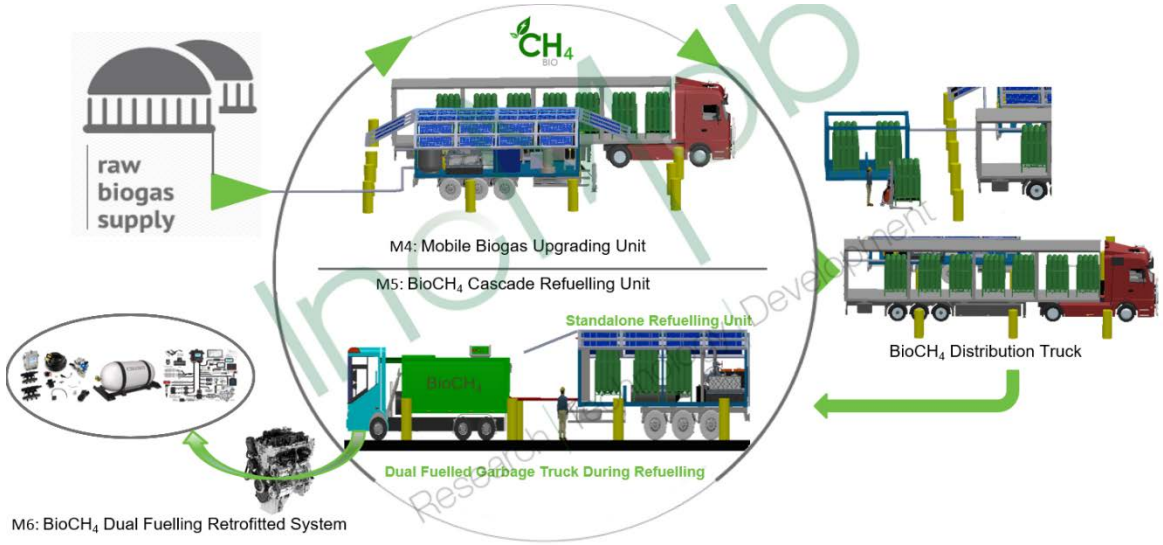
Waste-to-Wheel Introductory Meeting

Project 0618/27 co-financed by the Research & Innovation Foundation

The Introductory consultation meeting of the Waste to Wheel Project was hosted by Nicolaides Associates in Nicosia, on the 6th of February 2020. The meeting aimed at providing a brief overview of the project objectives, outputs and action plan to key stakeholders, including representatives of public authorities, private sector and academics. During the meeting, the project coordinator Dr. Sotiris Petrakides presented the current situation in Cyprus regarding the use of renewable transport fuels with emphasis on biogas production and upgrading, and the overall concept behind the project as illustrated in the below schematic concerning the utilization of Biomethane as a cost-effective advanced biofuel.



Additionally, Dr. Petrakides explained the novel tailored-made technologies currently under development by the start-up company InoMob, in corporation with Cyprus University of Technology and Nicolaides & Associates. The various technologies are currently integrated onto a standalone biogas Upgrading, Storage, and Refueling Unit (USRU), mounted onto a truck/trailer, with the ability to be transferred from one plant to the next for upgrading biogas on site. Moreover, Dr. Petrakides emphasized on the benefits of the mobile biogas USRU, such as the reduction of investment costs for small scale biogas producers and the distribution/refueling of Biomethane to the local transportation market facilitated by a virtual-gas grid. He also highlighted the innovative character of the project, since up to now there is no such concept for a mobile biogas USRU that has been commercialized within the EU. Thanks to the cooperative spirit and the large expression of interest, participants were engaged in a fruitful conversation that launched new opportunities for future collaboration and guaranteed support while the project progresses.

What's coming next for Waste-to-Wheel is the Development and Optimization of the Biogas USRU and the Integration of USRU as a standalone mobile plant onto a truck/trailer. This will be followed by the conversion of the diesel truck to run on Biomethane and the experimental investigation of the resulted engine performances.

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