THE IMOLA LIVING LAB

Experiences of safe mobility, sustainability and inclusiveness at the service of the global community

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The Imola Living Lab ... the origins

15th April 2021

The Enzo e Dino Ferrari circuit obtains the first level of environmental certification from the FIA.

Formula 1 Pirelli Gran Premio del Made in Italy e dell'Emilia Romagna 2021
Italy - Emilia Romagna - Imola

Emilia Romagna, the Land of Motors, is known as “Motor Valley”, a region that is historically linked to the production of race cars and motorcycles, which has made speed a way of life.
**Italy - Emilia Romagna - Imola**

**Imola** is a crossroads of passions: mechanics and motors, science and art.
The origins of the racetrack of Imola are told by Enzo Ferrari in his book: “My first contact with Imola dates back to the spring of 1948. I thought from the first moment that this hilly environment could one day become a small Nurburgring ...”
The Imola Living Lab ... the origins

The Autodromo Internazionale Enzo e Dino Ferrari

Race control

The boxes

Medical Center

Media center
The Imola Living Lab ... the story

The 2030 Agenda for Sustainable Development

1. No Poverty
2. No Hunger
3. Good Health
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Renewable Energy
8. Good Jobs and Economic Growth
9. Innovation and Infrastructure
10. Reduced Inequalities
11. Sustainable Cities and Communities
12. Responsible Consumption
13. Climate Action
14. Life Below Water
15. Life on Land
16. Peace and Justice
17. Partnerships for the Goals
SDG Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable

Target 11.2: ... 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.

SDG GOAL 3: Ensure healthy lives and promote well-being for all at all ages

Target 3.6: ... halve the number of global deaths and injuries from road traffic accidents.
The Imola Living Lab ... the story

Main areas of action

ROAD SAFETY

SUSTAINABILITY

INCLUSIVITY
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A multi-partnership approach between different actors…

high-level professional and academic courses with research and technological experimentation

promotion and dissemination of road safety culture
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... high-level professional and academic courses

MULTI-CAMPUS UNIVERSITY

In addition to Bologna, there are the campuses in...
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... high-level professional and academic courses
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... high-level professional and academic courses

It is specialized in activities about health, safety, green, sustainable systems.

**VOCATION**

- AGRICULTURE
- MEDICINE
- PHARMACY AND
  BIOTECHNOLOGY
- ENGINEERING
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... high-level professional and academic courses

Professional Master in Sustainable and integrated Mobility in Urban Regions

Autodromo Enzo e Dino Ferrari becomes a place able to provide culture on road safety and sustainable mobility.
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... promotion and dissemination of road safety culture
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Ventures for the environment and sustainability
The Imola Living Lab ... the story

Ventures for the environment and sustainability

One-star level of the FIA environmental certification
The Imola Living Lab ... the ventures for the environment and sustainability

ISO: 20121
Sustainable Event Management Systems
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Ventures for the environment and sustainability

One-star level

Three-star level

ISO: 20121
Sustainable Event Management Systems
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Ventures for the Environment and Sustainability

Energy from renewable sources
- Energy production with photovoltaic system

Noise protection
- Active and passive systems

Sustainable mobility
- To and from the racetrack

CO₂ Compensation
- Planting trees to compensate
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Energy from **renewable sources**

**photovoltaic** panels for on-site energy production

- 2500 m² covered area
- 297.6 kWp power peak capacity
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Energy from renewable sources

photovoltaic panels for on-site energy production

2500 m² existing covered area + 600 m²
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Noise protection

Passive systems
construction of acoustic barriers

Active systems
control and modulation
of noise from motor events
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Noise protection
Active systems - Management of noise from motor events

Control
Monitoring network consisting of 7 photometric stations

Modulation
Definition of an algorithm to evaluate the number of vehicles that use simultaneously the race, in order to comply the noise thresholds
Sustainable mobility to favor intermodality train with bike

Micro-mobility with free-flow bike sharing service georeferenced
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**Sustainable mobility**
to favor the use of the bike

Development of a thesis to design the urban bikeway from Sasso Morelli to Imola
Quantification of the CO₂ impact

