

CHAPTER 2: LMD logistics operations and impacts

UNIT 4: Society Current Demands and Trends

Capsule 2.4.2

Sustainable Development Goals



To be done prior to this capsule:

No previous additional knowledge is needed

Capsule linked with:

1.3.5, 1.4.6, 2.1.2, 2.1.3, 2.3.2, 2.5.1, 2.5.2, 2.5.4, 3.3.1, 3.3.3, 3.4.5. Special direct link with capsules from this Unit 2.4.

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Objectives of the Capsule

This capsule presents Sustainable Development Goals (SDG), highlighting these goals and targets that could be more related to transport and logistics.

Category	E-learning	EQF		
		4	5	6
		X	X	X

Exercises included	YES
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Effort for the capsule	Content 15 Min.	Exercises 25 Min.	Extra material 45 Min.
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Contents

1. 17 Sustainable Development Goals
2. Link between Sustainable Development Goals and transport and logistics

1. 17 Sustainable Development Goals

The Sustainable Development Goals are **a universal call to action** among governments, business and civil society **to end poverty, protect the planet and improve the lives and prospects of everyone, everywhere.**

The 17 Goals were **adopted by all United Nations Member States in 2015**, as part of the **2030 Agenda for Sustainable Development**. EU member states are among the 193 countries that have committed to the Agenda (1).



Image: (1)

1. 17 Sustainable Development Goals

The goals are **universal**, **transcend borders** and **apply across** the workplace, marketplace and community. They are also **interdependent**: a lack of progress on one goal hinders progress on others.

In a world of increasing inequality, civil unrest and environmental stress, **business will only thrive if the 2030 Agenda is realized** (2).

The image shows the **interactions and links** between different SDG.

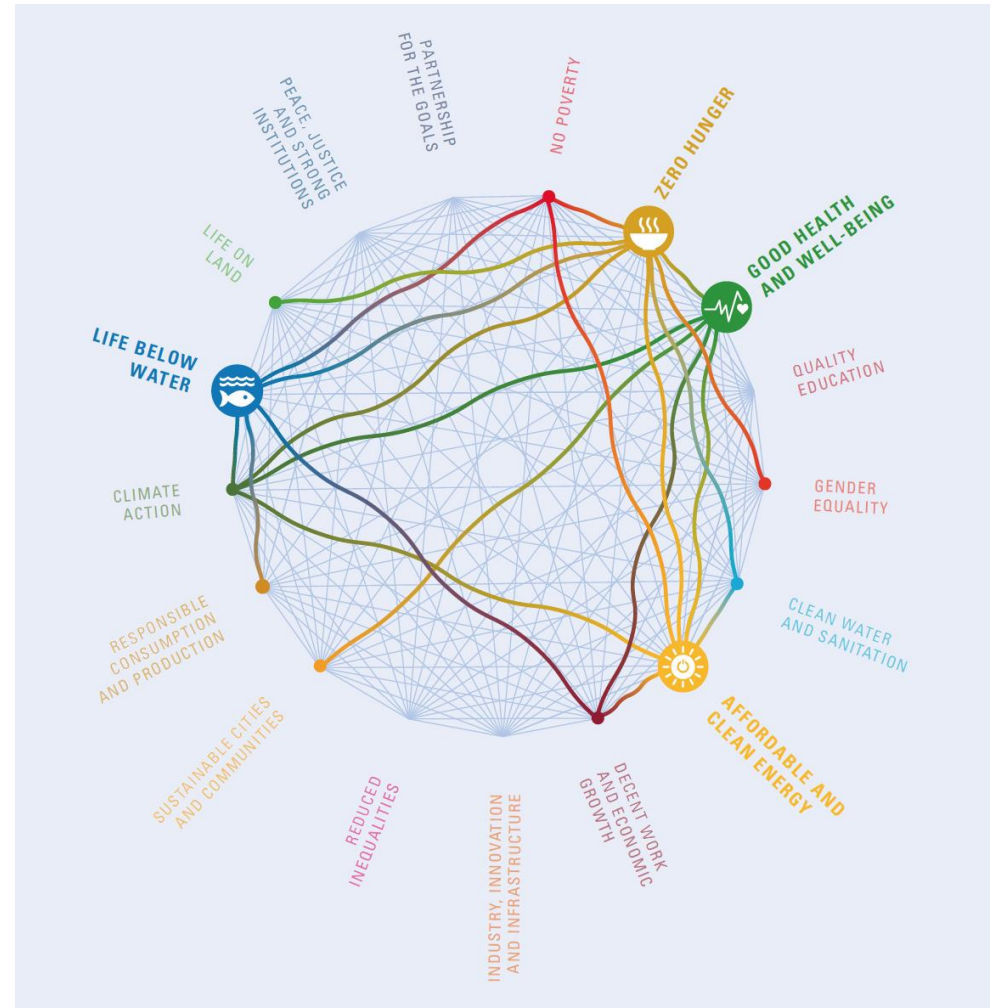


Image: (2)

1. 17 Sustainable Development Goals

To know more about 17 SDGs, watch this interesting video! (3)



(3) <https://www.youtube.com/watch?v=qfOgdj4Okdw> (duration: 6.47).

