

TRAINING SESSIONS

WP3 Studies and Training

3.2 Training activities

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TRAINING SESSION N.1

Emilia-Romagna

December 6, 2019

GECO2 – Green Economy and CO2

Priority Axis: Safety and resilience

| | |
|----------------------|-------------------------------------|
| Work Package: | 3. Studies and Training |
| Activity: | 3.2 Training activities |
| Phase Leader: | ARPAE |
| Deliverable: | Report on Training event N.1 |

| | | | |
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| Responsible Partner: | Arpae | | |
| Editor: | Antonio Cinti | | |
| Contributors: | Antonio Volta, Giulia Villani | | |

Summary

Friday, December 6, 2019, from 9 to 14, in the conference room 'Nullo Baldini' of Ravenna, Via Faentina 106, was held the seminar 'Biochar in agriculture: a resource for conserving carbon in the soil', organized by Arpae and Legacoop Romagna as part of the EU Interreg Italy Croatia GECO2 project.

The biochar is the English name for a special form of charcoal obtained by the transformation of organic biomass into a carbon-rich material, with great stability over time.

The use of biochar has in fact been considered for some years to be one of the most effective climate change mitigation measures in the agro-forestry sector.

Research in this field has also highlighted the positive impacts of biochar on agricultural production, with environmental benefits that go beyond carbon sequestration from the atmosphere.

Speakers, including representatives of the Italian association iChar, research bodies (University of Bologna, Bolzano, Modena and Reggio Emilia, Crea di Bologna, Cnr-Ibe and Crpv) and the production world (companies RES coop. and ET srl), analyzed the aspects of biochar production from agricultural residues and its uses from an agronomic and environmental point of view, through the latest developments in research and innovation.

Partners of GECO2 project, funded by Italy-Croatia Interreg EU Program, and involving eight partners of the Adriatic coasts, presented the main aims of the project: establishing voluntary carbon markets in agri-food chains; promote the use of conservative carbon management techniques in cultivated soils, and exploiting the use of biochar produced locally or in other agro-forestry contexts.

Agenda

09:00 Registration

09:20 Welcome address - Legacoop Romagna

09:30 GECO2 project presentation - Vittorio Marletto, ARPAE Simc

09:50 Flame weeding and biochar: a possible coupling? - Davide Bersani, RES Società Cooperativa

10:10 Hydrochar: production and potential uses - Giuseppe Gherardi, ET s.r.l.

10:30 Biochar from gasification of agricultural side products: a case study in the viticultural chain - Simone Pedrazzi, Dipartimento di Ingegneria Enzo Ferrari Università di Modena e Reggio Emilia

10:50 Biochar application on giant reed (*Arundo donax* L.) in the Po valley - Enrico Ceotto, CREA Centro di Ricerca Agricoltura e Ambiente

11:10 ENOCHAR: carbon storage in viticulture - Nicolas Greggio e Diego Marazza, EMRG Lab. Università di Bologna

11:30 The Italian Biochar Association and the Italian legislation on biochar - Alessandro Pozzi, ICHAR

11:50 10-year application of biochar in a vineyard - Francesco Primo Vaccari, IBE-CNR

12:10 Il biochar from conifer wood chips as amendment of agricultural soils in Alto Adige: impacts on GHG emissions and soil carbon stocks - Maurizio Ventura, Facoltà di Scienze e Tecnologie Libera Università di Bolzano

12:30 Early results on biochar applications in several viticultural case studies within the EmiliaRomagna- Giovanni Nigro e Paola Tessarin, CRPV

12:50 General discussion

13:10 Networking lunch

14:00 Conclusion

If you are interested in participating, you are kindly asked to send an email to Giulia Villani (gvillani@arpae.it) and Antonio Volta (avolta@arpae.it)

ABSTRACT

‘Biochar in agriculture: an opportunity to store carbon in soil’ is a training workshop organized by Arpae and Legacoop Romagna in the framework of Interreg Italia-Croazia project GECO2 (www.italy-croatia.eu/geco2).

Biochar is the name of a special form of charcoal obtained through the transformation of organic biomass into a carbon-rich material, characterized by great stability over time.

The use of biochar in recent years is currently considered one of the most effective measures to mitigate climate change in the agro-forestry sector. Research in this field has also highlighted the positive impacts of biochar on agricultural yields, with environmental advantages that even overcome the removal of carbon from the atmosphere.

This training day aims at presenting the latest aspects of biochar production from agricultural residues and its uses from an agronomic and environmental point of view, through the most recent developments in research and innovation.

TRAINING SESSION N.2

Emilia-Romagna

May 5, 2020

GECO2 – Green Economy and CO2

Priority Axis: Safety and resilience

| | |
|----------------------|--------------------------------|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | Webinar Report by ARPAE |

| | | | |
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| Availability: | Public | | |
| Responsible Partner: | ARPAE | | |
| Editor: | Giulia Villani | | |
| Contributors: | Antonio Volta, Vittorio Marletto, Antonio Cinti | | |

Summary

On May 5, 2020, the webinar "**Carbon under our feet. How to preserve and increase the organic matter in agricultural soils**" was organized by Arpae and Legacoop Romagna in the framework of WP3. The webinar was held in Italian but most of the provided documentation is available in English as well as Italian. In the following, a report of the training seminar is provided, including agenda, minutes, participant description and event follow-up.

347 requests of participation were registered but, in order to avoid technical issues due to Internet connection and informatics facilities failures, a part of these persons was allowed to participate live.

The webinar was organized via Google Meet, therefore a virtual participant list is available obtained by means of print screens taken during the webinar (see image below) in order to trace all the participants. The maximum number of connections was 159.

The audience was composed by public sector representatives, agronomists, university students and researchers.

GECO2 project Webinar

Carbon under our feet

How to preserve and increase the organic matter in
agricultural soils

May 5th, 2020, 9.30-12.30
Webinar



Agenda

- 09:30 Welcome address
- 09:40 GECO2 project presentation - Vittorio Merletto, ARPAE Simc
- 10:00 Cropping systems and organic carbon in soil: the outputs from long-term experiments (LTE) - Enrico Ceotto, CREA - Centro di ricerca Agricoltura e Ambiente
- 10:20 Good practices in agriculture for the maintenance/increase of organic matter in soils - Paolo Mantovi, Fondazione CRPA Studi Ricerche
- 10:40 Application of digestate in agriculture: soil nutrition from NPK to CNPK – Guido Bezi, CIB Consorzio Italiano Biogas
- 11:00 Application of organic matter on the orchard: effect on the soil and on the nutritional status of plants - Elena Baldi, DISTAL Università di Bologna
- 11:20 Operational Teams of Emilia-Romagna in action on monitoring the content of organic matter in agricultural soils - Carla Scotti, I.Ter
- 11:40 Premium compost to tackle the lack of organic matter in soils - Giovanni Ferrucci, Enomondo - Gruppo CAVIRO
- 12:00 General discussion

If you are interested in participating, you are kindly asked to send an email to Giulia Villani (gvillani@arpae.it) and Antonio Volta (avolta@arpae.it). Once registered, the link to the webinar will be provided.

Minutes

The webinar "Carbon under our feet" was held on May 5, 2020 as part of the Italy-Croatia GECO2 project; the 7 reports presented by researchers and specialists have deepened the topic of conservation and increase of organic matter in agricultural soils, each for its own field of expertise. Thanks to these interventions that dealt with the general theme from very heterogeneous points of view, it was possible to give a complex and articulated perspective to such a broad topic. More than 150 listeners attended the event. Below you can read a summary of the interventions:

Vittorio Marletto of Arpaie introduced the webinar and briefly presented the objectives of the GECO2 project to the virtual audience. Afterwards, Enrico Ceotto of CREA presented the first intervention entitled 'Crop systems and organic carbon in the soil: the response of long-term experiments (LTE)'. Dr. Ceotto presented the data coming from a long experimental campaign indicating an increase in the soil organic carbon for the no-tilled permanent meadow while the arable crop systems show only slight increases in the carbon content in the soil, even in the case in which bovine manure is applied annually. This brings to practical agronomic indications useful in a context of mitigation of climate change in agroecosystems.

The theme of organic carbon in soils in the livestock sector was then faced. Paolo Mantovi (Fondazione CRPA Studi Ricerche) intervened on this. He presented the contribution "Good agricultural practices for the maintenance / increase of the organic substance in soils".

Some good conservative agriculture practices and good practices in the use of zootechnical effluents have been described to increase the organic matter content in the soils. Besides it was shown the results obtained on these topics in various projects funded by the Emilia-Romagna Region.

Guido Bezzi of the Italian Biogas Consortium (Consorzio Italiano Biogas CIB) also made his contribution on the use of organic matter from the livestock sector with the intervention entitled "Digestate in agriculture: soil fertilization turning from NPK to CNPK". The long-term effects of digestate on soil fertility were illustrated by applying a conservative and innovative agronomic model. Furthermore, the evolution of fertilization techniques for the efficient use of digestate in various crops has been described.

'Application of organic matter in the orchard: effect on soil and on the nutritional status of plants' is the title of the speech by Elena Baldi, DISTAL University of Bologna. In this part of the webinar, the focus has shifted to experimentation in the orchard. The results of the organic fertilization of a peach orchard collected in 12 years have been illustrated. It has emerged that most of the C applied by means of compost can be considered able to act as a sink in the soil because of slow degradation. Organic fertilization has also led to an increase in nitrogen soil content as well as an improvement in the chemical and biological fertility of the soil. From this experimentation it emerged that compost is an excellent alternative in the management of fertilizing a peach orchard.

"Operational Groups of Emilia-Romagna in action on monitoring the content of organic matter in agricultural soils" is the report by Carla Scotti, I. Ter. The report showed that knowledge and monitoring of soils are fundamental to support the choice of good agro-environmental management practices and to enhance the role of farmers, as custodians of the soil and landscape as well as producers of typical products. The need to know and to monitor the soil is therefore the basis for the formation of operational groups in Emilia-Romagna. The latter's main results were illustrated in the vineyards, orchards, fruit chestnuts and meadows.

Finally, Giovanni Ferrucci of Enomondo with the presentation "Quality compost to combat the lack of organic substance in the soil", introduced the concept of CAVIRO about circular economy applied to the agricultural and agro-industrial world. In this last intervention, the perspective has further shifted to the aspects of compost production, showing a series of soil amendments that his company produces starting from the residues of the wine supply chain.

The webinar was recorded and loaded on the YouTube channel of Arpae:

<https://www.youtube.com/watch?v=SIUr4sOig2g&feature=youtu.be> (290 visualization, 7 like)

TRAINING SESSION N.3

Emilia-Romagna

June 3, 2020

GECO2 – Green Economy and CO2

Project ID: 10046878

Priority Axis: Safety and resilience – SO 2.1

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | Webinar Report by LEGACOOP ROMAGNA |

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|---------------------------|------------------|--------------|----------------------|
| Version: | Final | Date: | June 30, 2020 |
| Type: | Report | | |
| Availability: | Public | | |
| Partner in charge: | Legacoop Romagna | | |
| Contributors: | Arpae | | |

Summary

On June 3, 2020, the online technical seminar "**Environmental product communication: state of the art and toolbox**" was held in the framework of WP3. The webinar was organized by Legacoop Romagna in cooperation with LP Arpae and it replaced the live seminar that was cancelled in March 2020 because of the coronavirus pandemic. The webinar was addressed to agri-food businesses, sustainability experts and communication professionals.

