





Biowalk4Biofuels

Biowaste and Algae Knowledge for the Production of 2nd Generation Biofuels

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Beneficiary name	Beneficiary short name	Country
Interuniversity Research Centre for Sustainable Development – "La Sapienza"	CIRPS	Italy
Consortium for Ocean Sciences	CoNISMa	Italy
Ecoil	Ecoil	Italy
National Environmental Research Institute	NERI	Denmark
Danish Technological Institute	DTI	Denmark
Central Salt & Marine Chemicals Research Institute	CSMCRI	India
Natural Gas Vehicle Association	NGVA	Spain
Scandinavian Gas Treatment Service	SGtS	Sweden
Faculty of Natural Resources and Environment (Hamman)	HU	Jordan
Riga Technical University	RTU	Latvia
Aquagri Process Pvt Ltd	AP	India
Power Ventures CMA – Dipartimento ingegneria chimica materiali ambiente	PV	Italy Silva







Introduction

Project concept and objectives

Project activities

Project plan, deliverables and milestones

Plant scheme

≻Site

Project layout

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Overview of project Concept and Objectives

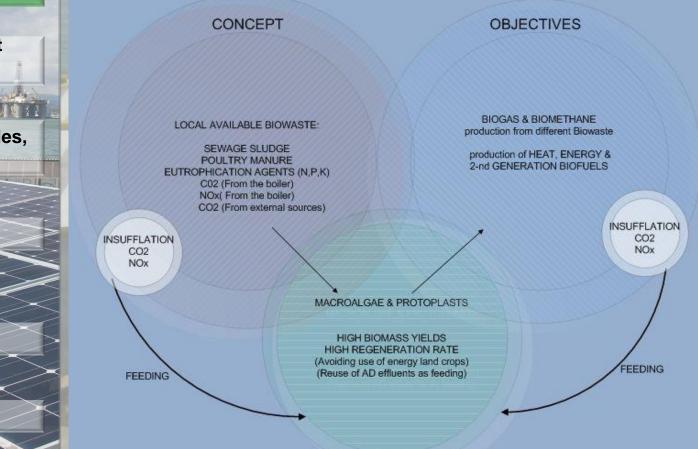
> **Overview of project** activities

Project plan, deliverables, milestones

Plant scheme

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Project objectives

- Biofuel production without food/fuel competition for land use
- Reduction of GHG emissions and creation of a CO₂ sink for carbon market
- Treatment of high nitrogen and phosphate content biowaste
- Increase of biomass production with respect to current state of the art

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Study of macroalgae and protoplasts incubation parameters

Biowaste and emissions recollection

Macroalgae cultivation in open ponds

Anaerobic digestion plant: planning, building
and management

Upgrading biogas into bio-methane

 Internal and external communications and socioeconomic analysis

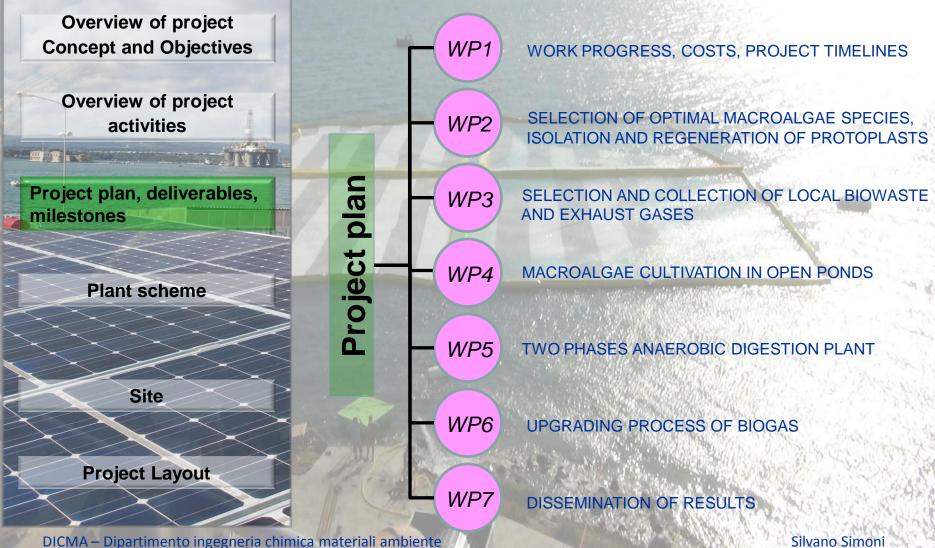
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