

INNO-FOOD
SEE

Bari 26th-27th March 2014

PRESENTATION OF “STAR*AgroEnergy” project

University of FOGGIA

Matteo FRANCAVILLA
STAR* Research Group



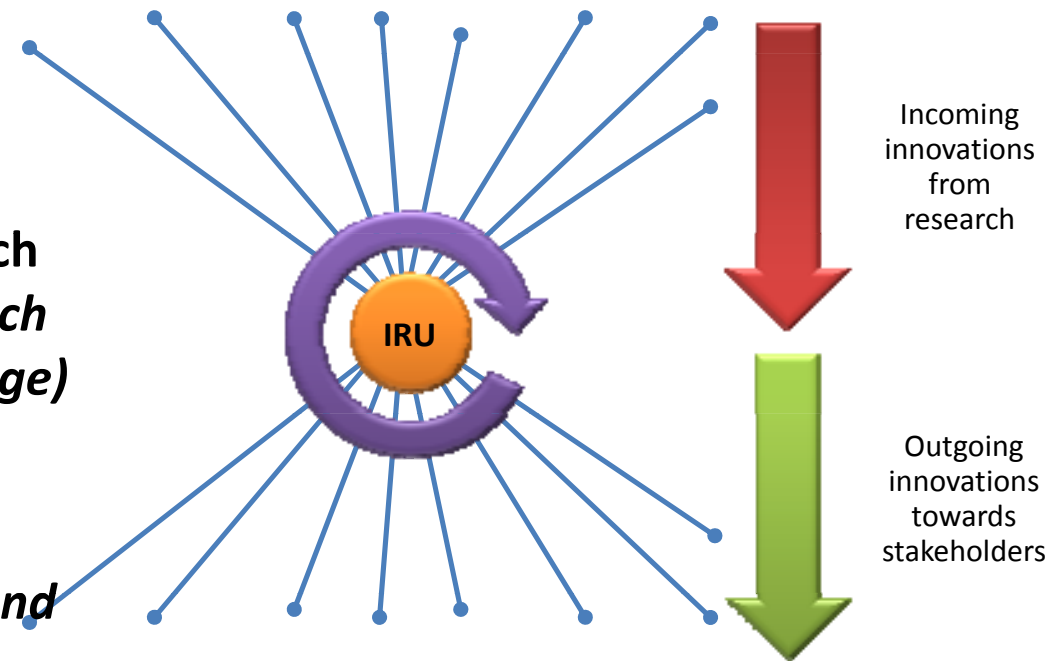
Scientific & Technological Advancement In Research on Agro-Energy