The objective of the webinar was to deepen the function of the eco-labeling tools in raising awareness on the ecologically relevant contents of the products.

The seminar therefore analyzed the main communication tools of the environmental footprint, such as the "Carbon footprint" and the "Made Green in Italy" (the latter developed by the Italian Ministry of Environment), evaluating in critical terms the application experiences, in order to study their possible use within the GECO2 project with particular attention to the enhancement of production chains and territorial connections. National experts and two leading food co-operatives, Fruttigel and Deco Industrie, attended the discussion.

In order to increase the dissemination of information about the webinar among the target groups, four video-interviews to the webinar experts were registered and published on the GECO2 Facebook page. The experts interviewed were: Antonio Cinti (Project Manager), Nicoletta Fascetti (Ministry of Environment), Simona Scalbi (ENEA) and Stanislao Fabbrino (Fruttigel Soc. Coop.).

N. 135 requests of participation were registered. N. 76 participants attended the webinar from, among other: businesses, consulting companies on environmental sciences and sustainability, universities and research centers, regional environmental agencies, public administrations, business associations, etc.

In the following, a report of the training seminar is provided, including agenda, minutes, participant list, PPT presentations and event follow-up.



GECO2

Green Economy and CO₂

**Environmental product communication:
state of the art and toolbox**

Wednesday 3 June 2020
9.30 am - 1.00 pm
Virtual technical seminar



Seminar programme

- 9:30 GECO2 Project presentation - Vittorio Marletto, Arpae (SIMC)
Antonio Cinti, Geco 2 Project Manager
- 10:00 The system of environmental qualification labels: general scenario and outlook -
Helga Tenaglia - Emanuela Venturini, Arpae DG- SQEF
- 10:30 Made green in Italy: a label for the environmental quality of products – Nicoletta Fascetti
Leon, Ministry of the Environment - UAT Sogesid
- 10:50 The carbon footprint: state of the art and prospects - Simona Scalbi, ENEA
- 11:20 Participatory certification, transparent labelling - Leonardo Marotta, Scientific Director of
the European Association of Environmental Science and Technology
- 11:40 Product Environmental Footprint district-wide: the Life PREFER project - Alessandro Bosso,
ART-ER USEA
- 12:00 How to communicate environmental sustainability? The experience of companies
- Fruttage! Stanislaò Fabbrino, Presidente e AD
- Deco Industrie Donatella Bandini, Responsabile sistemi di Gestione
- 12:40 Question time
- 13:00 Conclusions and end of work

You need to register by filling in the online form: [go to the registration form](#).

Once registered, you will be provided with the link to watch the webinar.

Minutes

The webinar "**Environmental product communication: state of the art and toolbox**" was held on June 3, 2020 as part of the Italy-Croatia GECO2 project;

The event hosted by Legacoop Romagna and Arpae focused on eco-labels, like "Carbon footprint" and "Made green in Italy", whose function is to deliver and market the ecological contents of products.

Antonio Cinti from Arpae introduced the webinar and briefly presented the **objectives of the GECO2 project** to the virtual audience. Then **Emilio Gelosi**, GECO2 communication manager, introduced the keynote speakers:

- **Emanuela Venturini** from Arpae, who presented the perspectives of ecolabelling with a focus on the communication and environmental certification instruments. Emanuela Venturini presented the main types of ecological labels (Ecolabels, Self-declared environmental Claims, Environmental Product Declarations) highlighting the strengths and weaknesses of each one. She underlined the fact that information on environmental performance must be supported by solid scientific bases, must be clear, truthful and transparent. This is what allows consumers to make informed choices and businesses to give value to their commitment to sustainability, increasing their competitiveness.
- **Nicoletta Fascetti**, from the Ministry of the environment, who presented the "Made Green in Italy" brand, created to develop the communication of Italian typical products and specialties. The Italian Ministry of the Environment, involved for years in the promotion of sustainable production and consumption models in the production sector, has launched the challenge of a new environmental "brand" for Italy. With the Italian law 221/2015, the "Made Green in Italy" scheme was set up, aimed at promoting products with high environmental qualification.

It is a voluntary national scheme, managed by the Ministry of the Environment, based on a robust methodology, defined at European level (PEF-Product Environmental Footprint, Recommendation 2013/179/EC and following technical documents) which intends to provide consumers with clear, complete and transparent information, subject to certification by a third party.

- **Simona Scalbi**, from Enea, who outlined the state of the art and perspectives of the carbon footprint.
- **Leonardo Marotta**, from the European Association of Environmental Science and Technology, who focused on Participatory guarantee systems and transparent labelling. Carbon credits are certifiable through various types of certification, including Participatory Guarantee Systems (PGS), which can be voluntarily placed on product labels and must be traced and traceable.
- **Alessandro Bosso**, from Art-ER, who presented the main results of the PREFER project - PProduct Environmental Footprint Enhanced by Regions, a project funded by the LIFE Program ended in 2016. PREFER experimented the European methodology for assessing the environmental footprint of products and services (PEF) based on the life cycle analysis. The experimentation involved 8 Italian production districts. The peculiarity of the project consists in the application of the PEF according to a cluster approach, aimed at promoting the use of this tool by small and medium-sized enterprises.

- **Stanislao Fabbrino**, president and CEO of Fruttage, illustrated the remarkable case history of his cooperative about environmental sustainability and communication, with particular attention to the role of the distribution sector in valorising sustainable products and in raising awareness among consumers;
- **Donatella Baldini**, from DECO Industrie, presented the experience of the cooperative in circular economy and ecolabelling.

The webinar was recorded and loaded on the YouTube channel of Legacoop Romagna:

<https://www.youtube.com/watch?v=71BqLDisUi8>

All the mailing list was provided of webinar materials, including project information, presentations, agenda and video recording of the event.

Presentations

The experts presented the following materials, which are attached to the present report:

- Il sistema di marchi di qualificazione ambientale: scenario generale e prospettive (The system of environmental qualification labels: general scenario and prospects), Helga Tenaglia, Emanuela Venturini, Arpa ER
- “Made Green in Italy” un marchio per la qualità ambientale dei prodotti (“Made Green in Italy” a brand for the environmental quality of products), Nicoletta Fascetti Leon, Ministry of the environment
- L’impronta di carbonio: Stato dell’arte e prospettive – Il progetto Life Clim’Foot (The carbon footprint: state of the art and perspectives - The Life Clim’Foot project), Simona Scalbi, ENEA
- La certificazione partecipata, l’etichettatura trasparente (Participatory certification, transparent labeling), Leonardo Marotta, Associazione Europea di Scienze e Tecnologie Ambientali
- Product environmental footprint su scala distrettuale: il progetto Life PREFER (Product environmental footprint on a district scale: the Life PREFER project), Alessandro Bosso, ART-ER
- La sfida evolutiva da azienda lineare ad azienda circolare (The evolutionary challenge from a linear company to a circular company), Donatella Bandini, Deco Industrie.

TRAINING SESSION N.1

Puglia

August 3, 2020

GECO2 – Green Economy and CO2

Priority Axis: Safety and resilience

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 training activities Report n.3 |

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| Editor: | VINCENZO VERRASTRO | | |
| Contributors: | Simona Giordano, Laura Scivetti, Antonella Acquafredda | | |

On August 3rd 2020 CIHEAM Bari organized the third webinar in the framework of WP3.2. The webinar was held in Italian, and the material is available in the same language. In the following, a report of the training seminar is provided, including agenda, minutes, participant list, PPT presentations and communication carried on with regard to web and social media.

Agenda

10:00 Welcome address – Vincenzo Verrastro (Project Manager)

10:15 “Recupero di sottoprodotti dell'industria agroalimentare per la gestione della fertilità del suolo agrario. Risultati di una sperimentazione quinquennale” - Donato Mondelli (Head of Laboratory of Agricultural and Environmental Chemistry (LAEC) CIHEAM Bari)

11:00 "Eco-efficienza ed emissioni di CO2 a farm-level, un approccio LCA" - Generosa Calabrese (Scientific Administrator - CIHEAM Bari) and Mladen Todorovic and Andi Mehmeti (CIHEAM Bari)

12:00 Q&A Session and Concluding remarks

Abstract

The Webinar aims at deepening the problems related to the adoption of intensive agricultural practices, which are not sustainable in the long term, and which have brought about important environmental repercussions; analyzing the opportunities provided by new agronomic techniques to safeguard the quality of agricultural soils; illustrating the application of a Life Cycle Assessment LCA approach to the durum wheat production process for assessing the eco-efficiency and CO2 equivalent emissions of the production process.

Participants composition

| | |
|---------------|----------------------|
| 8 researchers | CIHEAM Bari |
| 9 academics | FTN Network |
| 1 officer | Gradiska governorate |
| 1 academic | UNITN |

Minutes of the webinar

The webinar was held on August 3rd 2020 as part of the Italy-Croatia GECO2 project; the 2 reports presented have deepened the issues related to the problems related to the adoption of intensive agricultural practices, which are not sustainable in the long term. Moreover, the application of a Life Cycle Assessment LCA approach to the durum wheat production process for assessing the eco-efficiency and CO2 equivalent emissions of the production process was outlined.

Vincenzo Verrastro introduced the webinar and briefly presented the objectives of the GECO2 project to the virtual audience. Afterwards, Donato Mondelli presented the first intervention entitled “Recupero di sottoprodotti dell’industria agroalimentare per la gestione della fertilità del suolo agrario. Risultati di una sperimentazione quinquennale” and Generosa Calabrese, together with the mentioned colleagues from CIHEAM Bari, showed a video with a second intervention entitled “Eco-efficienza ed emissioni di CO2 a farm-level, un approccio LCA”.

The webinar ended with a Q&A session and concluding remarks by Vincenzo Verrastro.

Presentations

The webinar materials are available on a GDrive folder. In the following, the links are provided.

3 Communication (Web and Social media)

WEBINAR

LUNEDÌ, 3 AGOSTO 2020
10:00 - 12:30

ECO-EFFICIENZA ED EMISSIONI DI CO₂ A FARM-LEVEL, UN APPROCCIO LCA
GENEROSA CALABRESE, Scientific Administrator & M. Todorovic e A. Mehmeti - CIHEAM Bari
RECUPERO DI SOTTOPRODOTTI DELL'INDUSTRIA AGROALIMENTARE PER LA
GESTIONE DELLA FERTILITÀ DEL SUOLO AGRARIO. RISULTATI DI UNA
SPERIMENTAZIONE QUINQUENNALE
DONATO MONDELLI, Head of Laboratory of Agricultural and Environmental Chemistry (LAEC) -
CIHEAM Bari



Con il webinar di lunedì 03 agosto 2020 dalle 10:00 alle 12.30 si conclude il ciclo di incontri organizzati dal CIHEAM Bari nell'ambito di GECO2 (<https://www.italy-croatia.eu/web/geco2>), progetto finanziato dal Programma di Cooperazione transfrontaliera Interreg V A Italia-Croazia che si unisce alla lotta ai cambiamenti climatici, per sviluppare un nuovo modello agricolo e industriale sostenibile.

