The Etruscan Roman Bio-District
Towards the future

A unique landscape just outside of Rome.
Ready to be experienced and tasted.

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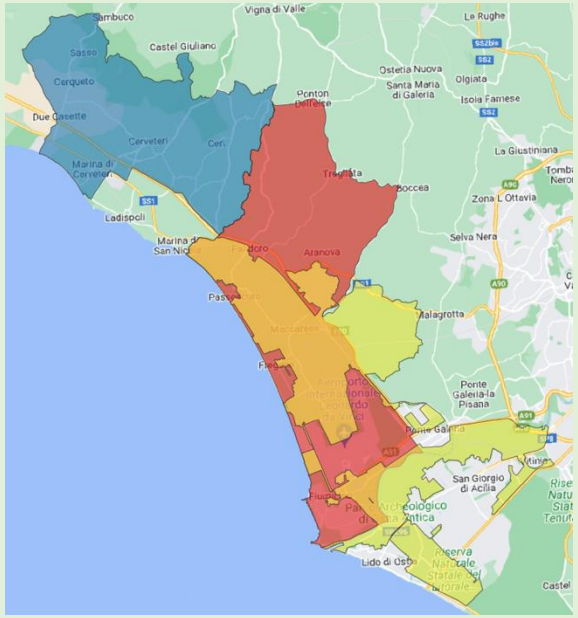
The territory



The Bio-District comprehends the municipalities of Fiumicino and Cerveteri. It extends over the Litorale Romano State Nature Reserve with a surface of 43.700 hectares.

Approximately 80% of its area is protected by environmental regulations. More than 70% of its territory is not anthropized and safeguarded by environmental, archaeological, cultural and landscape constraints.

Visit us.

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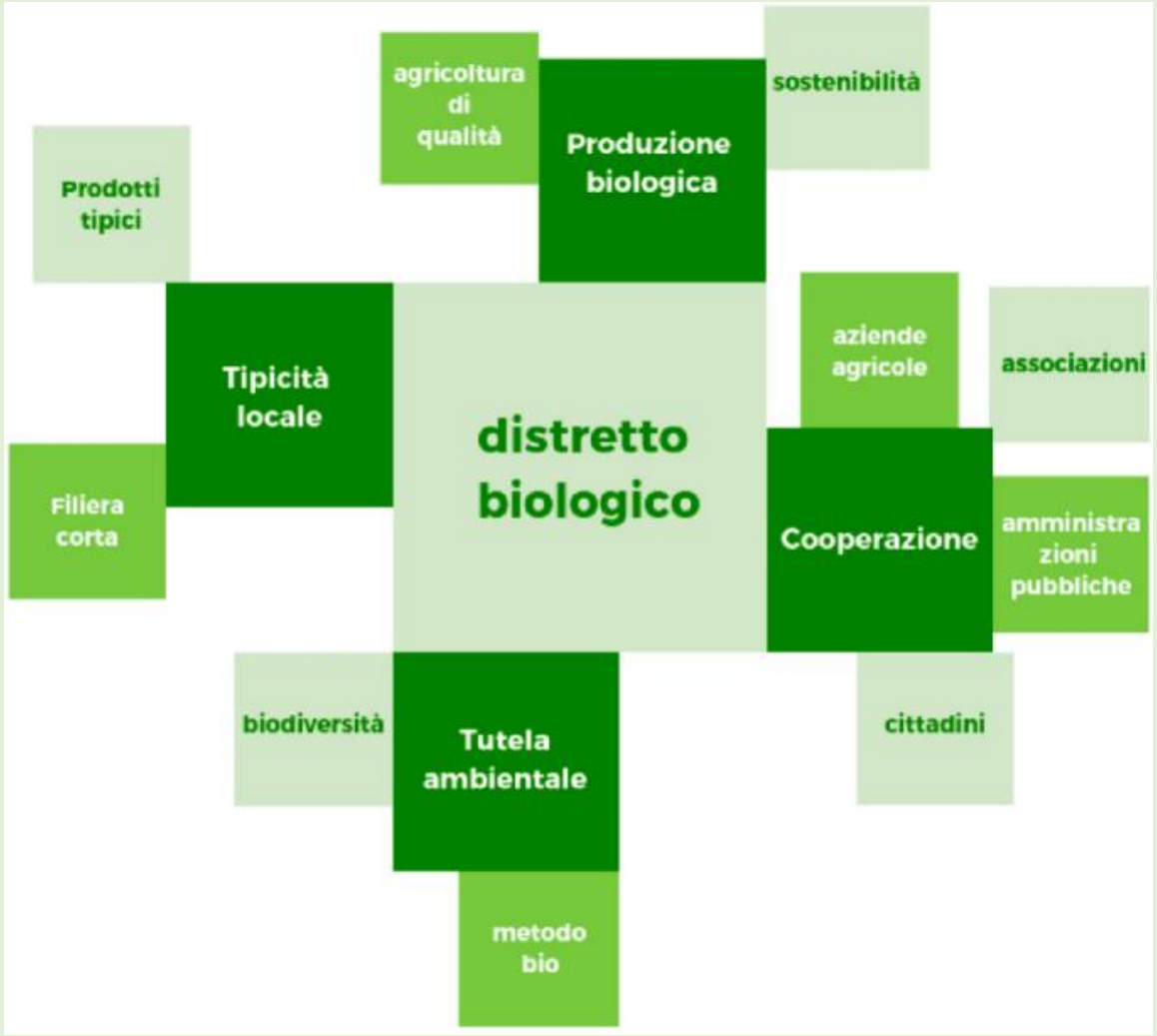
The Lazio Region recognizes the Roman Etruscan Bio-District by council deliberation on 1st October 2019 . Various fields of production characterize the member companies: ***zootechnics, horticulture, viticulture and a farm brewery****. Half of the companies have a company shop, some transform directly their own products, five of them manage an "agriturismo". Most of the associations deliver their products directly to their clients home or through ethical purchasing groups.*

