

THE ORGANIC WASTE ROOFTOP GARDENS FOR KYIV

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The Organic Waste Rooftop Gardens for Kyiv Project aims to create urban gardens by recycling organic waste into compost, which will help solve environmental problems and green the city.

THE MAIN OBJECTIVES OF THE PROJECT:

1. INSTALLATION OF COMPOST STATIONS:

- ❑ Creating a network of stations for collecting and recycling organic waste. Containers for organic waste will be placed in residential and commercial areas, making it easier for residents to access.
- ❑ Aerobic fermentation technologies efficiently convert waste into compost, which will become fertilizer for urban gardens.
- ❑ An information campaign to educate the population on the rules of organic waste sorting.

2. DEVELOPMENT OF URBAN GARDENS:

- ❑ Gardens on the roofs of buildings: Using the rooftops of high-rise and commercial buildings to create green spaces that will allow growing fresh vegetables and fruits within the city. Roof gardens will help reduce the heat load on buildings and increase energy efficiency.
- ❑ Greening of wastelands and parks: Abandoned urban areas can create new community gardens, turning wastelands into functional and attractive spaces for residents.
- ❑ Gardens for growing food: These gardens would include ornamental plantings and the cultivation of healthy fruits and vegetables that residents can consume or supply to local markets. This initiative supports the concept of a "garden city" where food is grown directly in urban areas, reducing dependence on transportation.
- ❑ Places for recreation and social initiatives: Urban gardens will become places for recreation, community events, and educational programs, helping strengthen social ties among residents.



3. EDUCATIONAL PROGRAMS:

- ❑ Integrating waste management and sustainable development into the curricula of schools and universities.
- ❑ Organizing workshops to teach residents how to compost and maintain gardens will raise environmental awareness.
- ❑ Collaboration with educational institutions to conduct practical gardening and waste management classes will help engage young people in environmental initiatives.



PROJECT BENEFITS:

1. ENVIRONMENTAL:

- ❑ Reducing organic waste going to landfills by 30% in the first two years.
- ❑ Creating 10% more green areas through urban gardens will improve air quality, reduce heat load, and increase biodiversity.
- ❑ Reducing the city's carbon footprint by reducing waste transportation and using organic compost.

1.SOCIAL:

- ❑ The city gardens will become places for joint projects, social initiatives, and community events, increasing residents' social activity and strengthening community interaction.
- ❑ The project envisages engaging up to 10,000 Kyiv residents in various activities annually, which will contribute to social cohesion and the development of environmental awareness.
- ❑ Educational programs and workshops will reach up to 5,000 pupils, students, and adults annually, helping to build environmental responsibility.

An aerial photograph of a rooftop garden. The garden is composed of numerous rectangular wooden planters arranged in a grid-like pattern. Each planter contains various green plants, including leafy greens and herbs. In the center of the garden, there are several wooden tables and benches, suggesting a communal space for residents. The ground is paved with light-colored tiles.

FUNDING:

- 1.Grants from international environmental organizations: International environmental funds such as the UN, EU, or GEF may provide grants for project development.
 - 2.Local businesses: Involvement of businesses interested in sustainable development and corporate social responsibility through sponsorship or preferential supply of materials.
 - 3.Government programs: Support from the Ukrainian government through environmental programs can cover part of the project costs.
 - 4.Crowdfunding: Raising funds from citizens through crowdfunding platforms will help finance the project and increase public engagement.
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The project can potentially improve the environmental situation in Kyiv, strengthen social ties among residents, and create new economic opportunities for local business development.



You can start with our lyceum

It's a pity that everyday life was lost in the same place, and 10 years ago. And our heartless middle "screams" for more help! Greenery is the last plot for students, enhancing the aesthetic appearance and atmospheric air.



AKIMOV MAXIM

Our way to Green Kyiv

We are students of the Ukrainian Physics and Mathematics Lyceum (Nazariy Rebikov and Maksym Akimov) and learned about the CCC Platform. After reading the website's content, we became interested and decided to submit our idea.

Our journey began with small thoughts on how to make life easier in Kyiv. Still, we noticed that abroad, the movement for growing various greens on rooftops is developing rapidly, while in our city, this idea is just starting to emerge in some residential complexes at a high cost of living.

Realizing our shared interest in the ecological direction, we delved into how to simplify and enhance the process of integrating this culture into our city's challenging system. We took inspiration from Hong Kong, a city where this idea has flourished, and we believe that our project could significantly impact Kyiv's ecology.

During our information gathering, we consulted with Armine Lavrentiivna, who teaches geography to our class and whose opinion we highly respect and value.

We have collected all the information and put it into a beautiful presentation, and we would be glad if it caught our attention and sparked interest.