Interventi previsti:

1. "Recupero di sottoprodotti dell'industria agroalimentare per la gestione della fertilità del suolo agrario. Risultati di una sperimentazione quinquennale", a cura di Donato Mondelli, Head of Laboratory of Agricultural and Environmental Chemistry (LAEC) presso il CIHEAM Bari.
2. "Eco-efficienza ed emissioni di CO₂ a farm-level, un approccio LCA", tenuto da Generosa Calabrese, Scientific Administrator presso il CIHEAM Bari, con M. Todorovic e A. Mehmeti del CIHEAM Bari.

Obiettivi:

Analizzare le opportunità fornite da nuove tecniche agronomiche per salvaguardare la qualità dei suoli agrari

- Illustrare l'applicazione di un approccio Life Cycle Assessment LCA al processo produttivo del grano duro per la valutazione dell'eco-efficienza e delle emissioni di CO2 equivalenti del processo produttivo.

Il Webinar è rivolto a coloro che, a vario titolo, operano nel settore agricolo e nella ricerca ad esso relativa: produttori e trasformatori, accademici e ricercatori e professionisti/consulenti.

Per partecipare registrarsi qui: <https://bit.ly/3eYjDD6>

TRAINING SESSION N. 2

Puglia

July 20, 2020

GECO2 – Green Economy and CO2

Priority Axis: Safety and resilience

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 training activities Report n.2 |

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| Contributors: | Simona Giordano, Laura Scivetti, Antonella Acquafredda | | |

SUMMARY

On July 20th 2020 CIHEAM Bari organized a second webinar in the framework of WP3.2. The webinar was held in Italian, and the material is available in both Italian and English (one presentation each). In the following, a report of the training seminar is provided, including agenda, minutes, participant list, PPT presentations and communication carried on with regard to web and social media.

Agenda

10:00 Welcome address – Vincenzo Verrastro (Project Manager)

10:15 “Sostenibilità e Green Economy, Green marketing e consumo Green” – Roberta Callieris (Economist - CIHEAM Bari)

11:00 “Implicazioni produzione agricola ed ambiente. Metodi di valutazione” – Rocco Roma (Professor in Economics and agricultural policy - Università degli Studi di Bari Aldo Moro)

12:00 “Q&A session and concluding remarks

Abstract

The Webinar cycle organized by CIHEAM Bari as part of the Interreg ItalyCroatia GECO2 project - www.italy-croatia.eu/web/geco2 -, is enriched by a second meeting. The objectives are illustrate the various aspects of the link between agricultural activity and the environment, in a multidisciplinary perspective and with a careful look at the methodologies for measuring and assessing the environmental impact in relation to food choices, and deepen the concept of Green marketing as a lever for Sustainable Development. The topics that will be covered during the webinar are strictly related to #CambiamentoClimatico and the demand for "Green" products, central themes in the GeCO2 project.

Participants composition

| | |
|---------------|----------------------|
| 1 academic | UNITN |
| 4 researchers | CIHEAM Bari |
| 8 academics | FTN Network |
| 1 officer | Gradiska governorate |

Minutes of the webinar

The webinar was held on July 20th 2020 as part of the Italy-Croatia GECO2 project; the 2 reports presented have deepened the issues related to the Green Economy, with particular reference to the green marketing and consumers behavior. Furthermore, the link between agricultural activity and the environment, in a multidisciplinary perspective and with a careful look at the methodologies for measuring and assessing the environmental impact in relation to food choices was explored.

Vincenzo Verrastro introduced the webinar and briefly presented the **objectives of the GECO2 project** to the virtual audience. Afterwards, Roberta Callieris presented the first intervention entitled “Sostenibilità e Green Economy, Green marketing e consumo Green” and Rocco Roma outlined his second intervention entitled “Implicazioni produzione agricola ed ambiente. Metodi di valutazione”. The webinar ended with a Q&A session and concluding remarks by Vincenzo Verrastro.

Presentations

The webinar materials are available on a GDrive folder. In the following, the links are provided.

Communication (Web and Social media)



WEBINAR
LUNEDI, 20 LUGLIO 2020
10:00 - 12:30

SOSTENIBILITÀ E GREEN ECONOMY, GREEN MARKETING E CONSUMO GREEN
ROBERTA CALLIERIS, Economista - CIHEAM Bari

IMPLICAZIONI PRODUZIONE AGRICOLA ED AMBIENTE. METODI DI VALUTAZIONE
ROCCO ROMA, Professore in Economia e Politica Agraria - Università degli Studi di Bari Aldo Moro



Interreg
Italy - Croatia
GECO2
EUROPEAN UNION

NEWS PER WEB

Il ciclo di #Webinar organizzato dal CIHEAM Bari nell'ambito del progetto Italia-Croazia GeCO2, si arricchisce di un secondo incontro che si terrà lunedì 20 luglio 2020, dalle 10:00 alle 12.30. Due gli interventi previsti:

1. “#Sostenibilità e #GreenEconomy, #Greenmarketing e Consumo Green”, tenuto da Roberta Callieris, Economista presso il #CIHEAMBari.
2. "Implicazioni produzione agricola ed #ambiente. Metodi di valutazione" a cura di Rocco Roma, Professore in Economia e Politica Agraria - Università degli Studi di Bari Aldo Moro

Obiettivi del webinar:

- Illustrare i diversi aspetti del legame tra l'attività agricola e l' #ambiente, in un'ottica multidisciplinare e con uno sguardo attento alle metodologie di misurazione e valutazione dell'impatto ambientale in relazione alle scelte alimentari;

- Approfondire il concetto di *Green marketing* come leva dello #SviluppoSostenibile.

Gli argomenti che saranno trattati nel corso del webinar sono strettamente correlati al cambiamento climatico e alla domanda di prodotti "Green", temi centrali nel progetto GeCO2.

Per partecipare registrarsi qui: <https://bit.ly/3j8m09T>

FACEBOOK

Il ciclo di #Webinar organizzato dal CIHEAM Bari nell'ambito del progetto Italia-Croazia GeCO2, si arricchisce di un secondo incontro che si terrà lunedì 20 luglio 2020, dalle 10:00 alle 12.30.

Obiettivi del webinar:

Illustrare i diversi aspetti del legame tra l'attività agricola e l' #ambiente, in un'ottica multidisciplinare e con uno sguardo attento alle metodologie di misurazione e valutazione dell'impatto ambientale in relazione alle scelte alimentari;

- Approfondire il concetto di *Green marketing* come leva dello #SviluppoSostenibile.

Gli argomenti che saranno trattati nel corso del webinar sono strettamente correlati al #cambiamentoClimatico e alla domanda di prodotti "Green", temi centrali nel progetto #GeCO2.

Per partecipare registrarsi qui: <https://bit.ly/3j8m09T>

TWITTER

Nell'ambito di [@GECO2eu](#) [@ItalyCroatia](#)

Obiettivi:

- Illustrare i diversi aspetti del legame tra [#agricoltura](#) e [#ambiente](#) in relazione alle scelte alimentari;
- Approfondire il [#GreenMarketing](#) come leva dello [#SviluppoSostenibile](#).
Registrazione : <https://bit.ly/3j8m09T>

TRAINING SESSION N.3 Puglia

14th July 2020

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|--|--------------|----------------------|
| Version: | Final | Date: | July 14, 2020 |
| Type: | Report | | |
| Availability: | Public | | |
| Responsible Partner: | CIHEAM Bari | | |
| Editor: | Vincenzo Verrastro | | |
| Contributors: | Simona Giordano, Laura Scivetti, Antonella Acquafredda | | |

SUMMARY

On July 14th 2020 CIHEAM Bari organized the first webinar in the framework of WP3.2. The webinar was held in English, and all the material is available in the same language. In the following, a report of the training seminar is provided, including agenda, minutes, participant list, PPT presentations and communication made on web and social media.

Agenda

10:00 Welcome address – Simona Giordano (Project Manager Assistant and GECO2 Staff)

10:15 “Getting out of the crisis: a pathway towards a green and sustainable economic recovery” – Giorgia Mangani (Climate and development advisor)

11:00 “The European Green Deal (EGD): a roadmap to zero emission. The EGD and the Farm to Fork strategy (F2F) and the Biodiversity strategy” – Vincenzo Verrastro (Project Manager CIHEAM Bari)

12:00 Q&A Session and Concluding remarks

Abstract

The aim is to explain the issues of the Green Deal in an innovative and clear way and to propose an effective consideration of the conversions that the outbreak of Covid-19 imposes on future companies.

The topics are closely linked to #cambiamentoClimatico, a fundamental theme of GECO2.

Participants composition

| | |
|------------------------------|-----------------------|
| 1 academic | Teheran University |
| 1 academic | University of Perugia |
| 1 academic | EGE University |
| 14 academics and researchers | FTN Network |

| | |
|---------------|-----------------------------------|
| 2 researchers | CIHEAM Bari |
| 1 officer | Ministry of Agriculture - Tunisia |
| 1 officer | Gradiska governorate |
| 1 officer | Ministry of Agriculture – Romania |

Minutes of the webinar

The webinar was held on July 14th 2020 as part of the Italy-Croatia GECO2 project; the 2 reports presented have deepened the issues related to the Green Deal, with particular reference to the creation of a sustainable recovery after the outbreak of Covid-19. Moreover, the EGD and the F2F strategy were explored.

Simona Giordano introduced the webinar and briefly presented the **objectives of the GECO2 project** to the virtual audience. Afterwards, Giorgia Mangani presented the first intervention entitled “Getting out of the crisis: a pathway towards a green and sustainable economic recovery” and Vincenzo Verrastro outlined his research, in the second intervention entitled “The European Green Deal (EGD): a roadmap to zero emission. The EGD and the Farm to Fork strategy (F2F) and the Biodiversity strategy”.

The webinar ended with a Q&A session and concluding remarks by Vincenzo Verrastro.

Presentations

The webinar materials are available on a GDrive folder. In the following, the links are provided



WEBINAR
TUESDAY, 14 JULY 2020
10:00 - 12:30 CEST

**GETTING OUT OF THE CRISIS:
A PATHWAY TOWARDS A GREEN AND
SUSTAINABLE ECONOMY RECOVERY**
GIORGIA MANGANI, Climate & Development
Advisor - CIHEAM Bari

**THE EUROPEAN GREEN DEAL (EGD):
A ROADMAP TO ZERO EMISSION. THE
EGD AND THE FARM TO FORK
STRATEGY (F2F) AND THE EU
BIODIVERSITY STRATEGY**
VINCENZO VERRASTRO, Scientific Administrator -
CIHEAM Bari

 **Interreg**
Italy - Croatia
GECO2


EUROPEAN UNION

Communication (Web and Social media)

WEBSITE

On Tuesday, July 14, 2020, from 10:00 to 12:30 CEST, will be held the first of the free webinars organized by CIHEAM Bari in the framework of Geco2, a project funded by the Interreg ItalyCroatia – website: <https://www.italy-croatia.eu/web/geco2>, led by Regional Agency for Prevention, Environment and Energy in Emilia Romagna, CIHEAM Bari is partner).