Strategic guidelines and goals elaborated in 2021 by the Bio-District in a three-year-plan are the foundation for various investment projects and regional national incentives in which the Bio-District participated and is participating.



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Bottom-up participatory model

The idea of applying a bottom-up participatory model is prerogative for every member of the Bio-District. The goal is to reframe the exchange with the territory.

The stablishing law of the Bio-Districts is also in connection with this old but always prevailing concept.

The Roman Etruscan Bio-District is already working according to this concept working bottom-up and trying to involve associations and other realities.

The Bio-District is promoting together with other entities the contract of river, called "Contract of river, coast and landscape Arrone". The aim of this project is the participatory management of the territory focusing on water basins.

Furthermore, the Bio-District fought against infrastructure projects which would have had not only an impact on the landscape but also on the integrity of the territory.

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Goals

- *Promotion of organic production in agriculture, zootechnics and agrifood systems*
- *Preservation of natural and seminatural habitats and of the local flora and fauna*
- *Develop local resources and create employment by advancing partnerships between different stakeholders in the organic agrifood business*
- *Create a cooperation between agriculture and food by integrating the touristic, historical-archaeological and environmental sector*
- *Promote and organize research, propagation and formation concerning organic agriculture and the preservation of local culture specificity*

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Organic agricultural land

Between the municipalities of Cerveteri and Fiumicino the utilized organic agricultural land (SAU Biologica) amounts to 3.204 hectares which results in 22,5% of the entire utilized agricultural land (14.340 hectares).

COMUNE	Arboreti	Pascoli	Seminativi	Serre fisse	Area non pascolabile	SAU	TARE	Boschi	Acque	Manufatti	SANU	SAT
CERVETERI	50,17	119,10	550,57	0,47	1,18	721,49	8,35	526,59	7,12	0,01	542,07	1.263,56
FIUMICINO	124,19	198,20	2.133,24	26,72	0,88	2.483,24	35,17	360,85	29,40	0,00	425,42	2.908,65
	174,36	317,30	2.683,81	27,19	2,07	3.204,72	43,53	887,44	36,52	0,01	967,49	4.172,22

Today 3.700 hectares are cultivated by the 13 organic Farms of the Roman Etruscan Bio-District following the organic method. This includes also organic farms from the municipality of Rome.

