



MAELSTROM

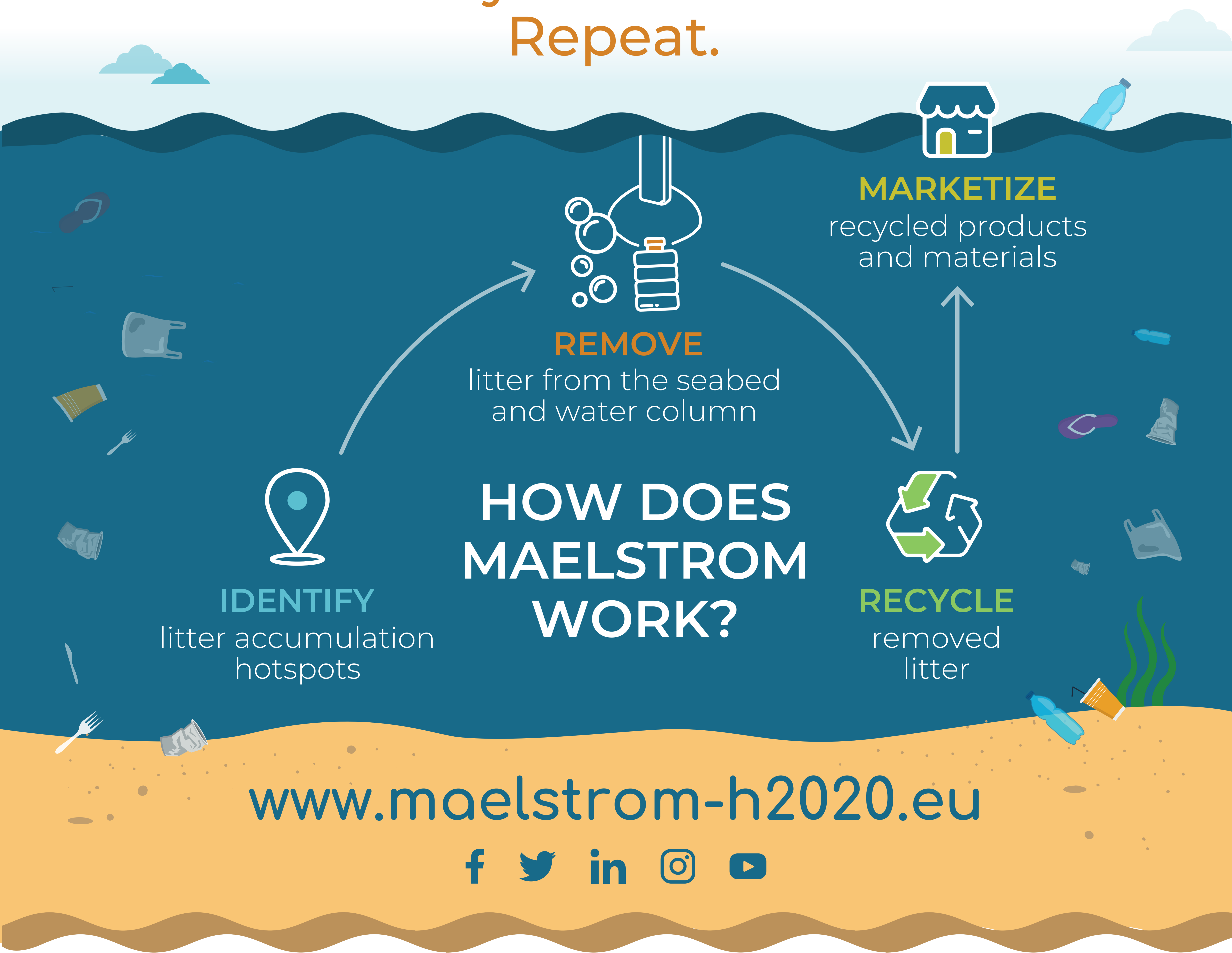
Smart technology for MARine Litter SusTainable RemOval and Management

WE HAVE A PROBLEM!

Every year, at least 8 million tons of plastic end up in our oceans, making up 80% of all marine debris. This has tremendous impacts on Earth's global ecosystem, on human health and marine life.

We, at the MAELSTROM project, want to do something about it!

Remove. Recycle. Give it a new use. Repeat.



STEP 1 : IDENTIFY in the pilot areas of Italy and Portugal, we will model **litter trajectories to identify** accumulation hotspots.

↓

STEP 2 : REMOVE two innovative **litter removal technologies** will be implemented in those hotspots: a Bubble Barrier and an Underwater Cable Robot. Both technologies will be co-powered by sustainable sources of energy.

↓

STEP 3 : RECYCLE the removed litter will then go through **advanced recycling processes**.

↓

STEP 4 : MARKETIZE recycled products such as polymers, it will **re-enter the industrial supply chain** as a new resource.