
ПРОГРАМА ООН ІЗ ВІДНОВЛЕННЯ ТА РОЗБУДОВИ МИРУ

Joint project of UN agencies

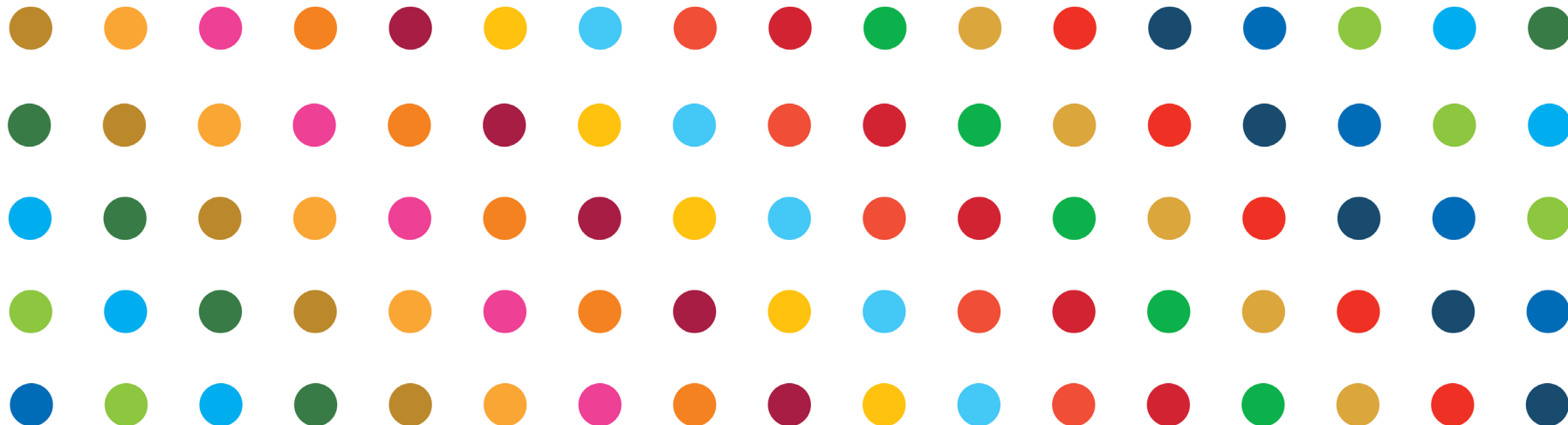


ОРГАНІЗАЦІЯ
ОБ'ЄДНАНИХ НАЦІЙ
УКРАЇНА



Analysis of feedstock availability and biofuels production potential to identify sustainable production opportunities and address fuel crisis in Ukraine and Europe

07 October 2022



Joint SDG Fund Project

Development Emergency Modality – Response to the Global Crisis on Food, Energy and Finance

FAO, UNEP, UNECE

Participants: FAO, UNEP, UNECE - three UN member organizations participate in the project to conduct a comprehensive analysis addressing the request from the **Ministry of Agrarian Policy and Food (MAPF)** - support to address fuel shortages in the agriculture sector

Project drivers: The energy crisis in the EU and Ukraine and the global food crisis, as a result of the war in Ukraine, demand a decisive action that, without prejudice to the food sector, could resolve energy sector issues considering the untapped Ukraine's potential

Partners: To obtain the most up-to-date information on the untapped Ukraine's potential, local partners such as **GLOBAL 100% RE, UABIO and STC Biomass** are involved in the project development



UNITED NATIONS
ECONOMIC COMMISSION
FOR EUROPE

SDG Joint project: response to the current energy and food crisis in Ukraine

Expected results:

Assessment of biofuels potential without compromising food safety and environmental impact. Development of scenarios for increasing the share of biofuels in the energy balance of Ukraine, considering the existing issues and drivers in the sector. Preparation of recommendations for MAPF, as well as steps to be taken by the Ukrainian government to develop the sector



Project phases:

The first phase of the project to be completed at the end of 2022, provides assessment of the biofuels potential and a review of the best practices with an emphasis on scaling up throughout Ukraine

The second phase includes further review of the best practices, cooperation with MAPF, support in creation of legislative environment enabling fast growth of the biofuels sector in Ukraine



Activities in the first phase:

October – assessment of biofuels potential

November – best Ukraine practice study (biogas and biomass power plants)

November - webinar with key market players and government

December – Preliminary report on the results of the first part of the project and announcement of next steps



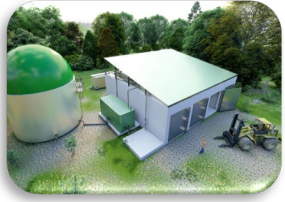
The main directions that will significantly reduce dependence on imported fuels



