

About the project



This project is a cooperation between Croatian Forest Research Institute and Croatian forests Ltd.

The project started on the 12th of March in 2020. and lasts for 36 months (31.31.2023.).



HRVATSKI ŠUMARSKI
INSTITUT
CROATIAN FOREST
RESEARCH INSTITUTE

*If you have any
questions feel free to
contact us.*



Find more information at:

<https://panjace.sumins.hr>



GENERAL PROJECT GOALS:

- Improve forestry activities.
- Help develop rural areas.
- Assist in seeking support from the European Agricultural Fund for Rural Development, improve of ecosystem services.
- Restore natural processes and structure of degraded forests, increase stability, resistance and resilience.
- Increase commercial value in the long run.
- Increase the binding of carbon dioxide and help preserve its existing stocks.

CONTACT:

Martina Đodan, PhD
Croatian Forest Research Institute
Department for Silviculture
Cvjetno naselje 41, HR - 10450 Jastrebarsko
mob: +385 99 471 8411
e-mail: martinat@sumins.hr



Issues of Coppice Management in Forest Administration Gospić



CROATIAN FOREST RESEARCH
INSTITUTE

Made by: Darjan Prugovečki, mag. ing. silv.

Coppice management complexity

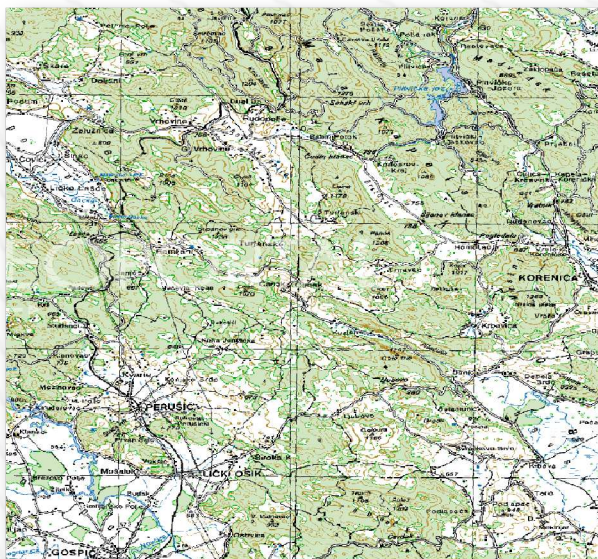
Management of coppice forests in Lika = very complex issue.

In addition to **low financial justification and a lack of resources** (manpower, lack of planting material), the complexity is also increased by **impending threats (climate change)** and the specificity of coppice management in relation to high forests.

Growing need for increasing economic and biological value, but also resilience and resistance to threats.

Growing need for new silvicultural principles and optimization of the technological process.

The initiated scientific and professional activities have an applicable value for the Lika area, but at the same time they **provide insight into the issues of management of other coppices in the Republic of Croatia**.



Area in which field measurements are initiated (Perušić and Korenica forest offices)



MAIN GOALS OF THE PROJECT

(C1) Determine the state of the coppice in the area of FA Gospić.

(C2) Make an analysis of the technological process that is currently applied in the Company - Propose recommendations for the improvement of the management of coppices.

(C3) Determine whether there is a possibility for biological rationalization using natural regeneration, determine the method of conversion itself, and determine the risks and potential of the occurrence of weed species and habitat degradation in the process.

(C4) Reduce financial and biological risks during the technological process.

(C5) Provide a basis for the improvement of the nursery production of seedlings necessary for the conversion of coppices in the area of FA Gospić.

(C6) Provide education for the Company's employees regarding new knowledge and silvicultural principles in plantations, as well as training on the strategy of adaptive forest management in the EU.

(C7) To assist in the performance of the aforementioned operations with highly professional knowledge and to ensure the supervision of the completed works in order to achieve maximum success.

Initiated project activities

Comparison of the condition of Lika's coppices with EU countries: Comparison of management methods and the existing production process in the Company with leading European countries.

Dissemination of results and connection with international terminology and knowledge: Translation of a brochure of European terminology related to coppice management. Active cooperation with colleagues from international scientific institutions.

SWOT analysis: Includes groups of new parameters that will provide an insight into the need and possibility of incorporating new European guidelines into the management of coppices.

Determining the condition of coppices - methods of selection and measurement of trial plots: Establishment of permanently marked trial plots in the Perušić and Korenica forestry area.

Establishment of the database: The database contains basic and additional data for all 3,095 departments.

Improvement of nursery production of seedlings needed for coppice conversion: Planning the production process that will ensure a sufficient amount of quality seedlings of the appropriate type, whose morphological characteristics and age correspond to the selected area.

Possibility of using satellite images: Examining the application of available remote methods for the successful categorization of coppices (uneven-aged structure).