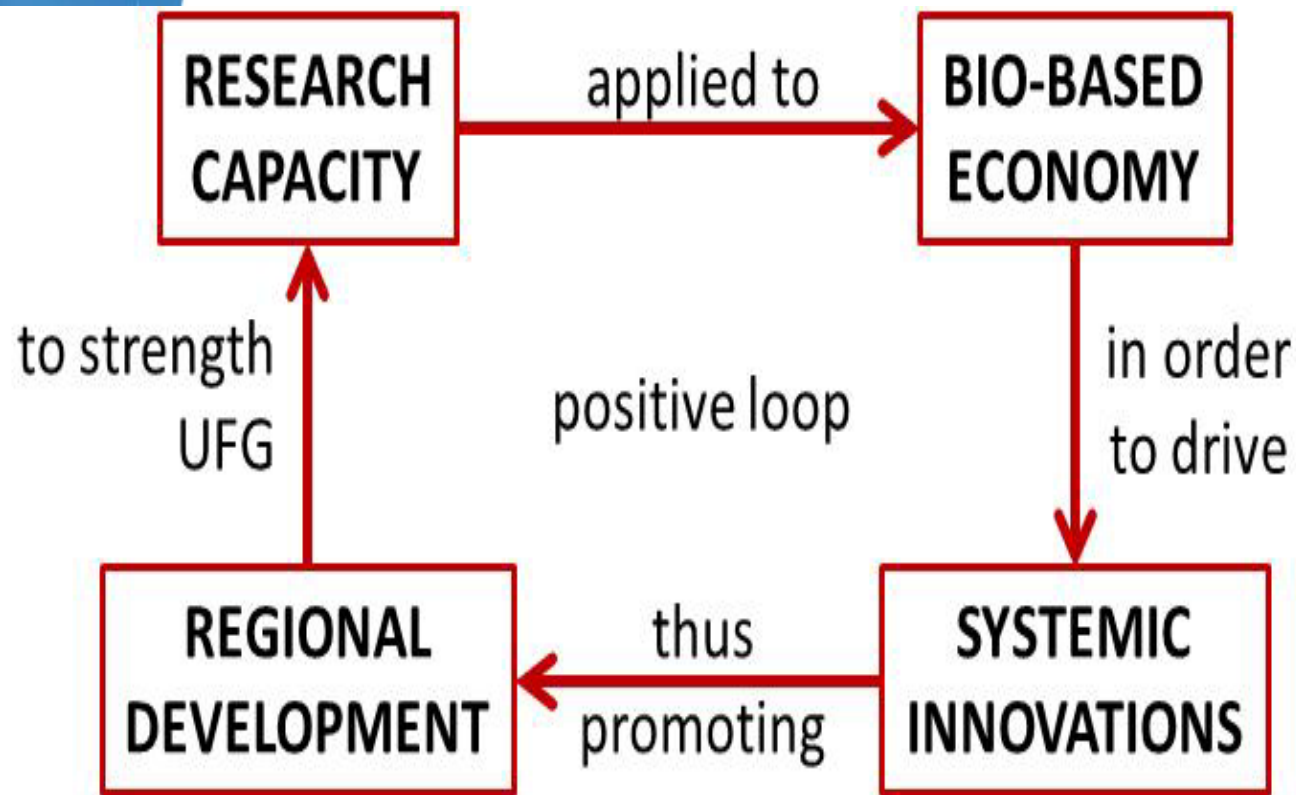
**Coordination and Support Action (Supporting)
FP7-REGPOT-2011-1**

Objectives of the STAR* AgroEnergy Project:

Boosting the research capacity of UFG and its ability to act as a hub for the promotion of the agro-energy and biorefinery sector, through:

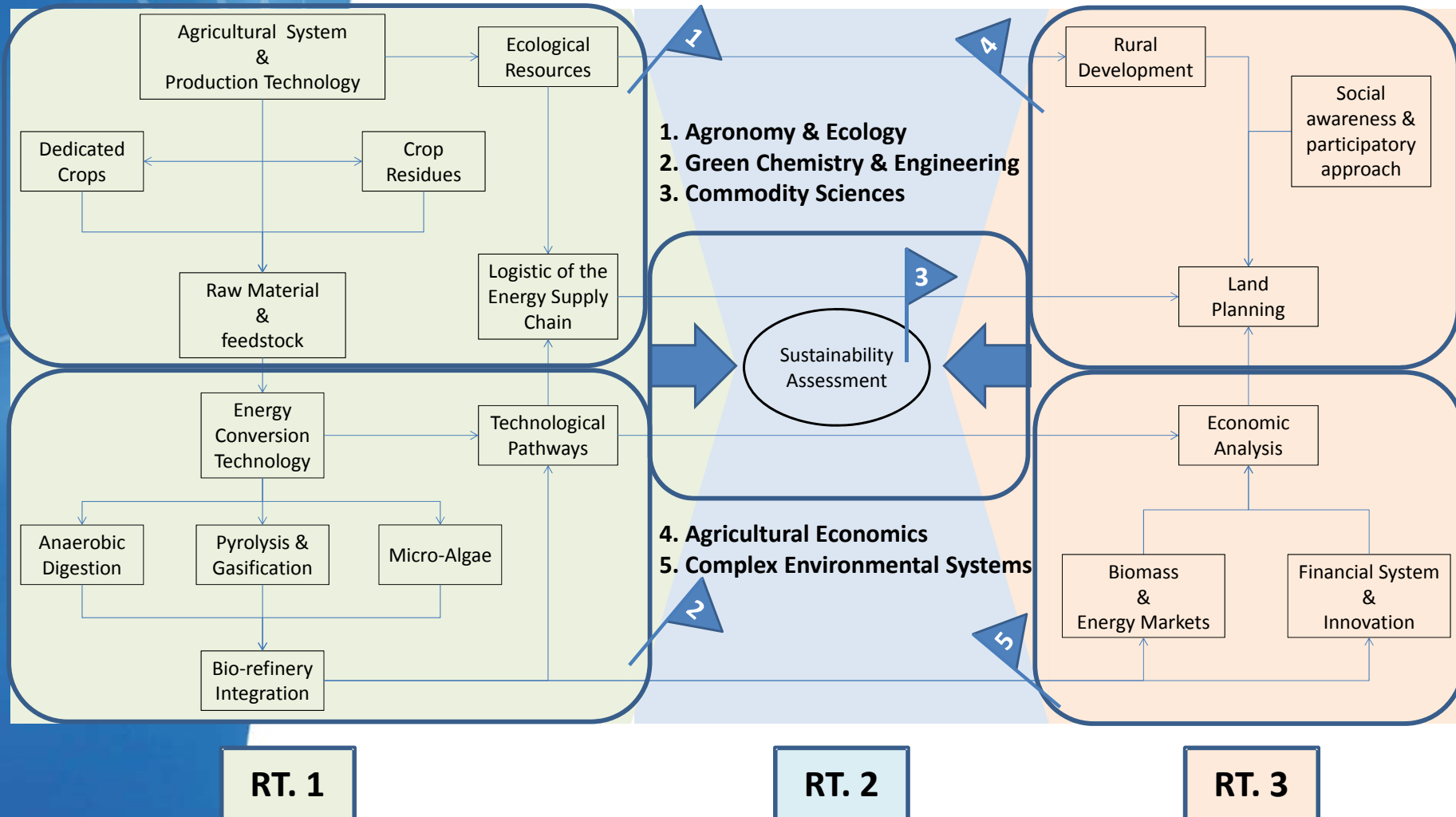
- ✓ strengthening the “research power” (*number of research people with solid knowledge*)
- ✓ fostering the “capacity building” (*skills, abilities and competences*)
- ✓ bolstering the links with stakeholders (*for a most effective performance*)





A positive loop promoting social development at regional level can be triggered by strengthening the research capacity applied to the several productive sectors that are related to the bio-based economy

Scientific areas covered by the recruited experienced researchers



STAR* Research Group





1. PILOT PLANTS:

- **Anaerobic Digester Plant**
- **Pyrolysis/Gasification Plant**
- **Photobioreactors Plant**