2. Link between Sustainable Development Goals and transport and logistics

In the 2030 Agenda for Sustainable Development, although transport does not have a dedicated SDG, **sustainable transport is mainstreamed across several SDGs and targets**, especially those **related to food security, health, energy, economic growth, infrastructure, and cities and human settlements** (4).

The contribution of transport to economic development and human capital is undeniable. For example (5): **without reliable and sustainable transport systems**,...

- young people cannot attend school (SDG 4),
- women cannot access opportunities for employment and empowerment (SDG 5),
- and the world cannot achieve curtail greenhouse gas emissions (SDG 13).

In the face of climate change, transport also serves **as a lifeline for vulnerable communities** affected by natural disasters - enabling the injured to receive medical treatment, and humanitarian cargo to reach those who need it most.

2. Link between Sustainable Development Goals and transport and logistics

The **transport relevance** of the SDGs and their targets can be **direct or indirect**. Transport stimulates economic and social development, ensures accessibility to opportunities, but is also associated with a number of direct and indirect externalities such as traffic congestion, air pollution and road accidents (6).

This diagram presents the **SDG targets that are related to the transport sector** (although not directly addressing it).

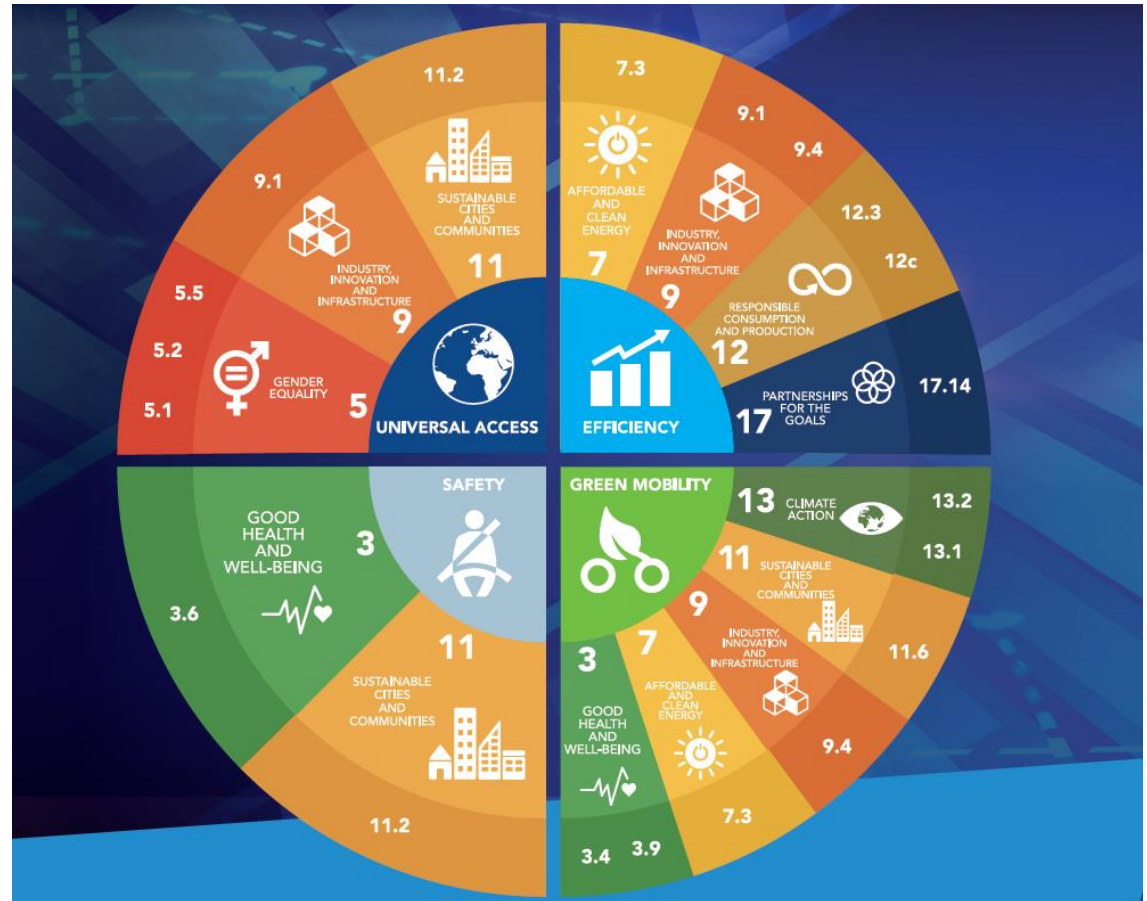


Image: (5)

2. Link between Sustainable Development Goals and transport and logistics

Two out of a hundred and sixty-nine SDG targets **directly address the transport sector** (5).



Target 3.6 By 2020, halve the number of global deaths and injuries from road traffic accidents.



Target 11. 2 Aims to, by 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations - women, children, persons with disabilities and older persons.

