



ZVOLEN CONFERENCE 2025

Key Action 1 (KA121 – accredit institution)

Project code: 2025-1-SK01- KA121-ADU-000308622



Co-funded by the
Erasmus+ Programme
of the European Union

ECOLOGY IS SUCH A VAST SUBJECT THAT WE PROPOSE TO FOCUS ON JUST TWO THEMES :

1) URBAN ECOLOGY

In two aspects :

- SUSTAINABLE ARCHITECTURE
- URBAN AGRICULTURE

2) BEST PRACTICES FOR ALL



ECOLOGY

OIKOS

LEGOS

The House

The Science, the Study, the Discourse

**ECOLOGY IS A SCIENCE WHOSE OBJECT IS THE STUDY OF
LIVING BEINGS WITH THEIR ENVIRONMENT AND EACH
OTHER WITHIN THIS ENVIRONMENT**



ECOLOGY

BY EXTENSION ECOLOGY ALSO DESIGNATES A SCHOOL OF THOUGHT WHOSE OBJECTIVE IS TO INTEGRATE ENVIRONMENTAL ISSUES INTO SOCIAL, ECONOMIC AND POLITICAL ORGANISATION TO ESTABLISH A DEVELOPMENT MODEL BASED ON A RADICAL TRANSFORMATION OF THE RELATIONSHIP BETWEEN HUMAN ACTIVITY AND THE ENVIRONMENT



URBAN ECOLOGY SUSTAINABLE ARCHITECTURE

**SUSTAINABLE ARCHITECTURE PLAYS A CRUCIAL ROLE IN CREATING ECO-FRIENDLY
CITIES, REDUCING CARBON FOOTPRINT, IMPROVING AIR QUALITY BY MINIMIZING
WATER AND ENERGY CONSUMPTION,**

AND CREATING HEALTHIER LIVING SPACES FOR THEIR RESIDENTS.

THE CITY CONSTITUTES AN ECOLOGICAL OBJECT PAR EXCELLENCE



URBAN ECOLOGY SUSTAINABLE ARCHITECTURE

SPECIAL ATTENTION IS PAID TO THE PRESENCE OF WATER, AVOIDING BUILDING WHERE IT NATURALLY SETTLES, TO AVOID FLOODING

THE CREATION OF COOL ISLANDS, THE PLANTING OF GREENRY SIDEWALKS AND A PARTICULAR ATTENTION PAID TO THE IMPORTANCE OF AIR CURRENTS IN CITIES CONTRIBUTE TO CREATING NATURAL COOLING

SPECIAL MATERIALS, INSULATION, ... ALLOW THE CONSTRUCTION OF BUILDINGS WITH ZERO ENERGY CONSUMPTION

FURTHERMORE, THE DEVELOPMENT OF SOFT MOBILITY SHOULD HELP TO DE-STRESS TRAVEL IN THE CITY



URBAN AGRICULTURE

FOOD PRODUCTION ACTIVITY THAT TAKE PLACE WITHIN A CITY, FORMS AN INTEGRAL PART OF THE SURROUNDING ECOLOGICAL SYSTEM AND URBAN ECONOMY

IT HAS ALWAYS EXISTED AND IT CAN PLAY A MAJOR ROLE IN FEEDING POPULATIONS



WHY URBAN AGRICULTURE ?

A NECESSITY

**CONTRIBUTE TO SOLVING THE CHALLENGE OF FEEDING THE CONSTANTLY GROWING
WORLD POPULATION, 80 % OF WHICH WILL LIVE IN CITIES BY 2050**

AN ALTERNATIVE

**IT IS NOT A REPLACEMENT FOR TRADITIONAL AGRICULTURE BUT A
COMPLEMENTARY MODE OF PRODUCTION**



URBAN AGRICULTURE

DIRECT BENEFITS

LOW HORIZONTAL SPACE REQUIRED USE OF AVAILABLE SPACES : ROOFS, GARAGES, WALLS (VERTICAL CULTIVATION)

ECOLOGICAL BENEFITS : LOCAL PRODUCTION = LESS LONG DISTANCE TRANSPORT AND ENERGY CONSUMPTION

INCINTIVE FOR CREATIVITY AND THE USE OF INNOVATIVE TECHNICS : CONTROLLED WATERING, RAINWATER HARVESTING



URBAN AGRICULTURE

INDIRECT BENEFICIAL EFFECTS

- FOR POPULATIONS :
SOCIALISATION (SHARED GARDENS)
- FOR THE PLANET
ISLANDS OF VEGETATION AGAINST GLOBAL WARMING
- A TRUE URBAN ECONOMY



Thank you for your attention

Denis Massard

E seniors Association

denis.massard@gmail.com

