

## PROJECT

**CIRCLE>IN – PROMOTING CIRCULAR ECONOMY INVESTMENTS  
AND POLICIES IN THE CROSS – BORDERS AREA OF GREECE - ITALY**

# GOOD PRACTICES SELECTION at regional level



## APULIAN GOOD PRACTICES

AVANZI POPOLO – Bari – **ESOCIAL EDUCATION**

FIUSIS srl - Calimera (Le) - **ENERGY**

MAJRA – Cassano delle Murge (Ba) – **TEXTILE**

REVI' – Bari - **FURNITURE**

BIOFABER - MESAGNE (Ba) – **SECOND RAW MATERIAL**

SMP – BARLETTA - **SECOND RAW MATERIAL**



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CAMERA DI COMMERCIO  
FOGGIA

## AVANZI POPOLO

Case 1

## BARI

Country

## SOCIAL EDUCATION

Key interests

### MAIN ACTIVITY

It is an initiative of the A.P.S. Farina 080. This non-profit association has been operating in the city of Bari since 2015 and proposes social innovation actions and initiatives against food waste for social and ecological purposes.



## AVANZI POPOLO

## BARI

## SOCIAL EDUCATION

Case 1

Country

Key interests

### INNOVATION AND CIRCULARITY

The project aims to spread the activation of citizenship against food waste. With the project platform [www.avanzipopolo.it](http://www.avanzipopolo.it) you can do food sharing and exchange food at waste risk, 1-to-1 between donor and recipient.

#### THE CIRCULARITY:

- SUPPLY CHAIN, recovery of food surpluses from companies operating in the food sector (production, processing, catering).
- DISTRIBUTION, delivery of the surpluses recovered to local agencies.



**AVANZI POPOLO**

**BARI**

**SOCIAL EDUCATION**

Case 1

Country

Key interests

## RESULTS AND REPLICABILITY

- CO-OPERATION: 25 charities and 75 companies
- SOCIAL IMPACT: active citizenship against food waste
- ENVIRONMENTAL BENEFITS: recovery of 5949 kg of food in 2018
- GOVERNMENT MEASURES IN THE SECTOR: public notice for the selection and financing of projects to prevent food and pharmaceutical waste (Apulia Region)



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**FIUSIS srl**

**CALIMERA (LE)**

**ENERGY**

Case 2

Country

Key interests

## MAIN ACTIVITY

Fiusis srl produces electricity thanks to the combustion of virgin wood chips collected in the Salento countryside as a scrap from the pruning of olive trees.

Since 2010 it has created a local supply chain for biomass, fully integrating with the surrounding area. The Fiusis plant has created jobs for about 30 employees, in addition to the real benefit it generates to farmers in terms of reducing residual biomass management costs.



**FIUSIS srl**

**CALIMERA (LE)**

**ENERGY**

Case 2

Country

Key interests

## INNOVATION AND CIRCULARITY

Thanks to the pruning combustion, the plant produces energy that is delivered directly to the GSE. Furthermore, part of the virgin wood collected is destined to be used for the production of pellets in a new factory (70 bags / h). To close the entire production cycle, Fiusis is going to build an additional plant to recover the ashes produced by its plant and produce fertilizers.

### THE CIRCULARITY:

- **SUPPLY CHAIN:** free collection service of pruning residues at over 2,000 small farms that require the withdrawal service by filling in a form;
- **PRODUCTION:** about 8,000,000 kwh on average per year and the energy is delivered directly to the GSE.



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**FIUSIS srl**

**CALIMERA (LE)**

**ENERGY**

Case 2

Country

Key interests

## RESULTS AND REPLICABILITY

- SOCIAL BENEFITS: Fiusis has created jobs for about 30 employees
- ENVIRONMENTAL BENEFITS: reduction of fugitive and uncontrolled emissions, thanks to pruning burns in the fields.
- FUNDING: the first investment of around 8 thousand euros in 2009 was made with a project financing with the Unicredit Banking Group.
- SPREAD "AGRO in LOG" is a project in collaboration with 8 European countries that has studied Fiusis and its agro-energy supply chain. Greece thanks to the contribution provided by the CRA ING of the Italian Ministry of Agriculture, is replicating the supply chain model created by Fiusis. Also in Croatia some researchers are studying the Fiusis supply chain.





**MAJRA**

**CASSANO DELLE MURGE (BA)**

**TEXTILE**

Case 3

Country

Key interests

## MAIN ACTIVITY

The company Majra Moda Maglierie has been producing men's and women's sweaters since 1988. It uses technology and labor of the "made in Italy". In 2018 the company launched a new ecological clothing line called "Fortunale".



MAJRA

CASSANO DELLE MURGE (BA)

TEXTILE

Case 3

Country

Key interests

## INNOVATION AND CIRCULARITY

"Fortunale" is a totally ecological line, made with organic yarns (from non-intensive farms) and colored with plant fibers (flowers, leaves, berries, roots) The project foresees that the entire production cycle respects the principles of the circular economy, each material can be recycled or reused.