2. LABORATORY

Pilot Plants



Anaerobic Digestion Plant

Pyrolysis/Gasification Plant

Photobioreactors Plant

Anaerobic Digester Plant



Pyrolysis/Gasification Plant



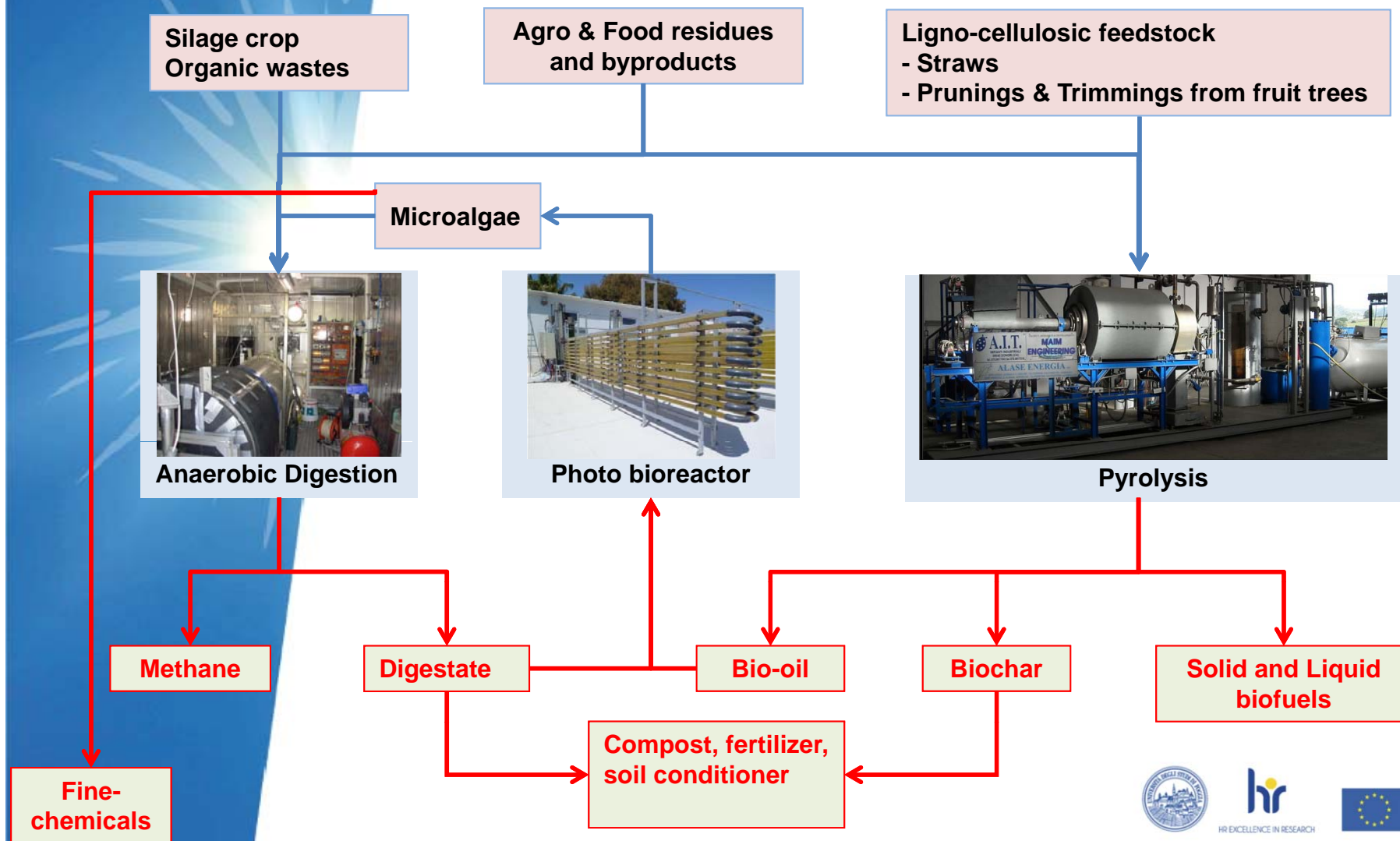
“STAR*FACILITY CENTRE”

Photobioreactors Plant



“STAR*FACILITY CENTRE”

An “integrated biorefinery platform”



LABORATORY



“STAR*FACILITY CENTRE”

Main analytical Instrument in the Lab



Calorimeter



TGA

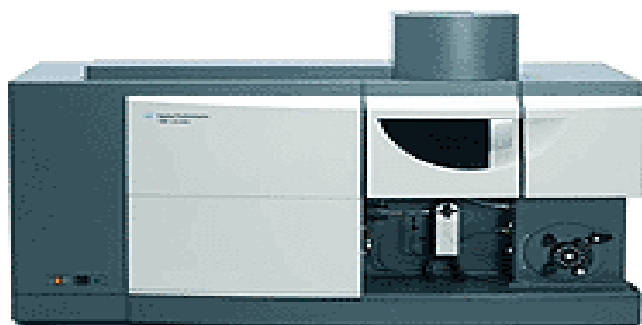


CNHS Analyzer



Ash Melting Analyzer

Main analytical Instrument of the Lab



ICP-OES



Micro-GC



GC-MSⁿ IT



NIR



HPLC DAD-RID

Main analytical Instrument of the Lab



Soxtec



Fiber Analyzer



MicroWave Extractor



UV-VIS Spectr.