2. Link between Sustainable Development Goals and transport and logistics

In addition, three other targets, although not directly addressing the transport sector, can be considered as **directly related to the transport and logistics sector** (6).

Direct Transport Targets of the Sustainable Development Goals

7. Ensure access to affordable, reliable, sustainable and modern energy for all (Energy efficiency)	7.3 By 2030, double the global rate of improvement in energy efficiency
9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation (Sustainable infrastructure)	9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all
12. Ensure sustainable consumption and production patterns (Fuel subsidies)	12.c Rationalize inefficient fossil-fuel subsidies that encourage wasteful consumption by removing market distortions, in accordance with national circumstances, including by restructuring taxation and phasing out those harmful subsidies, where they exist, to reflect their environmental impacts, taking fully into account the specific needs and conditions of developing countries and minimizing the possible adverse impacts on their development in a manner that protects the poor and the affected communities

2. Link between Sustainable Development Goals and transport and logistics

This table presents these targets **indirectly related** to transport (6).

Indirect Transport Targets of the Sustainable Development Goals

2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture (Agricultural productivity)	2.3 By 2030, double the agricultural productivity and incomes of small-scale food producers, in particular women, indigenous peoples, family farmers, pastoralists and fishers, including through secure and equal access to land, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment
3. Ensure healthy lives and promote well-being for all at all ages (Air pollution)	3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination
6. Ensure availability and sustainable management of water and sanitation for all (Access to safe drinking water)	6.1 By 2030, achieve universal and equitable access to safe and affordable drinking water for all
11. Make cities and human settlements inclusive, safe, resilient and sustainable (Sustainable cities)	11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management
12. Ensure sustainable consumption and production patterns (Food loss and waste)	12.3 By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses
13. Take urgent action to combat climate change and its impacts	13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries 13.2 integrate climate change measures into national policies, strategies, and planning

2. Link between Sustainable Development Goals and transport and logistics

To know more about the link between Sustainable Development Goals and transport and logistics, check this out!

Source (website in EN) (4): United Nations. Sustainable Development Goals. Knowledge Platform. *Sustainable Transport*.



<https://sustainabledevelopment.un.org/topics/sustainabletransport>

Source (PDF in EN) (6): UN-Habitat, UNEP, SLoCaT. (2015). *Analysis of the transport relevance of each of the 17 SDGs*.



<https://sustainabledevelopment.un.org/content/documents/8656Analysis%20of%20transport%20relevance%20of%20SDGs.pdf>

Exercise

Think of a company from the transport and logistic sector. **How could this company contribute to the 17 SDGs?** Would the contribution be the same in all SDGs?



Image: (1)

Capsule's validation quiz

The following quiz represents 5 questions you will have to answer to confirm your understanding of the present capsule.

Each correct answer is worth 1 point. No point for errors.



Self-evaluation quiz

Question n°1 :

Which organisation is the promoter of 17 Sustainable Development Goals?

European Commission

NATO

USA Government

United Nations

Self-evaluation quiz

Question n°2 :

Which Sustainable Development Goal is the one that addresses education?

SDG 6

SDG 12

SDG 4

SDG 1

Self-evaluation quiz

Question n°3:

Which of the following options is not correct about Sustainable Development Goals?

Goals are linked and have interactions

Goals are universal

Goals transcend borders

Goals are not interdependant

Self-evaluation quiz

Question n°4 :

Which of the following options is true about transport and SDGs?

Transport has a dedicated SDG

There is no link between SDGs and transport and logistics

Sustainable transport is mainstreamed across several SDGs and targets

There is no link between transport and employment and empowerment opportunities (SDG 5)

Self-evaluation quiz

Question n°5 :

There are 2 out of 169 SDG targets that directly address the transport sector. Which ones?

Target 1.5 and Target 11.2

Target 3.6 and Target 17.2

Target 3.6 and Target 1.5

Target 3.6 and Target 11.2

References

- (1) United Nations. Department of Economic and Social Affairs. Sustainable Development. 17 Goals. Retrieved March 16, 2022, from <https://sdgs.un.org/goals>
- (2) International Food Policy Research Institute. (2017, July 7). *Linking the SDGs: The key to food and nutrition security*. <https://www.ifpri.org/blog/linking-sdgs-key-food-and-nutrition-security>
- (3) Sustainability Illustrated. (2020, November 20). *Sustainable Development Goals explained with 3 useful tips. Environment SDG Sustainability* [Video]. YouTube. <https://www.youtube.com/watch?v=qfOgdj4Okdw>
- (4) United Nations. Sustainable Development Goals. Knowledge Platform. *Sustainable Transport*. Retrieved March 16, 2022, from <https://sustainabledevelopment.un.org/topics/sustainabletransport>
- (5) Sustainable mobility for all. *Implementing the SDGs*. Retrieved March 16, 2022, from <https://www.sum4all.org/implementing-sdgs>
- (6) UN-Habitat, UNEP, SLoCaT. (2015). *Analysis of the transport relevance of each of the 17 SDGs*. <https://sustainabledevelopment.un.org/content/documents/8656Analysis%20of%20transport%20relevance%20of%20SDGs.pdf>