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Fondo europeo agricolo per lo sviluppo rurale: l'Europa investe nelle zone rurali



REGIONE DEL VENETO



Programme of Rural Development 2014-2020.

Operational Group **SERINNOVATION**

INNOVATION, QUALITY, TRACEABILITY IN SERICULTURE,
TO DEVELOP SUPPLEMENTARY INCOME SOURCES FOR FARMS

Demonstration project born thanks to cooperation among farmers and
other Venetian partners
committed to re-starting of
a 100% Made-in-Italy sericultural chain



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SERINNOVATION

Objectives



100% MADE IN ITALY: quality products from a traced and certified supply chain.



AGRICULTURAL COMPETITIVENESS: A production process economically sustainable with a high added value.



CROP DIVERSIFICATION: Competence increase for a valuable integration of the farm income.



ENVIRONMENTAL SUSTAINABILITY: Where silkworm is reared the environment is protected and a circular economy is created.



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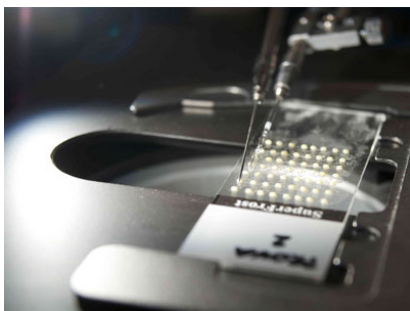
SERINNOVATION

Foreseen activities



FIELD DEMONSTRATION

with automation to reduce/replace man labour



LABORATORY DEMONSTRATION

with healthy silkworm egg production



SILKWORM REARING

with high quality cocoon production



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SERINNOVATION

Foreseen activities



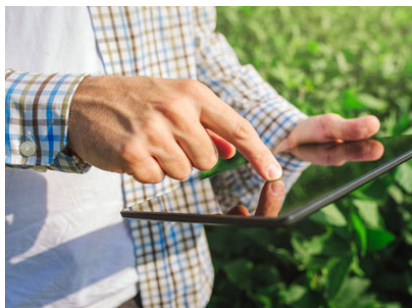
CERTIFIED CHAIN

through production standard and traceability procedures



TRAINING

through professional courses dedicated to future silkworm rearers



REPLICABILITY

thanks to the definition of a competitive and remunerative model



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SERINNOVATION

Project partners:

5 Farms + PUBLIC AND PRIVATE INSTITUTIONS

- **CREA** *Council for Agricultural Research and Economics –
Research Centre for Agriculture and Environment (Padua)
Research Centre for Agricultural Engineering and Food Processing*
- **University of Padua- TESAF**
DEPARTMENT OF LAND, ENVIRONMENT, AGRICULTURE AND FORESTRY
- **CIPAT** Vocational training and Technical Assistance Centre of the Venetian Region
- **ICEA** Institution for the Ethical and Environmental Certification- Bologna





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Why establish an Operational Group on sericulture and moriculture?



Establishing a new model

Let's define a more innovative, competitive, profitable, replicable cultivation system.



Introducing mechanisation

Let's update production processes to once again make the Italian silk chain competitive on the market.



Capitalising on all the products

Let's turn production wastes into raw materials for other sustainable and Made in Italy production chains.



Multiplying competences

Let's work with a multifunctional team, sharing different experiences and capacities that are complementary to one another.



Professional training

Let's train other silkworm rearers to successfully cultivate mulberry fields and grow silkworm larvae in the future.



Share results

Let's reinterpret traditional resources and processes, by adopting new strategies for the agricultural sector, in Italy and abroad.