The webinar consists of two contributions:

1. “Getting out of the crisis: a pathway towards a green and Sustainable economy recovery” - Speaker: Giorgia Mangani, Climate & Development Advisor - CIHEAM Bari
2. “The European Green Deal (EGD): a roadmap to zero emission. The EGD and the Farm to Fork strategy (F2F) and the EU biodiversity strategy”- Speaker: Vincenzo Verrastro, Scientific Administrator at the CIHEAM Bari.

The webinar is addressed to all those who, in various ways, operate in the agricultural sector and in the research related to it: producers and processors, academics and researchers and professionals/consultants.

The objective is to explain through an innovative and clear way, the issues of the Green Deal and propose an effective consideration of the conversions that the outbreak of Covid-19 imposes on future companies.

The topics are closely related to climate change, pivotal theme of the Geco2 project. To participate register here: events.iamb.it

FACEBOOK

Tuesday, July 14, 2020, from 10:00 to 12:30 CEST

Free webinar organized by #CIHEAMBari in the framework of GECO2, a project funded by the #Interreg #ItalyCroatia – website: <https://www.italy-croatia.eu/web/geco2> (led by Regional Agency for Prevention, Environment and Energy in Emilia Romagna, CIHEAM Bari is partner).

Topics and speakers:

1. “Getting out of the crisis: a pathway towards a green and #SustainableEconomy recovery” -
Speaker: Giorgia Mangani, Climate & Development Advisor - CIHEAM Bari
2. “The European Green Deal (EGD): a roadmap to zero emission. The #EGD and the Farm to Fork strategy (F2F) and the EU #biodiversity strategy”- Speaker: Vincenzo Verrastro, Scientific Administrator at the CIHEAM Bari.

Participants: all those who, in various ways, operate in the agricultural sector and in the research related to it: producers and processors, academics and researchers and professionals/ consultants. The objective is to explain through an innovative and clear way, the issues of the Green Deal and propose an effective consideration of the conversions that the outbreak of Covid-19 imposes on future companies.

The topics are closely related to #ClimateChange, pivotal theme of the Geco2 project. To

participate register here: events.iamb.it

TWITTER

Within [@GECO2eu](https://twitter.com/GECO2eu) [@ItalyCroatia](https://twitter.com/ItalyCroatia)

🎯 Objective: explain through an innovative and clear way, the issues of the #GreenDeal and propose an effective consideration of the conversions that the outbreak of #COVID19 imposes on future companies.

Register here: events.iamb.it

TRAINING SESSION N. 1 Marche Region

March 13, 2020

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|--|--------------|---------------------------|
| Version: | Final | Date: | September 22, 2020 |
| Type: | Report | | |
| Availability: | Public | | |
| Responsible Partner: | Marche Region | | |
| Editor: | Andrea Carosi, Eleonora Maldini | | |
| Contributors: | Mauro Tiberi, Andrea Fattorini, Lucia Catalani, Maddalena Peroni | | |

PART 1: EXECUTIVE SUMMARY

The 1st training course has been organized by Marche Region - Agri-Food Policy Department through on the 13th March 2020, involving Marche Region staff and external experts and addressing public authorities (local/regional), agricultural sector (associations, private companies, NGOs), science and research sector.

This training course was shaped to:

- Collect at national and international level the existing scientific and economic materials on project issues, such as existing sustainable practices for recover soil, reduce climate risks and increase carbon stocked, sharing and building knowledge with the target groups involved.
- Analyse inputs from farming, agriculture soil science and risk reduction experiences at regional and local level.
- Educate and inform project partners' staff and consultants, stakeholders, involved professionals, through communication, information, training sessions and orientation units, introducing the principles of carbon cycle, carbon market and sustainable agriculture, methods to decrease climate risk and improve carbon storage in soil, carbon pricing and carbon market functioning system.

Agenda and expert speakers of the Training course "*Climate change and adaptation strategies for agricultural sector in Marche Region*", held on-line on the 13th March 2020:

- Danilo TOGNETTI (ASSAM - Agrometeorological Service of Marche Region) - The Marche Region's Agrometeorological Network and Agrometeorology as a tool for climate analysis.
- Stefano LEONESI (ASSAM - Agrometeorological Service of Marche Region) - The climate crisis. Regional focus and adaptation strategies.
- Angela SANCHIONI (ASSAM - Agrometeorological Service of Marche Region) - Active services and sectors of interest in the agricultural field.

The workshop was attended by n. 101 attendees (n.1225 total invitations).

The workshops' materials (ppt) are at the link https://www.regione.marche.it/Regione-Utile/Agricoltura-Sviluppo-Rurale-e-Pesca/Progetti-di-Cooperazione#19680_Marzo-2020

Lessons learned

Climate Change can be measured and quantified through the analysis of daily data and variability about climatological variables, such as temperature and precipitation amount. The statistical analysis of meteorological data describes the climatic features for a specific area, and they can be developed at different levels (global, regional and local). The analysis of temperature and precipitation changes shows strong link between the global warming and the national/regional farming system.

The data and analysis showed have indirectly demonstrated the importance of a constant meteorological survey service, in order to progressively improve the level of knowledge and the quality of management of human activities. The knowledge of meteorology and climatology is useful to identify strategies for the climate change mitigation/adaptation.

Through the management at local level of a network of stations for monitoring the main meteorological parameters, it is possible to guarantee direct services to farmers and agricultural companies, using the Agrometeorological Newsletters, containing detailed info and recommendations on agricultural practices.

Focus on soil definition: *“open system where biosphere, lithosphere, atmosphere and hydrosphere interact”*. Several information about components determining soil formation and development has been shared, with particular reference to the carbon cycle, the organic substance and its transformation into mineral elements.

As there are possibilities, carrying out specific measurements and deeply knowing soils parameters seems to be not enough: verifying the conservation of soil functional characteristics is an essential activity to develop. The workshop demonstrated how it is possible to identify the soil functionality through the elaboration of specific indicators (indicators of functionality), highlighting the importance of constant monitoring.

PART 2 : ANNEXES

Workshop 1: “Cambiamenti climatici e strategie di adattamento nel settore agricolo delle MARCHE” – 13 March 2020

Agenda



PROGETTO GECO2 Workshop formativo

Cambiamenti climatici e strategie di adattamento e
mitigazione nel settore agricolo delle Marche

On-line
Venerdì 13 marzo 2020

Agenda

9:30 Saluti e introduzione dei lavori - Andrea BORDONI, Direttore Assam (Agenzia Servizi Settore Agroalimentare delle Marche)

10:00 La rete Agrometeo delle Marche e L'Agrometeorologia come strumento di analisi climatica – Danilo TOGNETTI, Servizio Agrometeorologico ASSAM Agenzia Servizi Settore Agroalimentare delle Marche

10:50 La crisi climatica, focus regionale e strategie di adattamento – Stefano LEONESI, Servizio Agrometeorologico ASSAM Agenzia Servizi Settore Agroalimentare delle Marche

11:40 Servizi attivi e settori d'interesse nel campo agricolo - Angela SANCHIONI, Servizio Agrometeorologico ASSAM Agenzia Servizi Settore Agroalimentare delle Marche

12:30 Interventi programmati e discussione

12:00 Conclusioni

Un seminario divulgativo organizzato da Regione Marche nell'ambito del progetto **Interreg Italia-Croazia GECO2** (www.italy-croatia.eu/geco2).

TRAINING SESSION N. 2 Marche Region

March 20, 2020

THEMATIC WORKSHOPS IN MARCHE REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|--|--------------|---------------------------|
| Version: | Final | Date: | September 22, 2020 |
| Type: | Report | | |
| Availability: | Public | | |
| Responsible Partner: | Marche Region | | |
| Editor: | Andrea Carosi, Eleonora Maldini | | |
| Contributors: | Mauro Tiberi, Andrea Fattorini, Lucia Catalani, Maddalena Peroni | | |

PART 1: EXECUTIVE SUMMARY

The 2st training course has been organized by Marche Region - Agri-Food Policy Department on the 20th March 2020, involving Marche Region staff and external experts and addressing public authorities (local/regional), agricultural sector (associations, private companies, NGOs), science and research sector.

This training course was shaped to:

- Collect at national and international level the existing scientific and economic materials on project issues, such as existing sustainable practices for recover soil, reduce climate risks and increase carbon stocked, sharing and building knowledge with the target groups involved.
- Analyse inputs from farming, agriculture soil science and risk reduction experiences at regional and local level.
- Educate and inform project partners' staff and consultants, stakeholders, involved professionals, through communication, information, training sessions and orientation units, introducing the principles of carbon cycle, carbon market and sustainable agriculture, methods to decrease climate risk and improve carbon storage in soil, carbon pricing and carbon market functioning system.

Agenda and expert speakers of the Training course *"The European climate policy for agriculture and forestry and the opportunities for companies to reduce emissions: the environmental certification and the voluntary carbon credit market. State of the art and further development"*, held on-line on the 20th March 2020:

- Mauro TIBERI, Giovanni CIABOCCO, Cristina BERNACCONI (Marche Region, Agri-Food Policy Department) - Regional experiences for carbon stock calculation activities at different scales: Soil Organic Carbon Map (GSP-FAO); Soil Sampling Protocol to Certify the Changes of Organic Carbon Stock in Mineral Soils of European Union (JRC 2007); SIAS Project, Development of Environmental Soil Indicators (ISPRA - Rome).
- Silvia CODERONI (Alessandro Bartola Association, Studies and research on Agricultural Economy and Policy) - The European climate policy for the agricultural and forestry sector and the opportunities for private companies: environmental certification and voluntary carbon credit market. State of the art and further development.

The workshop was attended by n. 84 attendees (n.1248 total invitations).

The workshops' materials (ppt) are at the link https://www.regione.marche.it/Regione-Utile/Agricoltura-Sviluppo-Rurale-e-Pesca/Progetti-di-Cooperazione#19680_Marzo-2020

1. Lessons learned

Soil resource, as well the meteorological parameters, needs to be measured and known in order to understand the effects of climate change for its proper and effectively strategic planning and management. Several official methodologies for measuring, downscaling, interpretation and dissemination of results are freely available. Monitoring soil parameters is useful to define intrinsic

soil properties, according to different environmental conditions and properties, and to monitor changes for soil functionality, ecology and production. The workshop highlighted the opportunities to guarantee support services for a successful and sustainable “soil management” at local level. Agriculture sector and farmers play a double role on climate change adaptation and mitigation action: food producers and soil carbon stocking managers (balancing the carbon dioxide emissions produced). This virtuous and strategic role can be economically quantified, creating opportunities for sustainable farmers to get payments for the collective service guaranteed.

Finally, the workshops shared info about international agreements and national/EU law system for the implementation of a carbon credit market.

PART 2 : ANNEXES

Workshop 2: “The European climate policy for agriculture and forestry and the opportunities for companies to reduce emissions: the environmental certification and the voluntary carbon credit market. State of the art and further development” – 20 March 2020

AGENDA



PROGETTO GECO2 Workshop formativo

La politica climatica europea per il settore agricolo e forestale e le possibilità di valorizzazione per le imprese dell’impegno alla riduzione delle emissioni: le certificazioni ambientali e il mercato volontario dei crediti di carbonio.