### THE CIRCULARITY:

- SUPPLY CHAIN: organic yarns, dyes based on vegetable fibers
- PRODUCTION: 100% natural garments
- COLLECTION: the consumer returns the product at the end of life to take a discount on the purchase of the next product.
- REUSE AND RECYCLING: the company regenerates the product already used.



**MAJRA**

Case 3

**CASSANO DELLE MURGE (BA)**

Country

**TEXTILE**

Key interests

## RESULTS AND REPLICABILITY

- CO-OPERATION: University of Bari, Legambiente, start-up Pigmento.
- SECTOR STUDIES: CNR-Bari on the recovery of native wools.
- SOCIAL IMPACT: benefits for the territory, increase in jobs, research.
- ENVIRONMENTAL IMPACT: 80% decrease in production impact.



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**REVI'**

Case 4

**BARI**

Country

**FURNITURE**

Key interests

## MAIN ACTIVITY

Revì designing "green" furnishings starting from the transformation of a piece of furniture. It generates benefits both in ecological terms and in terms of environmental protection.

The team is made up of designers, architects, makers, digital artisans, who share a passion for "make". They believe that only by safeguarding our planet will there be true innovation, and that recycling is the way to get there.



REVI'

Case 4

BARI

Country

FURNITURE

Key interests

## INNOVATION AND CIRCULARITY

Revì - Upcycling furniture design is a project created for the recovery of out-of-date furniture and objects that apparently are at the end of their life cycle. Thanks to a restyling operation, new design lines are created for the market.

### THE CIRCULARITY:

- SUPPLY CHAIN: recovery of out-of-date furniture and objects
- DESIGN: green furniture and objects.



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REVI'

Case 4

BARI

Country

FURNITURE

Key interests

## RESULTS AND REPLICABILITY

CO-OPERATION: partnerships with Atlas of the circular economy, CNA, Legambiente Puglia, Asud, CDCA

SOCIAL BENEFITS: use of new labor and recovery of old craftsmanship

ECONOMIC BENEFITS: procurement of free raw materia

PRESENCE OF COMPETITORS: wed italy, Rabatto, ReverseLab



## BIOFABER

## MESAGNE (BA)

## SECOND RAW MATERIAL

Case 5

Country

Key interests

### MAIN ACTIVITY

BioFaber was born in 2015. It operates in the field of new nano-structured bio-materials, especially in the production of cellulose of bacterial origin, with the aim of producing sustainable and natural objects and solutions obtained from renewable resources and food waste.



**BIOFABER**

**MESAGNE (BA)**

**SECOND RAW MATERIAL**

Case 5

Country

Key interests

## INNOVATION AND CIRCULARITY

BioFaber produces pure cellulose of bacterial origin, a nanostructured and biocompatible bio-polymer that self-assembles, an eco-innovative and bio-inspired material with high technological value.

The cellulose is obtained from a three-dimensional interweaving of nanometric fibers that makes it suitable for different applications: from the most demanding of biomedical to the most performing of design.

### THE CIRCULARITY:

- SUPPLY CHAIN from agricultural waste  
PRODUCTION biocompatible cellulose





**BIOFABER**

**MESAGNE (BA)**

**SECOND RAW MATERIAL**

Case 5

Country

Key interests

## RESULTS AND REPLICABILITY

- CO-OPERATION: University of Lecce
  - FINDING USED: private financing and "disegni + 3"
- IMPACTS AND BENEFITS OBTAINED: positive impact for the territory and for the company economic benefits are expected
- OBSERVATIONS ON REPLICABILITY: presence of non-Italian competitors, funding from occasional regional tenders, (as factors that can influence the activity), the external logistics conditions.



**SMP**

**BARLETTA**

**SECOND RAW MATERIAL**

Case 6

Country

Key interests

## MAIN ACTIVITY

Sfregola Materie Plastiche is a leading company in the world of plastics processing for over 50 years.

It produces bags and bags in regenerated PE, biodegradable and compostable bags according to EN, of every size and thickness, for differentiated collection - multi material collection - "door to door" collection - (Urban Solid Waste) - organic collection - cyclic and special waste , compostable shoppers for the fruit and vegetable sector, also perfumed and in customizable packages



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**SMP**

**BARLETTA**

**SECOND RAW MATERIAL**

Case 6

Country

Key interests

## INNOVATION AND CIRCULARITY

RadioBag® is a patent that allows the bag to "communicate" in real time with a technological platform capable of identifying and tracking bags destined for both separate collection and recycling. Its technology makes it possible to monitor the quantity and quality of waste, following it along its entire path.

### THE CIRCULARITY:

- SUPPLY CHAIN, industrial waste PRODUCTION, bags made with recycled polyethylene and bags with RFID technology



**SMP**

**BARLETTA**

**SECOND RAW MATERIAL**

Case 6

Country

Key interests

## RESULTS AND REPLICABILITY

**SOCIAL BENEFITS:** Radio Bag is cheap, rewards and educates thanks to the control mechanism.

- **ENVIRONMENTAL IMPACT:** reduction in the amount of Undifferentiated Collection.
- **FINANCIAL BENEFITS:** reduction of waste disposal costs in landfills.

