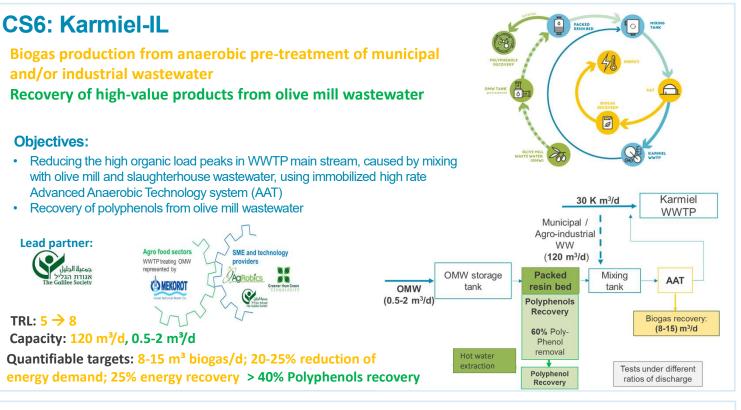
ULTIMATE

WATER SMART INDUSTRIAL SYMBIOSIS

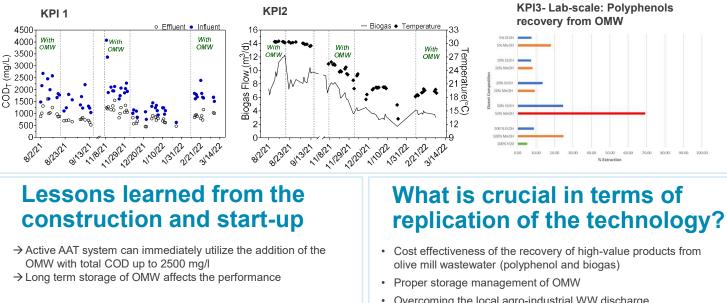
TRANSITION FROM LINEAR TO CIRCULAR ECONOMY

in the nexus of the water sector & intensive water consuming industries.



First results –

Summer period: COD removal of 46% was obtained for COD_{in} of 2280 mg/l (WW+OMW), where the removal was 49% of 1430 mg/l (without OMW). Winter period: COD removal of 47% was obtained for COD_{in} of 1770 mg/l (WW+OMW), where the removal was 36% of 1088 mg/l (without OMW). The addition of OMW shows an increase of the biogas production while the process was highly dependent on temperature Water-methanol mixture (50:50 b.v.) yielded 69% polyphenols recovery



Overcoming the local agro-industrial WW discharge regulations

- zenodo.org/communities/ultimate_water Ì
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