Stato dell’arte e prospettive

On-line
Venerdì 20 marzo 2020

European Regional Development Fund

www.italy-croatia.eu/geco2



Agenda

9:30 Saluti e introduzione dei lavori - Andrea BORDONI, Dirigente Servizio Politiche agroalimentari Regione Marche

10:00 Esperienze regionali per attività di calcolo del Carbon stock a diverse scale: Soil Organic Carbon Map (GSP-FAO); Soil Sampling Protocol to Certify the Changes of Organic Carbon Stock in Mineral Soils Of European Union (IRC 2007); Progetto SIAS-Sviluppo Indicatori Ambientali sul Suolo (ISPRA - Roma) – Mauro TIBERI, Giovanni CIABOCCO e Cristina BERNACCONI, Monitoraggio Suoli Servizio Politiche agroalimentari Regione Marche

11:00 La politica climatica europea per il settore agricolo e forestale e le possibilità di valorizzazione per le imprese dell’impegno alla riduzione delle emissioni: le certificazioni ambientali e il mercato volontario dei crediti di carbonio. Stato dell’arte e prospettive – Silvia CODERONI, Associazione Alessandro Bartola Studi e Ricerche di Economia e Politica Agraria

12:30 Interventi programmati e discussione

12:00 Conclusioni

Un seminario divulgativo organizzato da Regione Marche nell’ambito del progetto Interreg Italia-Croazia GECO2 (www.italy-croatia.eu/geco2)

European Regional Development Fund

1

TRAINING SESSION N. 3 Marche Region

March 27, 2020

THEMATIC WORKSHOPS IN MARCHE REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|--|--------------|---------------------------|
| Version: | Final | Date: | September 22, 2020 |
| Type: | Report | | |
| Availability: | Public | | |
| Responsible Partner: | Marche Region | | |
| Editor: | Andrea Carosi, Eleonora Maldini | | |
| Contributors: | Mauro Tiberi, Andrea Fattorini, Lucia Catalani, Maddalena Peroni | | |

PART 1: EXECUTIVE SUMMARY

The 3rd training course has been organized by Marche Region - Agri-Food Policy Department on the 27th March 2020, involving Marche Region staff and external experts and addressing public authorities (local/regional), agricultural sector (associations, private companies, NGOs), science and research sector.

This training course was shaped to:

- Collect at national and international level the existing scientific and economic materials on project issues, such as existing sustainable practices for recover soil, reduce climate risks and increase carbon stocked, sharing and building knowledge with the target groups involved.
- Analyse inputs from farming, agriculture soil science and risk reduction experiences at regional and local level.
- Educate and inform project partners' staff and consultants, stakeholders, involved professionals, through communication, information, training sessions and orientation units, introducing the principles of carbon cycle, carbon market and sustainable agriculture, methods to decrease climate risk and improve carbon storage in soil, carbon pricing and carbon market functioning system.

Agenda and expert speakers of the Training course *"Use of organic matrices in agriculture and soil functionality. Role of the carbon cycle in agricultural practices for maintaining fixation capabilities"*, held on-line on the 27th March 2020:

- Gilberto BRAGATO (CREA – Research Centre on Agriculture and Environment) - Pedogenesis and carbon cycle.
- Flavio FORNASIER (CREA – Research Centre on Agriculture and Environment) - Indicators for soil functionality.
- Mauro TIBERI, Giovanni CIABOCCO, Cristina BERNACCONI (Marche Region, Agri-Food Policy Department) – Marche Region experience: testing of the software Carbon calculator, Certification of Low Carbon Farming Practices JRC Technical Report 2013.

The workshop was attended by n. 88 attendees (n.1250 total invitations). The workshops' materials (ppt) are at the link [https://www.regione.marche.it/Regione-](https://www.regione.marche.it/Regione-Utile/Agricoltura-Sviluppo-Rurale-e-Pesca/Progetti-di-Cooperazione#19680_Marzo-2020)

[Utile/Agricoltura-Sviluppo-Rurale-e-Pesca/Progetti-di-Cooperazione#19680_Marzo-2020](https://www.regione.marche.it/Regione-Utile/Agricoltura-Sviluppo-Rurale-e-Pesca/Progetti-di-Cooperazione#19680_Marzo-2020)

Lessons learned

Focus on soil definition: *"open system where biosphere, lithosphere, atmosphere and hydrosphere interact"*. Several information about components determining soil formation and development has been shared, with particular reference to the carbon cycle, the organic substance and its transformation into mineral elements.

As there are possibilities, carrying out specific measurements and deeply knowing soils parameters seems to be not enough: verifying the conservation of soil functional characteristics is an essential activity to develop. The workshop demonstrated how it is possible to identify the soil functionality through the elaboration of specific indicators (indicators of functionality), highlighting the importance of constant monitoring.

PART 2: ANNEXES

Workshop 3: “Use of organic matrices in agriculture and soil functionality. Role of the carbon cycle in agricultural practices for maintaining fixation capabilities” - 27 March 2020

Agenda



PROGETTO GECO2 Workshop formativo

Uso di matrici organiche in agricoltura e funzionalità dei suoli, il ruolo del ciclo del Carbonio nelle pratiche di coltivazione per il mantenimento delle capacità di fissazione del CO2

On-line
Venerdì 27 marzo 2020

European Regional Development Fund

www.italy-croatia.eu/geco2

Agenda

- 9:30 Saluti e introduzione dei lavori - Andrea BORDONI, Dirigente Servizio Politiche agroalimentari Regione Marche
- 10:00 La pedogenesi ed il ciclo del Carbonio – Gilberto BRAGATO, CREA - Centro di ricerca Agricoltura e Ambiente
- 11:00 Indicatori di funzionalità del suolo – Flavio FORNASIER, CREA - Centro di ricerca Agricoltura e Ambiente
- 12:00 Esperienza nella regione marche, test del Carbon calculator, Certification of Low Carbon Farming Practices JRC Technical Report 2013 – Mauro TIBERI, Giovanni CIABOCCO e Cristina BERNACCONI, Monitoraggio Suoli Servizio Politiche agroalimentari Regione Marche
- 12:30 Interventi programmati e discussione
- 12:00 Conclusioni

Un seminario divulgativo organizzato da Regione Marche nell'ambito del progetto Interreg Italia-Croazia GECO2 (www.italy-croatia.eu/geco2).

European Regional Development Fund

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TRAINING SESSION N. 1 Split

February 25, 2020

THEMATIC WORKSHOPS IN CROATIA REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|-------------------|--------------|----------------------|
| Version: | Final | Date: | JUNE 29, 2022 |
| Type: | Report | | |
| Availability: | Public | | |
| Responsible Partner: | JU RERA SD | | |
| Editor: | Ivan Jakelic | | |
| Contributors: | | | |

Minutes:

As part of the GECO2 project implementation by JU RERA SD, the **first** of three online trainings was held as part of WP3- **Act. 3.2 Training activities**.

Ivan Jakelic, Communication Manager presented the GECO2 project to the attendees of the three webinars/online trainings. He presented the purpose of the Project, as well as the benefits of establishing and entering potential participant sin the voluntary carbon market.

Through the three online training sessions which were held, all attendees got a better insight into the importance of climate change that requires attention and involvement of all stakeholders, farmers, public sector, economy sector and policy makers on a local, regional and national level.

Split, 17. veljače 2020.

Poštovani,

pozivamo Vas na radionicu kao drugi dio obuke u sklopu

projekta **CIRCE2020 i GECO2**

(Expansion of the CIRcular Economy concept in the Central Europe local productive districts)
(Green Economy and CO2)

u utorak 25. veljače 2020. u 9:00 sati u Županijskoj komori Split (Vijećnica I. kat)

Javna ustanova RERA S.D. u suradnji sa Županijskom komorom Split organizira radionicu kako bi gospodarstvenike i ostale dionike informirala i educirala o kružnom gospodarstvu kao ekonomskom modelu koji osigurava održivo gospodarenje resursima i produžavanje životnog vijeka materijala i proizvoda.

Također će biti i predstavljen projekt GECO2 koji se pridružuje borbi protiv klimatskih promjena razvijajući nove poljoprivredne i industrijske model. Cilj projekta je uspostava regionalnih centara za promatranje klimatskih promjena kao i predstavljanje hrvatskim i talijanskim tvrtkama novog dobrovoljnog tržišta ugljika kroz ekonomsku valorizaciju poljoprivrednih praksa.

U očekivanju Vašeg dolaska srdačno Vas pozdravljamo.

Predsjednik
Joze Tomaš

AGENDA

25. veljače 2020.
Županijska komora Split, Vijećnica, I. kat

Dnevni red

| RASPORED | TEMA | PREDAVAČ | ORGANIZACIJA |
|---------------|---|---|--|
| 09:00 – 09:15 | Uvodni pozdrav | Predstavnici javne ustanove RERA SD i Županijske komore Split | |
| 09:15 – 09:30 | Novosti u Sekciji Zajednice za zaštitu okoliša u gospodarstvu Županijske komore Split | doc. dr. sc. Merica Pletikosić | Cemex Hrvatska d.d., Kaštel Sućurac |
| 09:30 – 10:00 | Kružna ekonomija u gospodarenju otpadom - Izazovi i perspektive | doc. dr. sc. Ivo Andrić | Sveučilište u Splitu, Fakultet građevinarstva, arhitekture i geodezije |
| 10:00 – 10:30 | LCA&LCC alati projekta CIRCE2020 na primjeru komine od masline | Ivona Jerkan | Čistoća Cetinske krajine d.o.o., Sinj |
| 10:30 – 11:00 | Prezentacija projekta GECO2 | Ivan Jakelić | JU RERA S.D |
| 11:00 – 11:30 | Rasprava | Moderator doc. dr. sc. Ivo Andrić | Sveučilište u Splitu, Fakultet građevinarstva, arhitekture i geodezije |
| 11:30 – 12:30 | Domjenak/Individualna savjetovanja | | |

PHOTOS:





TRAINING SESSION N. 2 Split

February 24, 2020

THEMATIC WORKSHOPS IN CROATIA REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|-------------------|--------------|----------------------|
| Version: | Final | Date: | JUNE 29, 2022 |
| Type: | Report | | |
| Availability: | Public | | |
| Responsible Partner: | JU RERA SD | | |
| Editor: | Ivan Jakelic | | |
| Contributors: | | | |

Sinj, 24. veljače 2020.

Poštovani,

pozivamo Vas na radionicu kao dio obuke u sklopu

projekta **CIRCE2020 i GECO2**

(Expansion of the CIRcular Economy concept in the Central Europe local productive districts)

(Green Economy and CO2)

u srijedu 26. veljače 2020. u 11:00 sati u Restoranu Osmina (Jabuka 0, 21240 Trilj)

Tvrtka Čistoća Cetinske krajine d.o.o. iz Sinja i Javna ustanova RERA S.D. za koordinaciju i razvoj Splitsko-dalmatinske županije partneri su na projektu CIRCE2020 čiji je cilj širenje i poticanje koncepta kružnog gospodarstva u pet industrijskih pilot područja svake od zemalja partnera, Italijom, Austrijom, Mađarskom i Poljskom.

