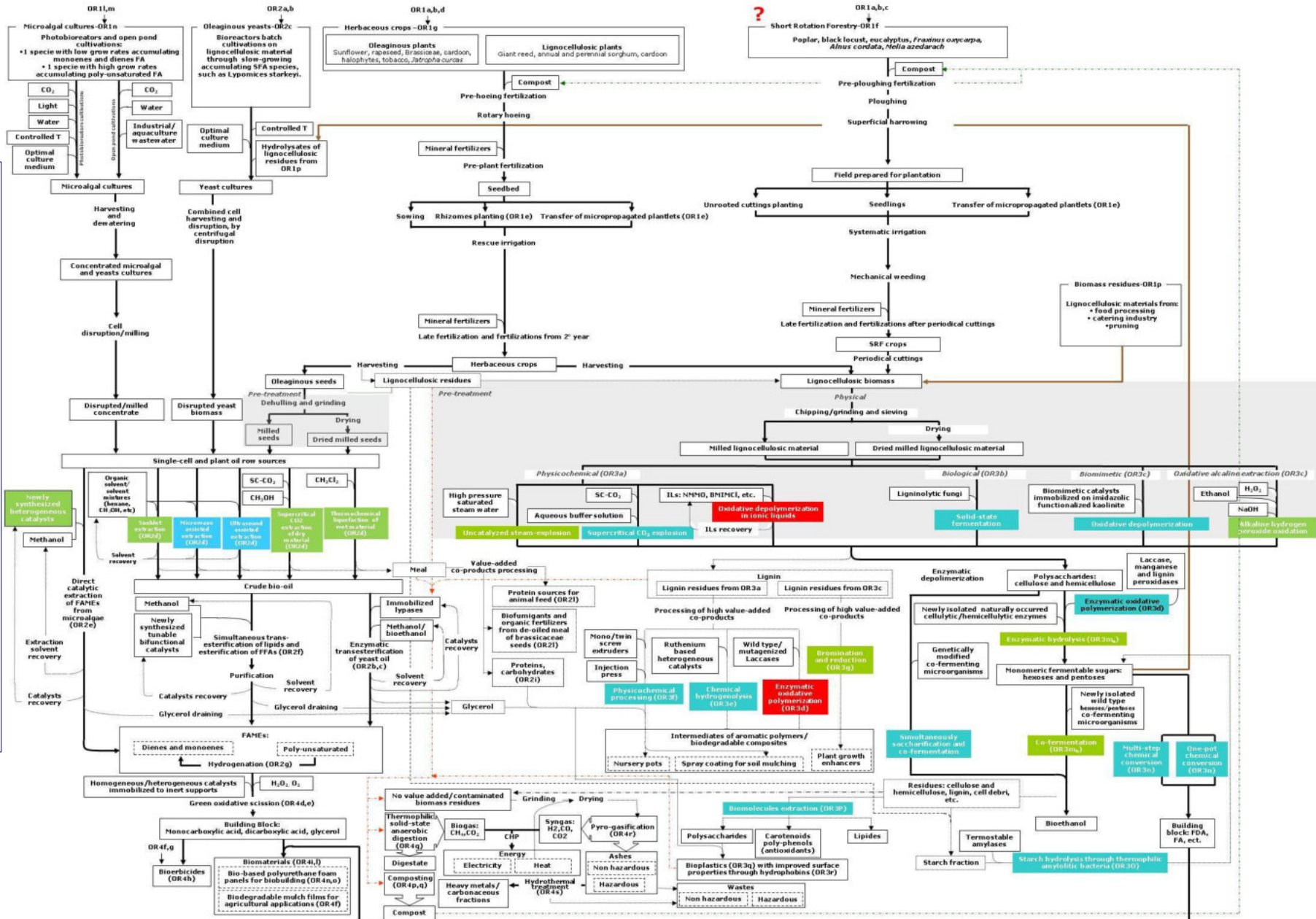




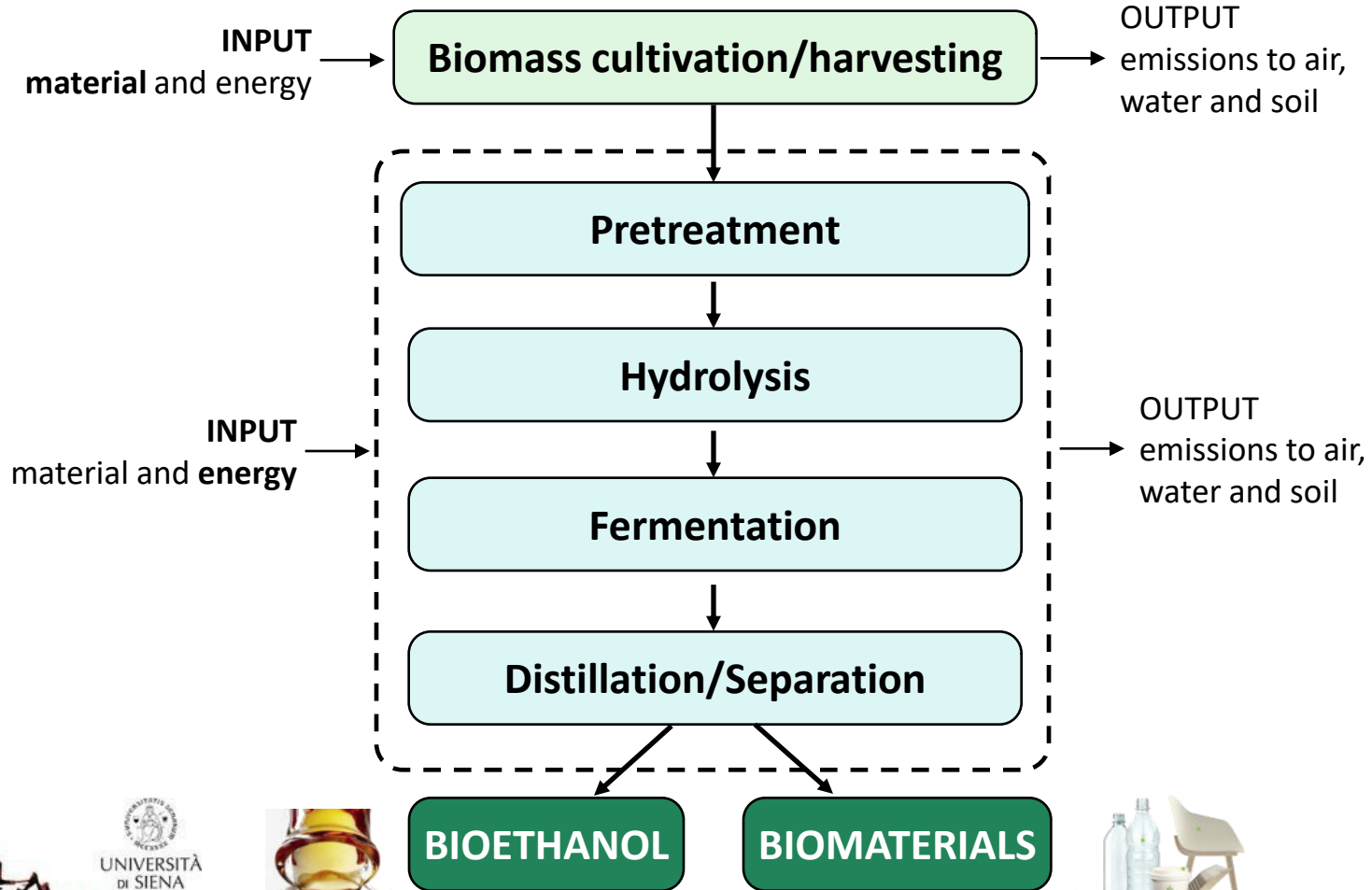
HOW BIOREFINERY WORKS





HOW BIOREFINERY WORKS

Flowchart of bioethanol production



CATEGORIES OF BIOFUELS

First-generation biofuels are produced from *dedicated cultivation* of bioenergy crops (i.e. food-crop feedstock).
e.g. corn, rapeseed



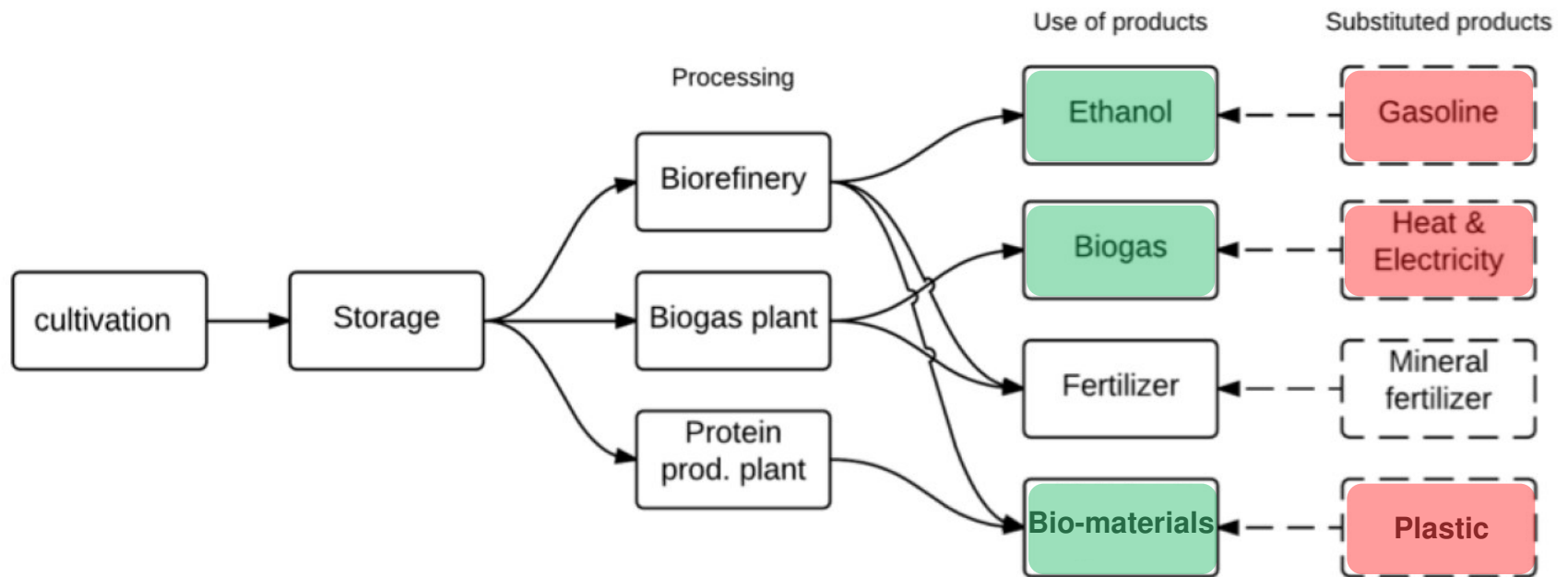
Second-generation biofuels are bio-based products that come from *non-food feedstock*, that is lignocellulosic biomass such as agricultural and forestry feedstock.
e.g. starch from cereals or arboriculture



Third-generation biofuels are produced from *aquatic cultivated or spontaneous feedstock*.
i.e. algae



AIMS OF BIOFUEL PRODUCTION





THANK YOU

Elena Neri

elena.neri@unisi.it