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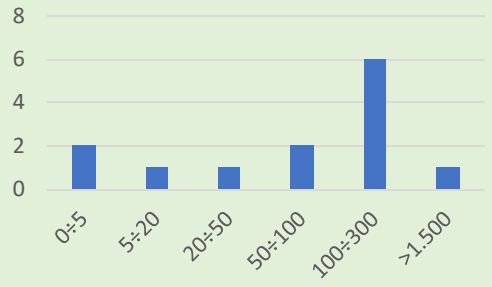
Detailed information

n° AZIENDE AGRICOLE per TERRENO COLTIVATO (ha)



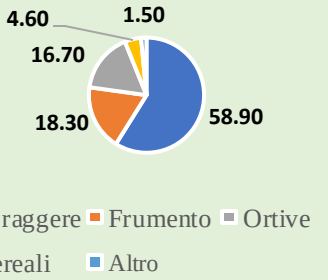
AZIENDE	N°
di trasformazione	1
di produzione formaggi/gelati	1
di produzione vino	1
di produzione birra	1

AZIENDE ZOOTECNICHE	N°
allevamento bovino da carne	4
allevamento bovino da latte	3
allevamento avicolo	1

AZIENDE	N°
con ristorante	4
con punto vendita	9
con agriturismo	1

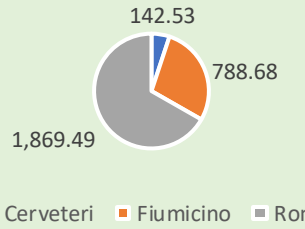
AZIENDA	ARBORETI	PASCOLI	SEMINATIVI	SERRE FISSE	Superficie Agricola Utilizzata (SAU) TOTALE
Biolà	8,70	39,05	199,61		**247,36**
Caramadre			28,61	1,50	**30,11**
Agricola di Tragliata	9,95	2,44	61,99		**74,38**
Podere 676	0,76	4,67	8,19		**13,62**
Torre in Pietra Leprignana	60,42	1,54	47,71		**109,67**
Solaria	17,68	28,25	181,52		**227,45**
Torre in Pietra Carandini	0,26	3,95	245,00		**249,21**
Pizzo del Prete	0,15	6,54	129,02		**135,71**
Il Melograno	1,25	0,1	3,14		**4,49**
Casale dei Pozzi	1,51		0,82		**2,33**
Lauteri	2,33	3,23	130,59		**136,15**
Castel di Guido	298,71	538,03	681,62		**1.518,36**
Fondi		4,2	47,66		**51,86**
Totali	401,72	632,00	1.765,48	1,50	**2.800,70**

SEMINATIVI (%)



ARBORETI	ha
vite	70,45
olivo	278,34
luppolo	0,76
frutteti	52,17

SAU per comune



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Development and outreach

Various international delegations were hosted by the members of the Roman Etruscan Bio-District.
Public figures and entrepreneurs from the agricultural and hospitality sector came to visit our realities.

Uzbecan delegation c/o the Bio-District
Chamber of commerce of Milan Monza Brianza Lodi

Some of the Bio-District members collaborated as evaluators and consultants in Almaty (Kazakhstan). They gave their technical support to implement the organic agricultural project ORGANIC DEMO-FARM
Chamber of Commerce of Kazakhstan

Colombian delegation c/o the Bio-District
National Research Council

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Development and outreach

Handling of opening of the flower: from the model to the cultures:

- Role of light and essential oils
- Essential oils and defence against pathogens
- Role and usage of plant hormones, discovery of biodiversity

Valorisation of cultures:

- Metabolic and nutritious aspects of organic turnip greens
- Transcriptomics and the metabolic paths of nutrients of organic turnip greens
- Holobiont and resilience: using bio-stimulants for sugarloaf cultures and for water preservation

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Precision farming 4.0

The future of agriculture is handling data to implement an intelligent management of phytosanitary measures which acts only when necessary.
An optimisation of phytosanitary treatments can be achieved when microclimatic data is integrated with phytosanitary data. This results in a better quality and quantity of productions, environmental protection, efficient usage of natural recourses and a reduction of carbon emissions.
The Bio-District implemented 6 agrometeorological stations with models thanks to a funding from Lazio Region.

Disease forecast models
Modelli previsionali (DSS) per patologie

Vine
Peronospora, Oidio,
Tignola e Tignoletta,
Flavescenza dorata

Apple
Ticchiolatura,
Carpocapsa

Corn
Diabrotica, Piralide

Olive
Mosca olearia

Irrigation and fertilization management models

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Requirements

Better quality of organic certification with system analysis

Supply of analysis and research labs

Non-invasive analysis systems to monitor products during growing stages before harvest

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Thank you!

www.biodistrettoetruscoromano.it

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