LEMOS – Laboratory for Sustainable Mobility Education
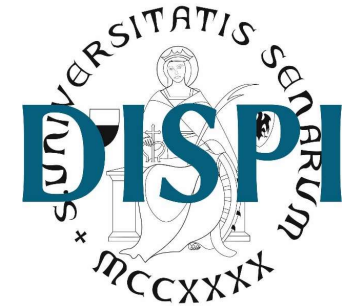
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https://lemos.unisi.it/chi-siamo/

DEPARTMENT

Political and International Sciences - University of Siena

LABORATORY

Laboratory for Education for Sustainable Mobility (LEMOS)

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Research activity

THE PRESENT SITUATION - The current mobility model dominant in western societies places a number of environmental, but also social and economic challenges on present and even more so on future generations. Global warming, the need to reduce CO2 emissions, fine particle pollution, social problems related to road accidents and traffic - urban extra-urban on major thoroughfares - make it clear that the current mobility model is unsustainable and calls for a rethink, in order to move towards more sustainable mobility. All this is necessitated by the goals set by the Paris COP21 agreement and the Global 2030 Agenda for Sustainable Development and is made urgent by the health emergencies that urban dwellers, and others, are confronted with on a daily basis.

THE MISSION OF THE LABORATORY - If the technical-scientific disciplines have and will have the responsibility of designing the means and infrastructures of the mobility of the future on a material level, the humanities can play a leading role on the front of the 'mobility culture', understood as that set of values and behavioural aspects resulting from long-term stratification, which it is essential to correct. There is an urgent need to redesign cities to better manage public space, to avoid accidents and to breathe healthier air. Mobility such as we have today, based and designed on the use of private vehicles, in fact generates congestion of public space and sacrifices places for people to socialise. LEMOS aims to spread a new culture of 'moving well', also due to important innovations of the last period, such as the revival of the use of bicycles, shared mobility and electric motors for cars and motorbikes.

Images

Some LEMOS publications

Activities to disseminate a 'culture' of sustainable mobility

Technologies and services

The Laboratory for Sustainable Mobility (LEMOS) of the University of Siena, within the broader scientific framework, represents a unicum for the knowledge of new forms of mobility aimed at reducing the environmental and urbanistic impact of the current system of getting around.

The aim of LEMOS is to bring citizens closer to a culture of sustainable mobility, making them aware of current problems. Furthermore, LEMOS provides strategic support to companies, institutions and political circles in order to equip them with the necessary tools to face the challenges of the future.

Expertise and synergies - LEMOS consists of a team of researchers with proven skills that can offer knowledge to address complex issues in the mobility and urbanisation system. LEMOS is available to offer its expertise in synergy with other institutions and in collaboration with public and private institutions, companies and citizens for sustainable mobility education.

Applications and collaborations

The Laboratory for Education on Sustainable Mobility (LEMOS) wants to become a reference in the debate on the transition to new forms of sustainable mobility. The most sustainable forms of mobility (non-motorised mobility and public mobility) have long been neglected in favour of a model based exclusively on individual motorisation. This has led to the formation of a mobility culture that still weighs heavily today on both government choices and, above all, on individual propensities.

The Laboratory wishes to establish synergies between universities, associations, foundations and companies, in order to carry out scientific and statistical studies, which can filter through to public opinion as much as possible, in order to have an ongoing 'Third Mission' activity. In addition, the Laboratory can prepare studies and consultancy for public and private administrations on the topics of transport, parking, space planning and shared mobility policies.

A fundamental part of the activity is represented by teaching with master/training courses and collaboration agreements already in place with the UNIPOLIS Foundation of Bologna, the Chamber of Commerce of Siena and the Ferrovie dello Stato Italiane Foundation of Rome.

For more information

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