



# AIT – INSEE Ecocycle



<b>1. Project name</b>	Plastic Categorization and Analysis of Residual Wastes from Dumpsite
<b>2. AIT Lead Faculty</b>	Prof. C. Visvanathan
<b>3. Objective</b>	This study aims to classify and quantify the types of plastics among the remaining solid waste fractions present at different sampling locations in a dumpsite in Thailand and quantify leaching microplastics from the dumpsite to the nearby waterbody.
<b>4. Short Descriptions</b>	Dumpsites are the hotspots of environmental pollution. One of the major risks of dumpsites is the leaching of microplastics from solid waste into water bodies such as rivers, ponds, and lakes.
<b>5. Output/Social Impact</b>	Research outputs involve quantification of plastics from dumpsites for RDF co-fueling applications in cement kilns, increasing domestic energy sufficiency.
<b>4. Partners</b>	-
<b>5. Donors</b>	INSEE Ecocycle, Thailand
<b>6. Project Duration</b>	16 May 2021 – 31 May 2022
<b>7. Total grant amount</b>	85,000 THB
<b>8. Please specify SDGs to which this project belongs</b>	SDG 3, 6, 7, 9, 12, 15, 17