



Carbon sequestration from tree plantations of nature restoration projects

Δέσμευση άνθρακα από τις δενδροφυτείες των έργων αποκατάστασης περιβάλλοντος

Final event of COFORMIT Project

COntribution of **FO**Rests to climate change **MIT**igation

Program / Πρόγραμμα

Thursday, 17 February 2022 / Πέμπτη, 17 Φεβρουαρίου 2022

Opening of the conference / Έναρξη του συνεδρίου

10.00-10.30 Welcome session

EU Forest strategy

Chairperson: Kalliopi Radoglou

10.30 – 10.40 Papoulias F.

Restoration and tree planting in the frame of new EU Forest Strategy for biodiversity
Αποκατάσταση και δενδροφυτεύσεις στα πλαίσια της ευρωπαϊκής στρατηγικής για τη βιοποικιλότητα

10.40-11.00 Zerva A.

The new EU Forest Strategy for 2030

Η νέα Στρατηγική της ΕΕ για τα δάση με ορίζοντα το 2030

Session 1: Restoration after disturbances: The case of the lignite center of the Public Power Corporation in Northwestern Greece – more than 40 years of rehabilitation

Chairperson: Christos Roumpos

11.00-11.30 Pavloudakis F., Pagouni C.

Environmental management of surface mining: an R⁶ approach to sustainable development (EN)

11.30-11.50 Karamarkos N.

Rehabilitation plan of the mines of PPC SA

Αποκατάσταση των Ορυχείων της ΔΕΗ ΑΕ (GR)

The last 10 minutes of each presentation will be devoted to discussion

EN/GR: The presentation will be held in Greek with English text

GR: Both the presentation and text in Greek

EN: Both the presentation and text in English

11.50 -12.10 Patmanidi L.

Tree plantations in lignite mines
Δενδροφυτείες σε ορυχεία λιγνίτη (GR)

12.10-12.20 Break

Session 2: The COFORMIT project

Chairperson: Michail Orfanoudakis

12.20-12.50 Radoglou K. et al.

Accomplishment of COFORMIT project “Contribution of the tree planted land of West Macedonia lignite center to protection of environment and to mitigation of climate change”

Ολοκλήρωση του έργου COFORMIT “Συνεισφορά των Δενδροφυτεμένων εκτάσεων του Λιγνιτικού Κέντρου Δυτικής Μακεδονίας στην προστασία του περιβάλλοντος και στον μετριασμό της κλιματικής αλλαγής”(EN/GR)

12.50-13.10 Spyroglou G., Fotelli M., Radoglou K., Tziaferidis S.R., Xanthopoulos G., Tyraidis K., Manolopoulos D.

Estimation of above and below ground biomass distribution using allometric equations in restored open cast coal mines

Εκτίμηση της κατανομής υπέργειας και υπόγειας βιομάζας με χρήση αλλομετρικών εξισώσεων σε αποκατεστημένα ορυχεία λιγνίτη (EN/GR)

13.10-13.40 Fotelli M., Xanthopoulos G., Spyroglou G., Tziaferidis S.R., Derrien D., Radoglou K.

Carbon sequestration in different pools of black locust restoration plantations

Αποθήκευση άνθρακα σε διαφορετικές δεξαμενές φυτειών αποκαταστάσεων με Ψευδακακία (EN/GR)

13.40-14.10 Markos N., Radoglou K.

Assessment and monitoring of carbon flux dynamics for the forest plantations of the Lignite Center of Western Macedonia.

Εκτίμηση και παρακολούθηση της δυναμικής των ροών άνθρακα για τις δενδροφυτείες του Λιγνιτικού Κέντρου Δυτικής Μακεδονίας (EN/GR)

14.10-14.40 Manolopoulos D., Vasileioris K., Milios E., Kitikidou K.

Characteristics of the *Robinia pseudoacacia* plantations in the Lignite Center of Western Macedonia - what should be our goals henceforth?

Χαρακτηριστικά των φυτειών *Robinia pseudoacacia* στο Λιγνιτικό Κέντρο Δυτικής Μακεδονίας - ποιοι θα πρέπει να είναι οι στόχοι μας από δω και πέρα; (EN/GR)

14.40 -15.00 Tsokaridou M., Barbas T., Karamarkos N., Andreadou S., Tentsoglidou M., Papadopoulos X., Tsiotsos E., Pazarka Z., Kontosfyris P., Manolopoulos D.

Formation of a pilot innovative recreation park at the edge of the mining area rehabilitation

Δημιουργία πιλοτικού καινοτόμου πάρκου αναψυχής στο όριο της αποκατάστασης των Ορυχείων (GR)

15.00-15.30 Discussion

The last 10 minutes of each presentation will be devoted to discussion

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Friday, 18 February 2022 / Παρασκευή 18 Φεβρουαρίου 2022

Session 1: Carbon sequestration in planted forests

Chairperson: Mariangela Fotelli

10.00 -10.30 Halley J.

The CO₂ challenge: Previewing the future workload of forests (EN)

10.30 -11.00 Lagomarsino A.

Recovery of degraded coniferous forests to increase carbon sequestration and mitigate climate change: inputs and outputs from soil (EN)

11.00 -11.30 Mazza G., Chiavetta U., Cantiani P. †

The effect of thinning and tree species composition on growth dynamics in a Mediterranean reforestation (EN)

11.30 -12.00 Paletto A., De Meo, I.

Natural Climate Solutions (NCS) to improve the role of plantations in climate change mitigation (EN)

12.00-12.30 Yalin D., Yakir D., Grünzweig J., Qubaja R., Rotenberg E., Müller J.

Carbon below-ground counts: lessons from a forest planted at the dry timberline, Israel (EN)

12.30-12.40 Break

Session 2: Carbon sequestration in natural forests

Chairperson: Kyriaki Kitikidou

12.40 -13.10 Fyllas N., Sazeides C., Christopoulou A.

Measuring and simulating carbon fluxes in Mediterranean pine forests

13.10-13.40 Zianis D.

Tree biomass allometry: theoretical aspects, statistical paradigms and potential ramifications on estimating C sequestration (EN)

13.40 -14.10 Fotelli M., Jaber Y., Tziaferidis S.R., Xanthopoulos G., Radoglou K.

The role of nodules on black locust carbon balance - preliminary results (EN)

14.10-15.00 Discussion

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