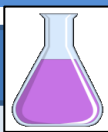




GIVE VALUE TO WASTE by Luca Fiori

Waste-to-chemicals



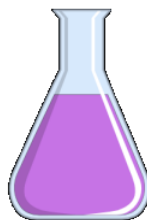
Producing useful substances from waste

Waste-to-energy



Transforming waste into a source of energy

WASTE



High-value
product

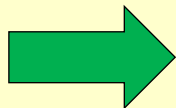


Supercritical CO₂

High pressure CO₂ behaves like a **powerful solvent**.

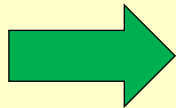
...but it is fully **green**!

Fish waste



Omega-3

Grape marc



Grape seed oil



awesome
possibilities!

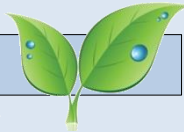


A new life for wet waste

WASTE-TO-ENERGY

HydroThermal Carbonization

Hydrochar is **inert**



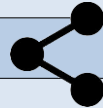
High quality **fuel**



Cheaper to **transport**



Distributed technology



Wet waste



HTC

Hydrochar



Luca Fiori

Green Process Engineering
Energy and Green Technologies
University of Trento

luca.fiori@unitn.it

<http://www.ing.unitn.it/~fioril/>