Također će biti i predstavljen projekt GECO2 koji se pridružuje borbi protiv klimatskih promjena razvijajući nove poljoprivredne i industrijske model. Cilj projekta je uspostava regionalnih centara za promatranje klimatskih promjena kao i predstavljanje hrvatskim i talijanskim tvrtkama novog dobrovoljnog tržišta ugljika kroz ekonomsku valorizaciju poljoprivrednih praksa.

U očekivanju Vašeg dolaska srdačno Vas pozdravljamo.

ČISTOĆA CETINSKE KRAJINE d.o.o.
Djelatnici odjela za razvoj i EU fondove

26. veljače 2020, Trilj

Dnevni red

| Raspored | Tema | Predavač | Organizacija |
|---------------|--|--|---------------------------------|
| 11:00 - 11:15 | Uvodni pozdrav | Predstavnici ČISTOĆE CETINSKE KRAJINE d.o.o. | |
| 11:15 - 11:30 | CIRCE2020 - predstavljanje projekta i njegovih ciljeva | Zdravka Romac | ČISTOĆA CETINSKE KRAJINE d.o.o. |
| 11:30 - 11:45 | Poslovni model projekta CIRCE2020 | Ivo Benzon | Javna ustanova RERA S.D. |
| 11:45 - 12:00 | Prezentacija projekta GECO2 - promocija ekološke poljoprivrede | Ivan Jakelić | Javna ustanova RERA S.D. |
| 12:00 - 12:30 | Rasprava | Moderatori Ivona Jerkan i Zdravka Romac | ČISTOĆA CETINSKE KRAJINE d.o.o. |
| 12:30 - 13:00 | Domjenak/Individualna savjetovanja | | |

MINUTES

As part of the GECO2 project implementation by JU RERA SD, the **first** of three online trainings were held as part of WP3- **Act. 3.2 Training activities**.

Ivan Jakelic, Communication Manager presented the GECO2 project to the attendees of the three webinars/online trainings. He presented the purpose of the Project, as well as the benefits of establishing and entering potential participants in the voluntary carbon market.

Through the three online training sessions which were held, all attendees got a better insight into the importance of climate change that requires attention and involvement of all stakeholders, farmers, public sector, economy sector and policy makers on a local, regional, and national level.

TRAINING SESSION N. 3 Split

December 7, 2020

THEMATIC WORKSHOPS IN CROATIA REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

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|-----------------------------|-------------------|--------------|----------------------|
| Version: | Final | Date: | JUNE 29, 2022 |
| Type: | Report | | |
| Availability: | Public | | |
| Responsible Partner: | JU RERA SD | | |
| Editor: | Ivan Jakelic | | |
| Contributors: | | | |

Minutes:

As part of the GECO2 project implementation by JU RERA SD, the **first** of three online trainings was held as part of WP3- **Act. 3.2 Training activities**.

Ivan Jakelic, Communication Manager presented the GECO2 project to the attendees of the three webinars/online trainings. He presented the purpose of the Project, as well as the benefits of establishing and entering potential participants in the voluntary carbon market.

Frane Strikić, scientific member on the GECO2 project presented the following topics to the attendees: impact of climate change on the environment, the influence of agriculture and new technologies in agriculture, development of the carbon market, circular economy and finally expected results of the GECO2 project and further steps of action.

Through the three online training sessions which were held, all attendees got a better insight into the importance of climate change that requires attention and involvement of all stakeholders, farmers, public sector, economy sector and policy makers on a local, regional, and national level.

ATTACHMENTS: INVITATIONS AND AGENDA, PHOTOS



Ponedjeljak 07.12.2020 u 10:00h sati.

Dnevni red:

- | | |
|---------------|--|
| 10:00 - 10:15 | Ivan Jakelić „prezentacija GECO2 projekta“. |
| 10:15 - 10:45 | Doc. Vedran Poljak „Klimatske promjene u 21 stoljeću“. |
| 10:45 - 11:15 | Prof. Frane Strikić „Utjecaj klimatskih promjena na maslinarstvo“. |



TRAINING SESSION N. 1 Zadar

May 9, 2020

THEMATIC WORKSHOPS IN CROATIA REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|---------------|--------------|----------------------|
| Version: | Final | Date: | JUNE 20, 2022 |
| Type: | Report | | |
| Availability: | Confidential | | |
| Responsible Partner: | AGRRA | | |
| Editor: | Ivana Delic | | |
| Contributors: | | | |

MINUTES

As part of the GECO2 project implementation by Zadar County Rural Development Agency, the **first** of three online trainings was held as part of WP3- **Act. 3.2 Training activities**.

The first online training was intended for farmers and held on May 9, 2020. 30 farmers attended the webinar.

Ivana Dević, Project Manager and Deputy Director of AGRRRA presented the GECO2 project to the attendees of the three webinars/online trainings. She presented the purpose of the Project, as well as the benefits of establishing and entering potential participants in the voluntary carbon market.

Josip Ražov, external expert on the GECO2 project presented the following topics to the attendees: impact of climate change on the environment, the influence of agriculture and new technologies in agriculture, development of the carbon market, circular economy and finally expected results of the GECO2 project and further steps of action.

Through the three online training sessions which were held, all attendees got a better insight into the importance of climate change that requires attention and involvement of all stakeholders, farmers, public sector, economy sector and policy makers on a local, regional and national level.

ATTACHMENTS: INVITATIONS AND AGENDA, PHOTOS



Training for farmers

**GECO2 - Green Economy
and CO2**

Agenda

09.05.2020.

09. May 2020.

Online training for farmers via the Zoom application at the link

<https://zoom.us/j/97667070255?pwd=cEdScUVDZWIKbzFTNmpTb3EwNWtdz09>

Meeting ID: 976 6707 0255
Password: 692984

20:00h Green Economy and CO2

- 20:00 Basic Information about GECO2 project
- 20:15 Climate changes
- 20:30 The influence of agriculture, new technologies
- 20:45 The development of carbon market
- 21:00 Circular economy
- 21:15 GECO2 expected results and suggestions

European Regional Development Fund

Utorak, 12. svibnja 2020. Zadarski kurir 11

ČINSKOM GOSPODARSTVU

... koji su...
... koji su...
... koji su...

ACRRA održala radionicu za poljoprivrednike



Učesnici su se bavili...
... na temu...

Projekt GECO2 predstavlja tržište ugljika

Edukacija poljoprivrednika, poduzetnika i javnog sektora odvija se u sklopu jednog od radnih paketa projekta Green Economy and CO2 – GECO2, financiranog iz programa Interreg Italija – Hrvatska, ukupne vrijednosti 2.489.237,50 eura, čije je provedba započela 01.01.2019. te traje do 30.06.2021. godine

ZADAR – ACRRA je u srbu...
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... koji su...

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... koji su...
... koji su...



U sklopu projekta održat će se tri radionice

Radionice o stakleničkom plinu
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ZADAR COUNTY RURAL DEVELOPMENT AGENCY

is pleased to invite you to the online training via Zoom application

Green market and voluntary carbon market



WHEN

09.05.2020.
20:00 hours



WHERE

Join Zoom Meeting

<https://zoom.us/j/97667070255?pwd=cEdScUVDZWlKbzFTNmpTb3EwNWdtdz09>

Meeting ID: 976 6707 0255
Password: 692984

20:00 **Green market and voluntary carbon market**

Please, confirm your participation till 08.05.2020. by email ivana.devic@agrra.hr
or mobile phone 099 880 34 82

TRAINING SESSION N. 2 Zadar

May 14, 2020

THEMATIC WORKSHOPS IN CROATIA REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|---------------|--------------|----------------------|
| Version: | Final | Date: | JUNE 20, 2022 |
| Type: | Report | | |
| Availability: | Confidential | | |
| Responsible Partner: | AGRRA | | |
| Editor: | Ivana Devic | | |
| Contributors: | | | |

Minutes

As part of the GECO2 project implementation by Zadar County Rural Development Agency, the **second** of three online trainings was held as part of WP3- **Act. 3.2 Training activities**.

The second online training was intended for public sector and held on May 14, 2020.

Ivana Dević, Project Manager and Deputy Director of AGRRRA presented the GECO2 project to the attendees of the three webinars/online trainings. She presented the purpose of the Project, as well as the benefits of establishing and entering potential participant sin the voluntary carbon market.

Josip Ražov, external expert on the GECO2 project presented the following topics to the attendees: impact of climate change on the enviroment, the influence of agriculture and new tehcnologies in agriculture, development of the carbon market, circular economy and finally expected results of the GECO2 project and further steps of action.

Through the three online training sessions which were held, all attendees got a better insight into the importance of climate change that requires attention and involvement of all stakeholders, farmers, public sector, economy sector and policy makers on a local, regional and national level.

ATTACHMENTS: INVITATIONS AND AGENDA, PHOTOS



Training for public sector

GECO2 - Green Economy and CO2

Agenda

14.05.2020.

14. May 2020.

Online training for public sector via the Zoom application at the

<https://zoom.us/j/99218314342?pwd=SGhEZS9pNkpvU2JQaUhUN2plem1HQ09>

Meeting ID: 993 2726 7567
Password: 398818

09:30h Green Economy and CO2

- 09:30 Basic Information about GECO2 project
- 09:45 Climate changes
- 10:00 The influence of agriculture, new technologies
- 10:15 The development of carbon market
- 10:30 Circular economy
- 10:45 GECO2 expected results and suggestions



ONLINE
TRAINING FOR
PUBLIC SECTOR



ZADAR COUNTY RURAL DEVELOPMENT AGENCY

is pleased to invite you to the online training via Zoom application

Green market and voluntary carbon market



WHEN

14.05.2020.

09:30 hours



WHERE

Join Zoom Meeting

<https://zoom.us/j/99218314342?pwd=SGhEZS9pNkpvU2lQaUhUN2plem1HQOT09>

Meeting ID: 993 2726 7567

Password: 398818

10:30 Green market and voluntary carbon market

Please, confirm your participation till 13.05.2020. by email ivana.devic@agrra.hr
or mobile phone 099 880 34 82

TRAINING SESSION N. 3 Zadar

May 15, 2020

THEMATIC WORKSHOPS IN CROATIA REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|---------------|--------------|----------------------|
| Version: | Final | Date: | JUNE 20, 2022 |
| Type: | Report | | |
| Availability: | Confidential | | |
| Responsible Partner: | AGRRA | | |
| Editor: | Ivana Devic | | |
| Contributors: | | | |

Minutes:

As part of the GECO2 project implementation by Zadar County Rural Development Agency, the **third** of three online trainings was held as part of WP3- **Act. 3.2 Training activities**.