Agri biomass and energy crops for thermal energy production
(Gas consumption reduction)



Up to **5,0 billion** m³/year*



Waste from agriculture, animal, food industry and the potential of energy crops for biogas and biomethane production
(Natural gas replacement in the grids)



~ **4,5 billion** m³/year*



Agricultural raw materials and waste for biodiesel and bioethanol production. Transition to European standards for biodiesel fuel B10, B20 and B 100
(Substitution of imported diesel fuel in agriculture)



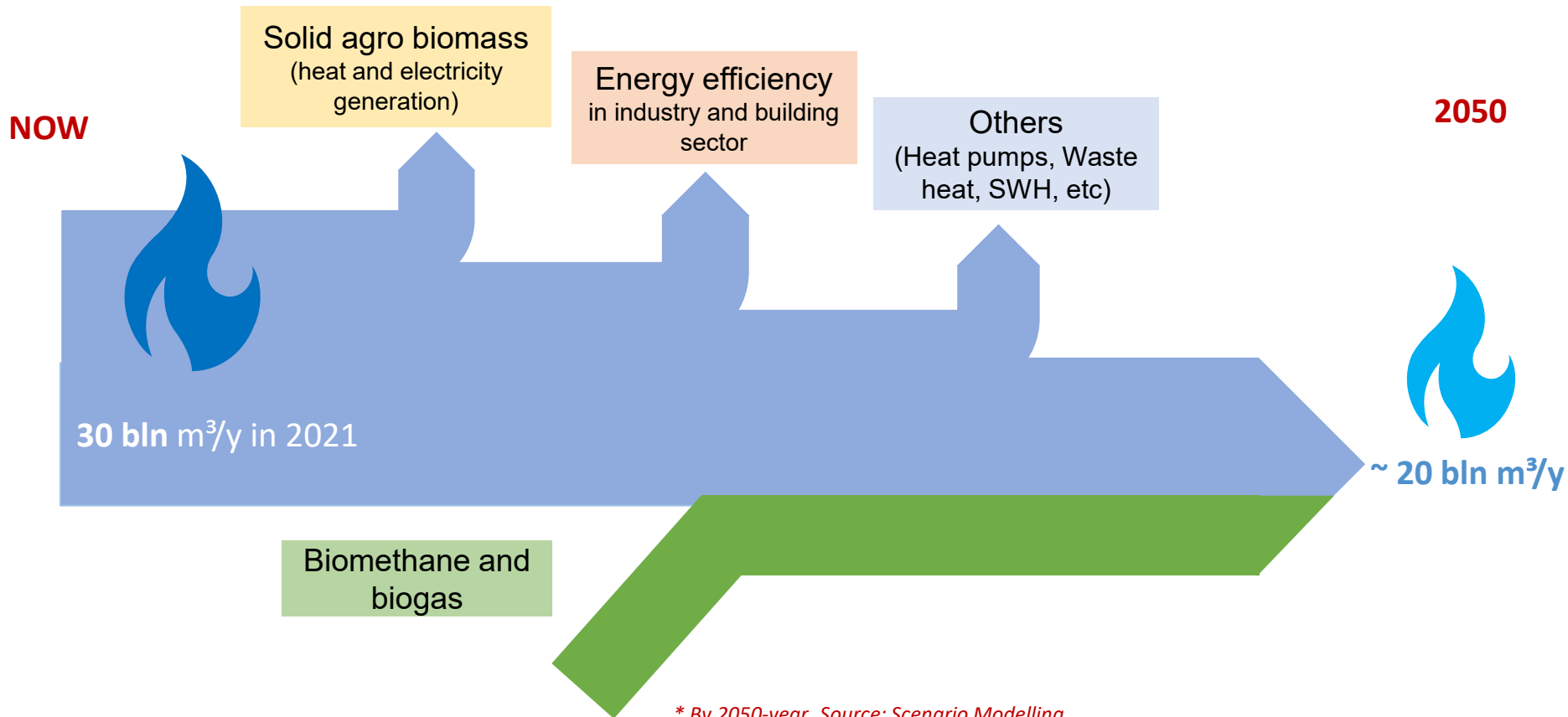
Up to **1,0 million** tn/year*



Other initiatives that will be developed during the next phases of the project implementation include **waste recycling and organic fertilizers production**



Draft of Proposed strategy of NATURAL GAS consumption reduction (scenario Draft*)



* By 2050-year. Source: Scenario Modelling

All projects meet the

SDG

<https://www.fao.org>

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