Development of a thesis to evaluate the CO₂ emissions due to the main motor activities.
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CO₂ compensation

The Forest of the Racetrack
The Imola Living Lab ... the story

To study a **strategy for new forestry operations**

Green urban infrastructure and sustainable mobility

**Expected benefits to 30 years**

**CO₂ absorption**
4928,112 t/year

**O₃ removed**
59190,15 kg/year

**NO₂ removed**
61334,97 kg/year

**PM₂,₅ removed**
18638,61 kg/year

Data processing of UNIFI-DAGRI
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**CO₂ compensation**

The Forest of the Racetrack

December 2021

winning of the MITE forestry call

Start to plant 4000 new trees
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Start to plant 4000 new trees with the community
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Electric mobility...

Smart EQ fortwo e-cup
It is the first Touring Championship in the world dedicated to an electric car.
Electric mobility...

ELECTRIC SUPER TOURING CAR - ESTC
It is the first Electric Super Touring Car in the world.
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Electric mobility...

Go Smart Go Green
Electric track day

It is the first National Tour with training and dissemination objectives that aims to educate and encourage people to use an electric vehicle in total safety in urban centres.
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... the racetrack for the city and the inclusivity
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- Robotic rehabilitation gym
- Park and rehabilitation garden
- Rehabilitation pool
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“Progetto Patente” to obtain the driver's license
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“Sport senza barriere”

Two days of Sport and Inclusivity

550 disabled athletes
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Global Forum for Road Traffic Safety - 83rd session

22th September 2021
The Imola Living Lab ... the story

The first Global Event

IMOLA LIVING LAB - ROAD SAFETY, SUSTAINABILITY AND INCLUSIVENESS AT THE SERVICE OF THE GLOBAL COMMUNITY

2021 November
S M T W T F S
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30

250 participants

Autodromo Internazionale Enzo e Dino Ferrari

IMOLA LIVING LAB
17 NOVEMBRE 2021
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The first Global Event

IMOLA LIVING LAB - ROAD SAFETY, SUSTAINABILITY AND INCLUSIVENESS AT THE SERVICE OF THE GLOBAL COMMUNITY

Mr. Jean Todt, United Nations Secretary - General’s Special Envoy for Road Safety
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The first Global Event

IMOLA LIVING LAB - ROAD SAFETY, SUSTAINABILITY AND INCLUSIVENESS AT THE SERVICE OF THE GLOBAL COMMUNITY

Global vision della sicurezza, sostenibilità ed inclusività: sinergie per l’Imola Living Lab
Jeff Michael US - NHTSA Associate administrator (Ret), Johns Hopkins University- Baltimore US
Rohit Baluja - Presidente IRTE, Institute of Road Traffic Education, Delhi India
Michalis Adamanttiadis - Team Leader & Road Freight Transport Key Expert, EuroMed Transport Support Project
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Global Forum for Road Traffic Safety – 84th session

7th March 2022

United Nations Economic and Social Council

ECE/TRANS/WP.1/178

Distr. General
22 December 2021
Original: English

Economic Commission for Europe
Inland Transport Committee
Global Forum for Road Traffic Safety
Eighth session
Geneva, 7-11 March 2022
Item 1 of the provisional agenda
Adoption of the agenda

Annotated provisional agenda for the eighty-fourth session

to be held virtually or in-person at the Palais des Nations, Geneva, starting on Monday on 7 March 2022, Time 1.

1. Provisional Agenda

ECE/TRANS/WP.1/109/Add.1/Rev.4, Informal document No. 4 (September 2021)

7. Sustainable Development Goals: Potential contribution by WP.1

At the last session, Sweden submitted Informal document No. 8 (September 2021) proposing a potential contribution by WP.1 in relation to United Nations SDG targets 3.6 and 11.2 as well as a definition of serious injury. WP.1 appreciated Sweden’s approach and decided to consider (at the present session) the following three key areas proposed in Informal document No. 8 (September 2021) i. a. definition of a serious injury: b. developing a long term program of work (2022-2030) which includes activities and expected accomplishments to prevent serious injuries globally; and c. undertaking biennial evaluations. WP.1 will be invited to consider the above three areas.