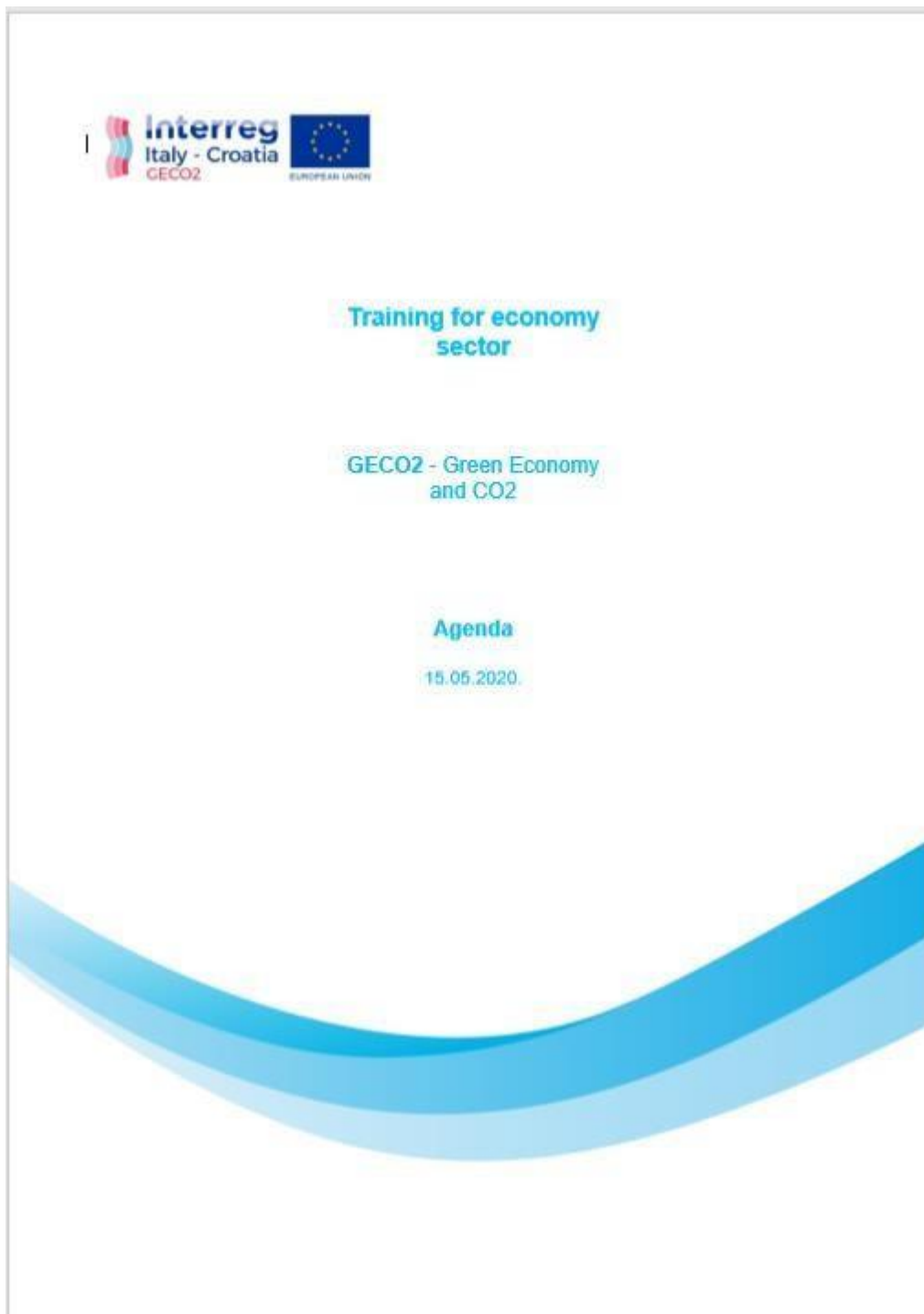
The third online training was intended for economic sector and held on May 15, 2020.

Ivana Dević, Project Manager and Deputy Director of AGRRRA presented the GECO2 project to the attendees of the three webinars/online trainings. She presented the purpose of the Project, as well as the benefits of establishing and entering potential participant sin the voluntary carbon market.

Josip Ražov, external expert on the GECO2 project presented the following topics to the attendees: impact of climate change on the enviroment, the influence of agriculture and new tehнологies in agriculture, development of the carbon market, circular economy and finally expected results of the GECO2 project and further steps of action.

Through the three online training sessions which were held, all attendees got a better insight into the importance of climate change that requires attention and involvement of all stakeholders, farmers, public sector, economy sector and policy makers on a local, regional and national level.

ATTACHMENTS: INVITATIONS AND AGENDA, PHOTOS





15. May 2020.

Online training for economy sector via the Zoom application at the link

<https://zoom.us/j/99327267567?pwd=L2RYZEZqOEdBTHJlcEpBQmNNUjE4yZz09>

Meeting ID: 993 2726 7567
Password: 398818

09:30h Green Economy and CO2

- 09:30 Basic Information about GECO2 project
- 09:45 Climate changes
- 10:00 The influence of agriculture, new technologies
- 10:15 The development of carbon market
- 10:30 Circular economy
- 10:45 GECO2 expected results and suggestions

European Regional Development Fund



ZADAR COUNTY RURAL DEVELOPMENT AGENCY

is pleased to invite you to the online training via Zoom application

Green market and voluntary carbon market



WHEN

15.05.2020.
09:30 hours



WHERE

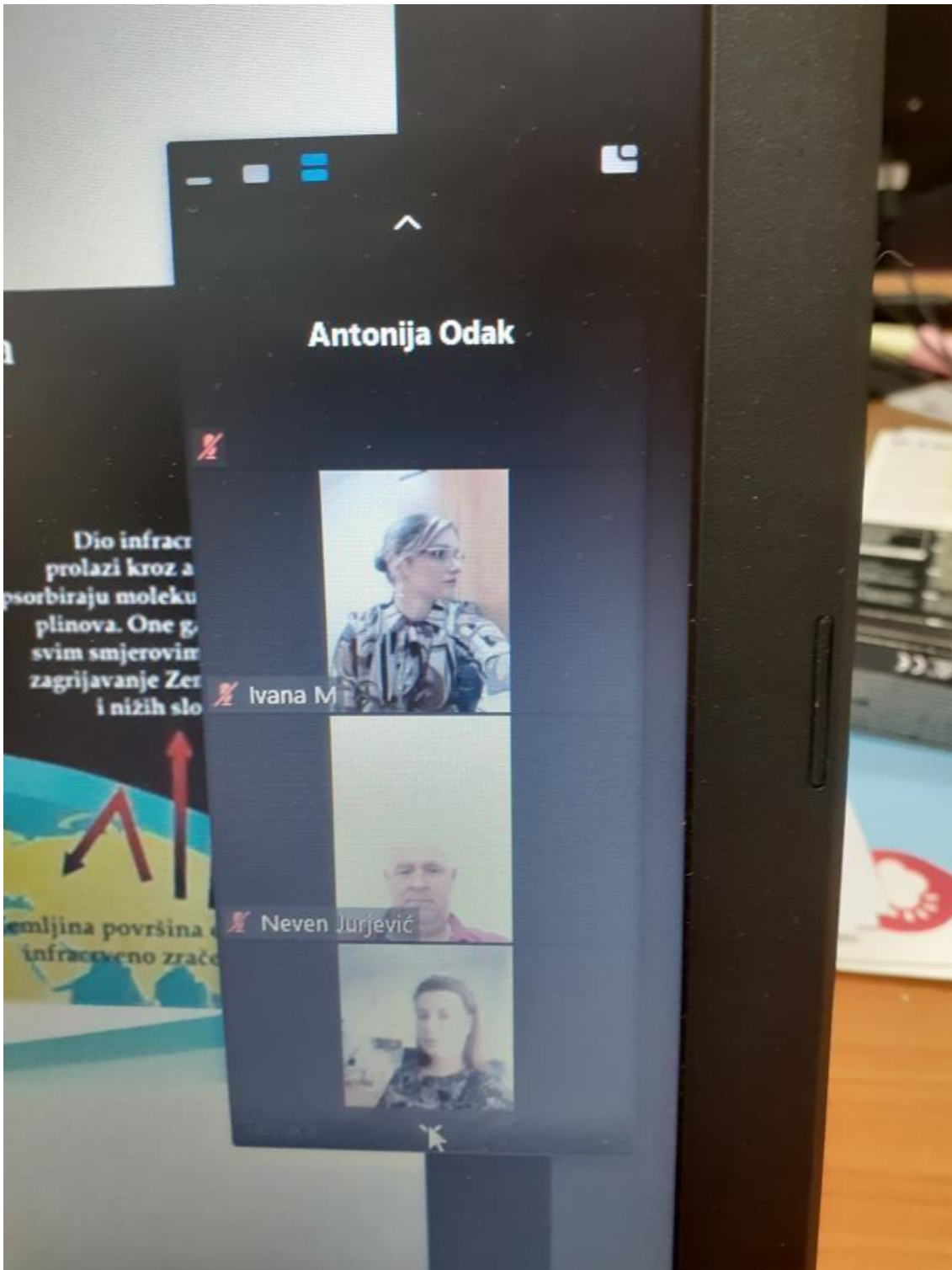
Join Zoom Meeting

<https://zoom.us/j/99327267567?pwd=L2RYZEZqOEdBTHJlcEpBQmNMUE4yZz09>

Meeting ID: 993 2726 7567
Password: 398818

09:30 Green market and voluntary carbon market

Please, confirm your participation till 14.05.2020. by email ivana.devic@agrra.hr
or mobile phone 099 880 34 82



TRAINING SESSION N. 1

Dubrovnik

March 4, 2020

THEMATIC WORKSHOPS IN CROATIA REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|---------------------------------|--------------|----------------------|
| Version: | Final | Date: | JULY 14, 2022 |
| Type: | Report | | |
| Availability: | Confidential | | |
| Responsible Partner: | Dubrovnik Nerevta County | | |
| Editor: | Čedo Vučković | | |
| Contributors: | | | |

Minutes:

On 04th of March 2020. Dubrovnik-neretva Region organized I Training session within WP3.2..Training session was organized along With I. Regional Event for Local, regional and national authorities, Regional and local development agencies, farmers and agricultural businesses, press and general public.

The main goal was an introduction of GECO2 project, its importance and possible benefits to farmers and local community related to project implementation.

The topics of the Training session were:

1. Ecological systems and relationship with agriculture
2. Smart agriculture practices and protocols related to GECO2 goals.

These topics were important and related to project introduction, so our opinion was that it should be good to be held on same day as I. Regional event. Training session was held by Ms. Ana Marušić Lisac from Biotehnicon llc, an expert in the field of organic agriculture. Firm Biotehnicon llc is one of the approved companies that issues certificates in organic farming to farmers in the Republic of Croatia.

Ms. Marušić Lisac informed the participants about the obligations and requirements, as well as European directives and regulations aimed at establishing sustainable competitiveness in order to achieve an economically sustainable food production sector and sustainable management of EU natural resources in which organic production is recognized as a key element.

Good practices in agriculture were presented by two local farmers in organic agriculture, Ms Kladija Krstičević and Mr. Tomo Ostojčić.

PP6 Project manager Čedo Vučković held ppt presentation of GECO2 project.

Deputy Prefect Ms. Žaklina Marević spoke about project implementation importance for Neretva Valley – location for implementation of Pilot activity.

The event was attended by 35 participants, representatives of farmers, the media and public institutions and is was media covered by Radio Delta ltd, whose audio reports are attached to this report.

