveries, can help derive more effective distribution schemes, smarter cities and happy customers.

Mangano, G., Zenezini, G., Cagliano, A. C. (2021). Value Proposition for Sustainable Last-Mile Delivery. A Retailer Perspective. *Sustainability*, 13(29), 3774.

<https://www.mdpi.com/2071-1050/13/7/3774>



Exercises: open questions

Please reflect and try to answer with your own words to the following open questions, designed to help you master this capsule's topics:

How can LMD promote economic growth to rural and remote areas in developing countries?

How can LMD support local entrepreneurship and the establishment of new services and economic activities in emerging economies?

How can LMD help engineering new distribution schemes in urban context, to supply stocks into the city centres without jamming and polluting them?

