

VES4US

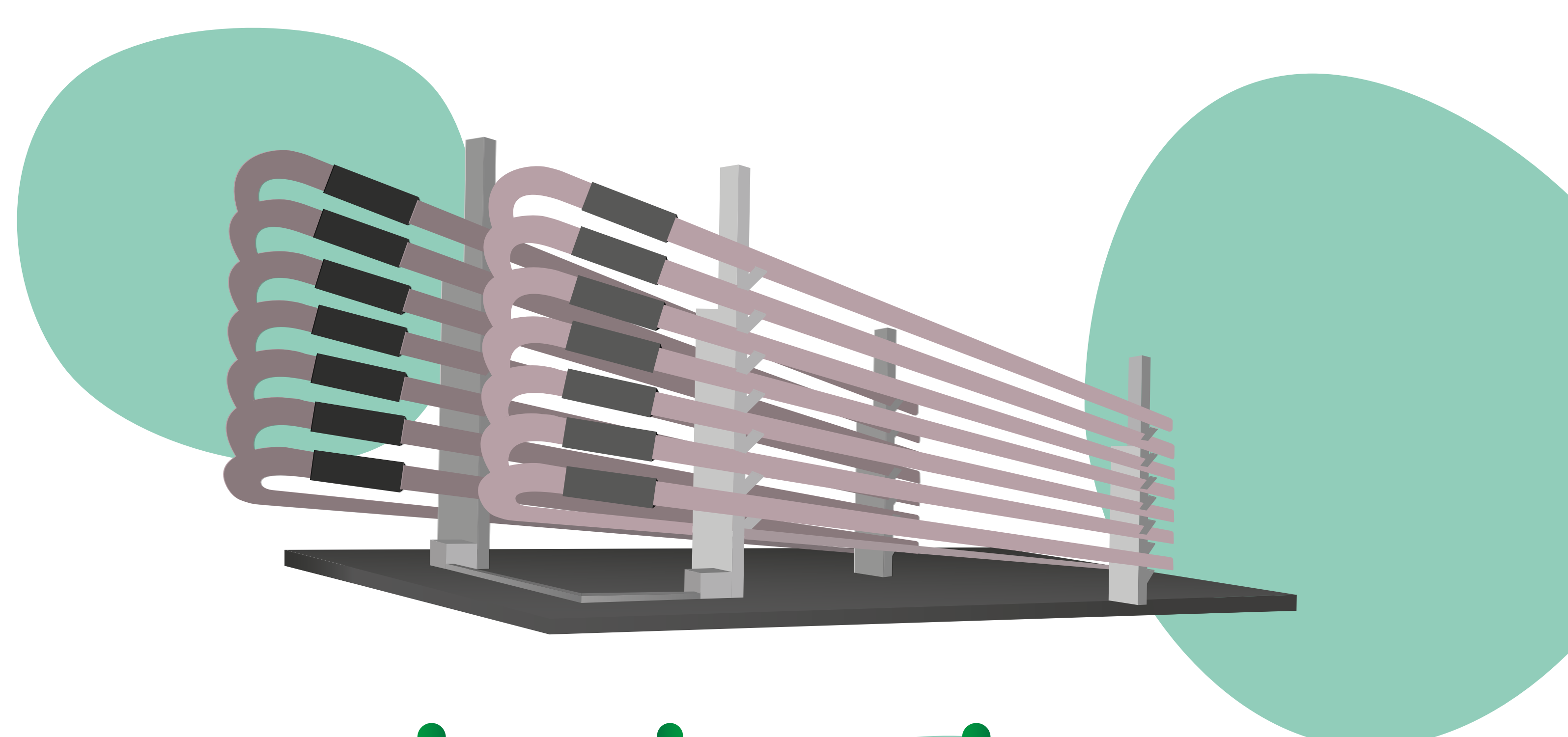
Extracellular vesicles from a natural source for tailor-made nanomaterials

www.ves4us.eu

FROM A NATURAL SOURCE...

Phase 1: **EVs PRODUCTION:**

Selection of the natural source and optimization of culture condition at pre-industrial scale.



Phase 2: **ISOLATION AND CHARACTERIZATION:**

Isolation and physiochemical characterization of the extracellular vesicles.



Phase 3: **FUNCTIONALIZATION AND LOAD:**

Functionalization and load of the EVs selected from the previous phase. These vesicles may differ according to the different sector needs.

Phase 4: **BIOLOGICAL ACTIVITY:**

Biological activity of the EVs explored both in vitro and in vivo



TO A COMMERCIAL PRODUCT



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