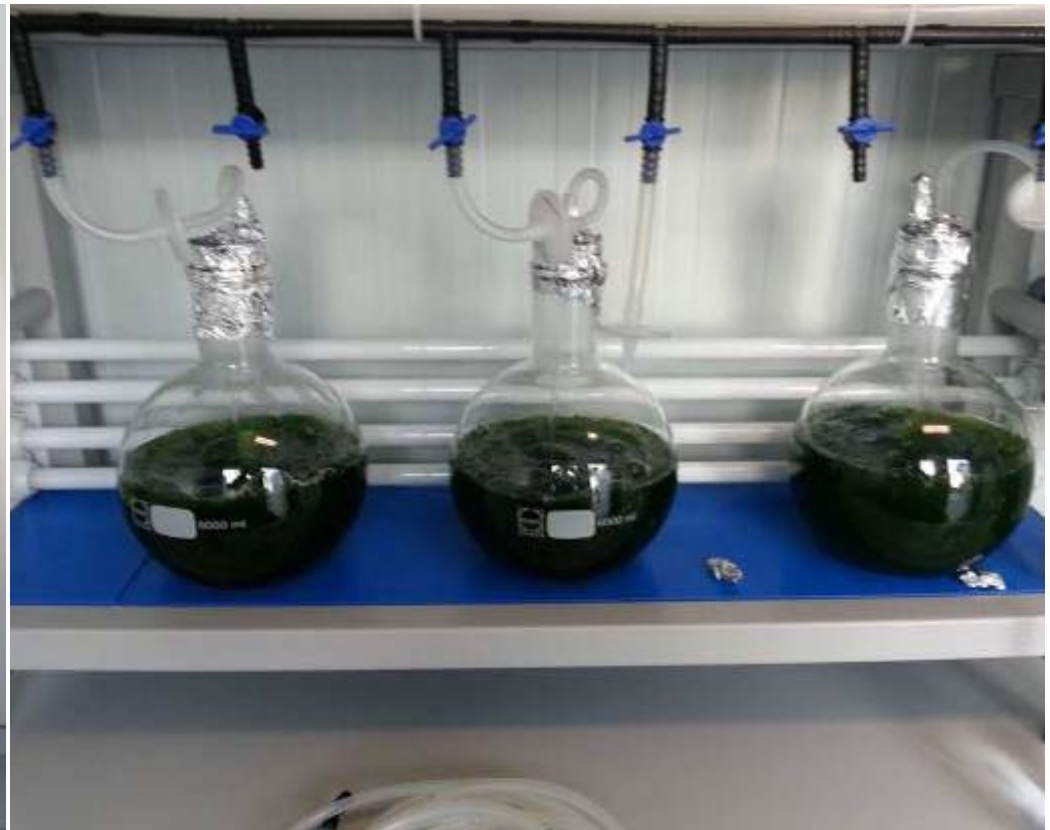
Vibrating Sieve

Other Equipment



Test Batch for Anaerobic Digestion

Other Equipment



Test Batch for Microalgae

WHERE WE ARE

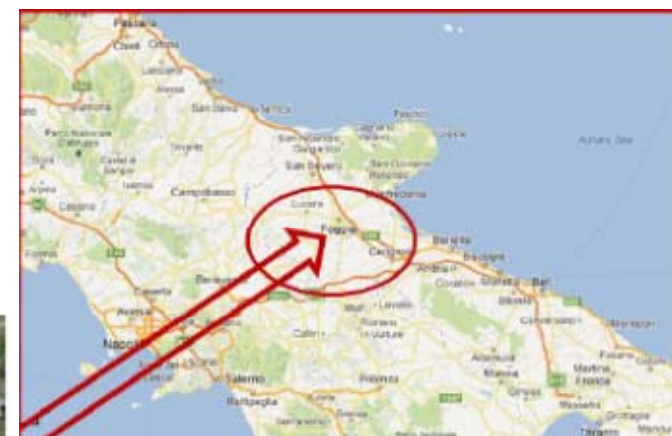


Figure A22.
Geographical location
of the STAR Facility
Centre

STAR* FACILITY CENTRE

SS 16, Km 687

Zona ASI, FOGGIA

STAR* "BIOMASS FACILITY CENTRE"

CONTACT:

RESPONSIBLE: Dr. Matteo FRANCAVILLA, PhD

Email: matteo.francavilla@unifg.it

Mobile: +393403927680

PROJECT COORDINATOR: Prof. Massimo MONTELEONE

Email: massimo.monteleone@unifg.it