Radio Delta ltd is the local radio station that we as PP have directly contracted for reporting on events in news programs, audio reports, reporting on station official website and study show at the end of project in purpose of presenting the project results. This radio station covers the population in Neretva Valley, what is important for Pilot action area. This service was additionally contacted in purpose of achieving the goal-reaching AF's target groups (especially farmers) according to the project communication approach.

Here we enclose PP6 official web site follow up of this Training session, as well as other local web sites, that have published the follow up:

<http://www.edubrovnik.org/novosti/u-dolini-neretve-predstavljena-vaznost-ekoloske-poljoprivrede-uz-primjere-opg-ova-s-tog-podrucja/>

<https://www.dubrovnikpress.hr/component/k2/item/37158-u-dolini-neretve-predstavljena-va%C5%BEnost-ekolo%C5%A1ke-poljoprivrede-uz-primjere-opg-ova-s-tog-podru%C4%8Dja.html>

Agenda:

| 1ST TRAINING SESSION OF THE PROJECT GECO2 | |
|---|--|
| 16:15 – 16:20 | Registration of participants |
| 16:20 – 16:25 | Welcome speech- Deputy Prefect Ms. Žaklina Marević |
| 16:25 – 16:35 | Methodology of the project GECO2, <i>Mr. Čedo Vučković</i> |
| 16:35 – 17:40 | Ecological systems and relationship with agriculture, <i>Mrs. Ana Marušić Lisac (Biotechnicon Ilc)</i> |
| 17:40 – 17:45 | Coffee break |
| 17:45 – 19:00 | Smart agriculture practices and protocols with reference to GECO2 goals, <i>Mrs. Ana Marušić Lisac (Biotechnicon Ilc)</i> |
| 19:00 – 19:15 | Light dinner |
| 19:15 – 20:10 | Smart agriculture practices and protocols with reference to GECO2 goals, <i>Mrs. Ana Marušić Lisac (Biotechnicon Ilc)</i> |
| 20:10 – 20:35 | Discussion and wrap up |

TRAINING SESSION N. 2

Dubrovnik

July 22, 2020

THEMATIC WORKSHOPS IN CROATIA REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

| | | | |
|-----------------------------|---------------------------------|--------------|-------------------------|
| Version: | Final | Date: | JUANARY 28, 2021 |
| Type: | Report | | |
| Availability: | Confidential | | |
| Responsible Partner: | Dubrovnik Nerevta County | | |
| Editor: | Čedo Vučković | | |
| Contributors: | | | |

AGENDA

| 2nd TRAINING SESSION OF THE PROJECT GECO2 | |
|---|---|
| 16:30 – 16:35 | Registration of participants |
| 16:35 – 16:40 | Welcome speech |
| 16:40 – 16:50 | Methodology of the project GECO2, <i>Mr. Ante Salacan (Dubrovnik-Neretva County)</i> |
| 16:50 – 17:00 | Creation of promotional logo, <i>Mrs. Antonija Odak (Regional Agency DUNEA)</i> |
| 17:00 – 18:30 | Ecolabelling creation, <i>Mrs. Ana Marušić Lisac (Biotechnicon Ilc)</i> |
| 18:30 – 18:35 | Coffee break |
| 18:35 – 19:30 | Management of promotional logo and ecological quality label, <i>Mrs. Ana Marušić Lisac (Biotechnicon Ilc)</i> |
| 19:30 – 19:45 | Light dinner |
| 19:45 – 20:45 | Ecological quality label and the benefits of local production and consumption, <i>Mrs. Ana Marušić Lisac (Biotechnicon Ilc)</i> |
| 20:45 – 21:00 | Discussion and wrap up |

MINUTES

On 22nd of July 2020. Dubrovnik-Neretva Region organized II. Training session within WP3.2.. Training session was organized COVID -19 pandemic time, so the number of participants were limited. Training session was intended for farmers, consultants, companies in agriculture and ecology, local institutions....

The main goal of this Training session is to raise awareness of the importance of combating climate change and an introduction to the preliminary activities of the Pilot phase of the project.

The topics of II. Training session were:

1. Creation of promotional logo
2. Ecolabelling creation
3. Management of promotional logo and ecological quality label,
4. Ecological quality label and benefits of local production and consumption.

First topic was presented by Ms Antonija Odak from RRA DUNEA ltd, who is technical assistance on the project. On the example of "Neretva Mandarin" brand, Ms. Odak spoke about strengthening the business, gaining the trust of customers and how to leave a mark on the market. Speaking on brand building she pointed out 4 branding phases: market analysis, brand building, verbal identity and visual identity.

Other topics were presented by Ms. Ana Marušić Lisac from Biotehnicon llc. All about Ms. Marušić Lisac and firm Biotehnicon ltd, we said in I. Training session Report.

Ms. Ana Marušić Lisac spoke about the creation of eco-labels, conventional agriculture vs. organic farming, the benefits of local production and consumption and labeling of organic products. She also spoke about benefits for producers and local community.

Among other, Ms. Lisac pointed out that "Neretva Mandarin" is a product of great trade potential, a product that has a future and that we should continue to invest in local production. The labeling and certification of this high-value product is very important in order for the product to be recognized and protected on the market. In the end customer gets a guarantee of buying a quality product from controlled breeding, and the manufacturer gets the security of product placement and the ability to achieve a better price. She also reminded of the protected designation of origin "Neretva Mandarin", with which the mandarin joined the impressive list of Croatian products entered in the register of protected designations of origin.

The event was attended by 22 participants, representatives of farmers, companies, the media and public institutions. Training session was media covered by Radio Delta ltd, whose audio reports are attached to this report.

All about the project role of Radio Delta ltd. In GECO2 project we explained in the I. Training session Report.

Here we enclose PP6 official web site follow up of this Training session, as well as other local web sites, that have published the follow up:

<http://www.edubrovnik.org/novosti/u-dolini-neretve-predstavljena-vaznost-ekoloske-poljoprivrede-uz-primjere-opg-ova-s-tog-podrucja/>

<https://radiodelta.hr/2020/03/06/u-opuzenu-predstavljena-vaznost-ekoloske-poljoprivrede-uz-primjere-opg-ova-s-tog-podrucja/>

<https://www.dunea.hr/novosti/914-u-dolini-neretve-predstavljena-vaznost-ekoloske-poljoprivrede-uz-primjere-opg-ova-s-tog-podrucja>

<https://www.dubrovnikpress.hr/component/k2/item/37158-u-dolini-neretve-predstavljena-va%C5%BEost-ekolo%C5%A1ke-poljoprivrede-uz-primjere-opg-ova-s-tog-podru%C4%8Dja.html>

TRAINING SESSION N. 3

Dubrovnik

August 13, 2020

THEMATIC WORKSHOPS IN CROATIA REGION – FINAL REPORT

PROJECT GECO2 – Green Economy and CO2

| | |
|----------------------|---|
| Work Package: | 3. Studies and training |
| Activity: | 3.2 Training activities |
| Phase Leader: | CIHEAM Bari |
| Deliverable: | 3.2 Training activities Report n.1 |

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| Editor: | Čedo Vučković | | |
| Contributors: | | | |

AGENDA

| 3rd TRAINING SESSION OF THE PROJECT GECO2 | |
|---|---|
| 10:00 – 10:05 | Registration of participants |
| 10:05 – 10:10 | Welcome speech |
| 10:10 – 10:15 | Methodology of the project GECO2, <i>Mr. Čedo Vučković (Dubrovnik-Neretva County)</i> |
| 10:15 – 11:00 | Sustainable and circular economy: developing voluntary carbon market, <i>Mrs. Antonija Odak (Regional Agency DUNEA)</i> |
| 11:00 – 11:05 | Coffee break |
| 11:05 – 12:00 | Sustainable and circular economy: developing voluntary carbon market, <i>Mrs. Antonija Odak (Regional Agency DUNEA)</i> |
| 12:00 – 12:20 | Light lunch |
| 12:20 – 13:00 | Sustainable and circular economy: developing voluntary carbon market, <i>Mrs. Antonija Odak (Regional Agency DUNEA)</i> |
| 13:00 – 14:00 | Farmers Associations, <i>Mr. Goran Lipavić (Ministry of Agriculture)</i> <i>Mr. Saša Paprika (Ministry of Agriculture)</i> |
| 14:00 – 14:30 | Discussion and wrap up |

MINUTES

On 13rd of August 2020. Dubrovnik-Neretva Region organized III. Training session within WP3.2.. Training session was organized COVID -19 pandemic time, so the number of participants were limited. Training session was intended for consultants, farmers associations, technicians and practitioners in agriculture and ecology fields, policy makers, local governments, and entrepreneurial associations

The main goal of this Training session is to continue raising awareness of combating climate change and an introduction to the preliminary activities of the Pilot phase of the project.

The topics of III. Training session was:

1. Sustainable and circular economy: developing voluntary carbon market,
2. Farmers Associations,
3. First topic was presented by Ms Antonija Odak from RRA DUNEA ltd, who is technical assistance on the project.
4. In a long presentation by Ms. Odak, among other things, she covered topics on greenhouse gas emissions in Croatia, greenhouse gas emissions in agriculture, measures for low-carbon development of agriculture in Croatia and the development of the voluntary carbon market in the way it is seen by the GECO2 project.
5. For the purpose of introducing the Pilot Activity, Ms. Odak pointed out the innovation that the project brings, the establishment of a "local" platform for credit exchange, the core of the voluntary carbon market from agriculture and all the benefits for farmers who "store" CO2 in the soil, as well as buyers who ultimately buy CO2 credits, reaching by that carbon neutrality of their businesses.
6. In order to achieve greater involvement of farmers in the Pilot Project, and to cover as many hectares of pilot activities, we tried to encourage the association of as many farmers. For this purpose, experts from the Ministry of Agriculture, Mr. Saša Paprika and Goran Lipavić held a presentation on the formation of producer organizations with special emphasis on farmers in the Neretva Valley.
7. The event was attended by 30 participants, representatives of farmers, companies, and public institutions. Training session was media covered by Dubrovački vjesnik ltd , whose newspaper article is attached to this report.
8. Dubrovački vjesnik ltd is the newspaper firm that we as PP have directly contracted for newspaper reporting of events and project activities. This service was additionally contacted in purpose of achieving the goal-reaching AF's target groups (especially farmers) according to the project communication approach, because Dubrovački vjesnik is the only regional newspaper who is publishing in Neretva Valley.
9. Here we enclose PP6 official web site follow up of this Training session, as well as other local web sites, that have published the follow up:
10. <http://www.edubrovnik.org/novosti/odrzana-radionica-proizvodacke-organizacije-od-inicijative-do-trzisne-konkurentnosti/>
11. <https://www.dubrovackamreza.hr/dubrovniknet-rss/radionice-za-poduzetnike-i-obrtnike-u-plocama/>

12. <https://www.dubrovnikinsider.hr/vijesti-zupanija/odrzana-radionica-proizvodacke-organizacije-od-inicijative-do-trzisne-konkurentnosti>
13. <https://www.dunea.hr/novosti/1103-dolina-neretve-odrzana-radionica-o-udruzivanju-poljoprivrednika-u-proizvodacke-organizacije>