At the last session the representatives of Imola Living Lab outlined its innovative, cross-cutting action plan to implement the Agenda 2030 and highlighted the opportunities of supporting WP.1 in its endeavors to promote road safety principles across the world. At this session, Imola Living Lab will provide further updates concerning planned initiatives and activities related to, sustainable and inclusive mobility, and improved quality of life, as per SDG targets 3.6 and 11.2.
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The second Global Event

Automotive technology and mobility 4.0: safety, sustainability and inclusiveness from the 2030 Agenda to the PNRR

Thursday 21/04/2022 ore 14:00
Imola, Palazzo Sersanti

International speakers
Susanna Zammataro, International Road Federation

National government and public stakeholders
ANAS
MIMS
AISCAT
ASECAP
UNIBO

Automotive stakeholders
Dallara
CIT
ALPHATAURI
DUCATI

UN ROAD SAFETY FUND

IMOLA LIVING LAB
AUTOCRONO (INTERNAZIONALE) SNC & DING FERRARI
Regione Emilia-Romagna
ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
CITTÀ DI IMOLA
The Imola Living Lab ... the story

GLOBAL ROAD SAFETY FILM FESTIVAL

Palais des Nations
Geneva
21-22 February 2022

INCLUSIVITY

The Jury Prize
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The 3\textsuperscript{rd} Event

THE PLANNING OF INCLUSIVE CULTURE IN THE GOVERNANCE OF SAFE AND SUSTAINABLE MOBILITY
The Imola Living Lab ... the story

Global Forum for Road Traffic Safety

85th session

21st September 2022
The Imola Living Lab ... the story

The 4th Event

Inclusive Road Safety policies: enacting the UN Vision for a better society

2 December 2022
Imola, Autodromo Internazionale Enzo e Dino Ferrari
The Imola Living Lab ... the story

Global Forum for Road Traffic Safety

86th session

15th March 2023

United Nations

Economic and Social Council

Distr.: General
19 December 2022
Original: English

Economic Commission for Europe
Inland Transport Committee
Global Forum for Road Traffic Safety
Eighty-sixth session
Geneva, 13-17 March 2023
Item 1 of the provisional agenda
Adoption of the agenda

Annotated provisional agenda for the eighty-sixth session*

to be held in-person at the Palais des Nations, Geneva, starting on Monday at 9:30 am, 13 March 2023, in Salle XXVII.

7. Sustainable Development Goals: Potential contribution by WP.1

At the last session, Sweden and Italy presented Informal document No. 12 (September 2022) as a potential contribution by WP.1 in relation to meeting United Nations Sustainable Development Goals (SDGs) targets 3.6 and 11.2. At this session, WP.1 will be invited to consider what perspective it should take towards the long-term burden of "minor" road traffic injuries (in addition to severe and life-changing injuries) as well as how to complement this approach with alternative measures and policies.

The Imola Living Lab which offers replicable examples of safe, sustainable, and inclusive policies will be invited to inform WP.1 about its recent initiatives, in particular, about the December 2022 event dedicated to "Inclusiveness, post-rehabilitation, and abilitation policies".

At the last session, WP.1 held a panel of experts on "drug and alcohol impaired driving as a road safety factor" in the context of SDG target 3.6. At this session, given the increase of fatalities around the world, WP.1 will be invited to continue this subject.
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The 5th Event

MOTOR WOMEN AUTOMOTIVE AL FEMMINILE

8 March 2023
Imola, Autodromo Internazionale Enzo e Dino Ferrari
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The 6th Event

ARTIFICIAL INTELLIGENCE AND SMART MOBILITY

12 September 2023
Imola, Autodromo Internazionale Enzo e Dino Ferrari
The Imola Living Lab ... the story

IMOLA GREEN

The 7th Event

IMOLA GREEN

22-24 September 2023

Imola, Autodromo Internazionale Enzo e Dino Ferrari

Conferences:

- The energy transition in mobility
- Active mobility for the climate change

Junior motorcycle driving training
Thank you for your attention!