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**Silkworm egg
production****Silkworm
rearing****Silkworm rearers****Mulberry fields and silkworm
rearing****COSMETICS**
Skin Care**HIGH QUALITY**
*Silk Thread for
Textiles***SPUN SILK****COCOONS****BIOMEDICALS AND
PHARMACEUTICALS****Silk gauzes, artificial corneas,
vascular prostheses...****PUPAE****COSMETICS**
*Oil***FEEDING/FOOD**



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2018: Cutting reproduction form the experimental mulberry field CREA





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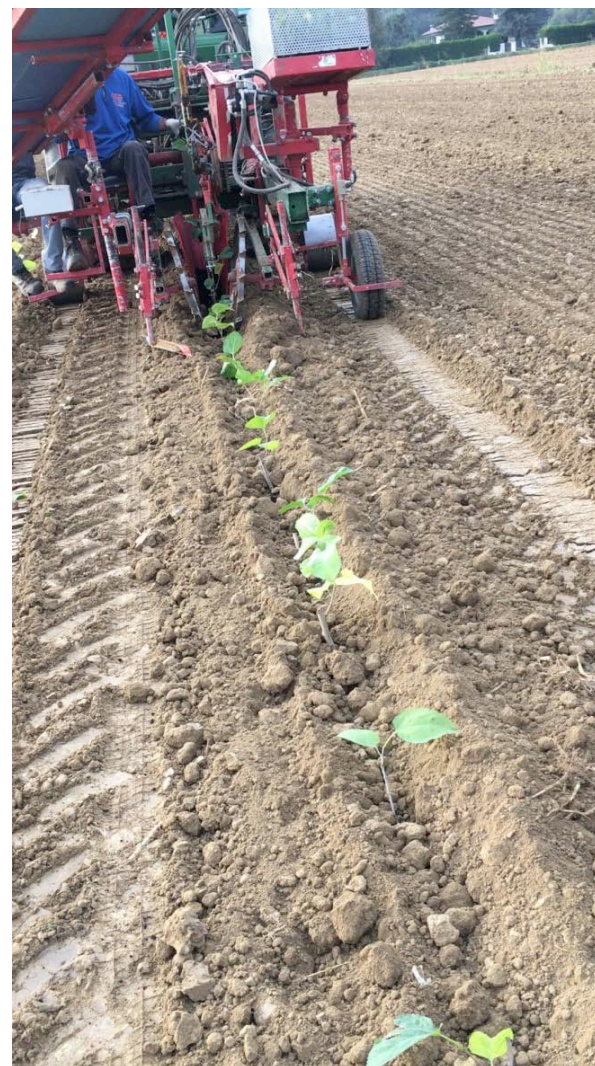
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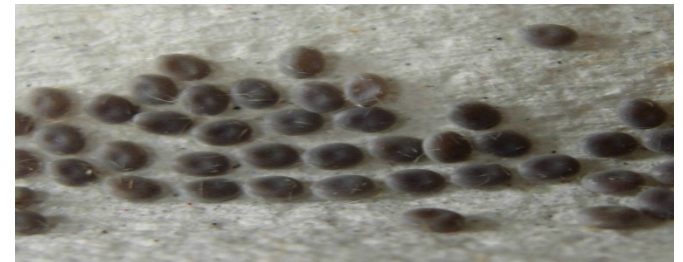
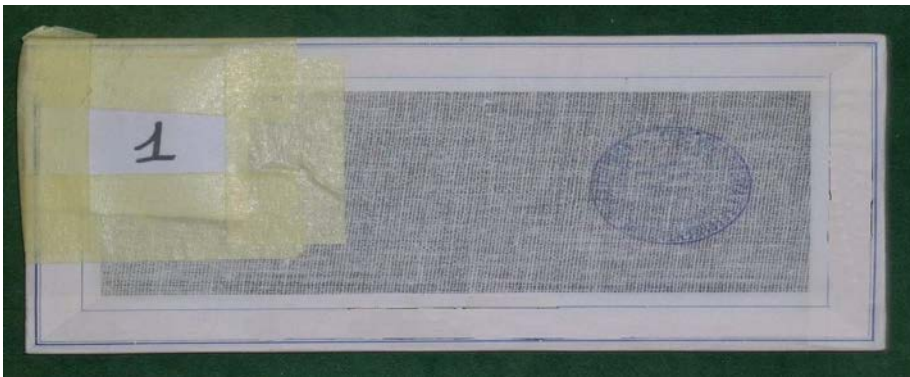
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2018: Mulberry planting



EXPERIMENTAL EGG PRODUCTION





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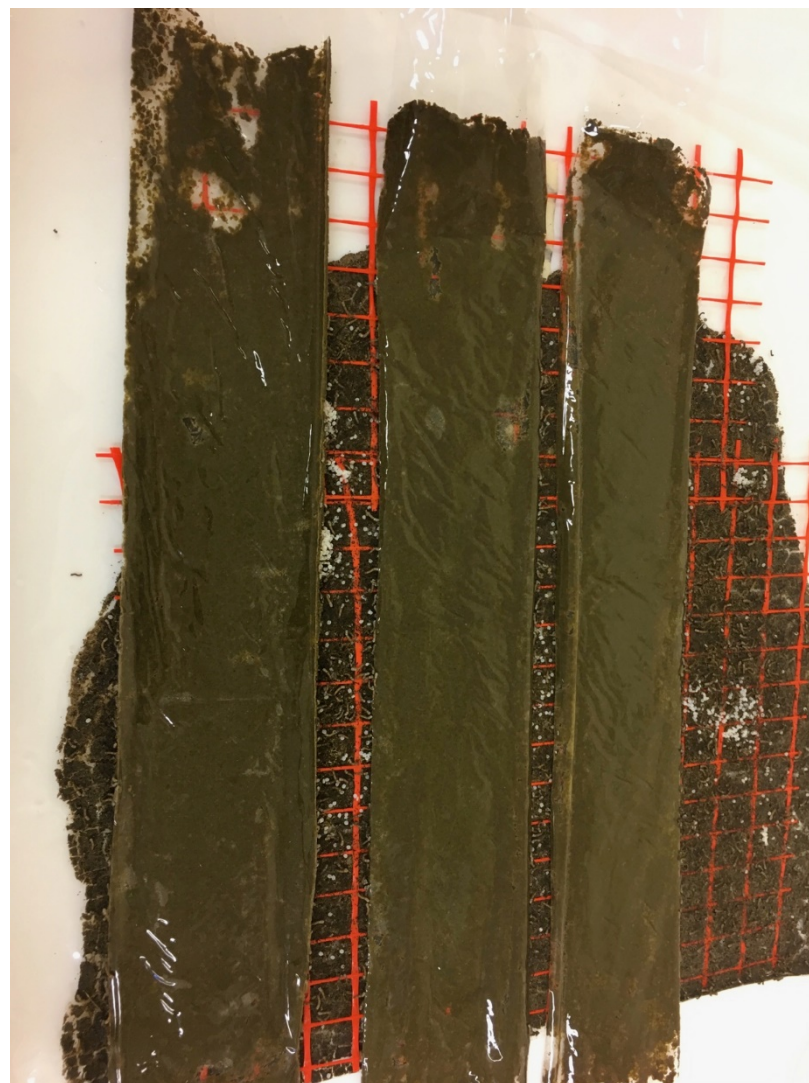
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2018: Diet production of young instar larvae for rearers





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2018: Silkworm boxes production for farmers and technical assistance





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2018: First mechanization: leaf cutting machine





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The general lesson that is possible to learn from this experience is: do not wait for the intervention of the textile industry that will not come. Work in collaboration with it, when possible, but look for alternatives and small-scale market.

- Try to innovate.
- Try to have new ideas.
- Try to make groups.
- Try to work with farmers and to listen to their needs.
- Do not expect policies from EC, but use the tools you have: for example, consider plans for Rural Development and take profit of the connections between tourism, cultural heritage, agricultural tradition.
- Try to go towards a sustainable agriculture and silk industrial production: we are facing a planet emergency!!!



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Thanks for your attention!