



## Alps4GreenC Novice | News

April 2023

Aprila 2023 je v Bolzanu, pri projektne partnerju UNIBZ, potekal sestanek projekta Alps4GreenC. Partnerji iz Slovenije, Avstrije in Italije projekt izvajajo v okviru [programa Interreg Alpine Space](#) in pod koordinacijo Kemijskega inštituta ter se osredotočajo na vzpostavitev celovitega okvira za uporabo ostankov biomase za proizvodnjo biooglja na medregionalnem območju.

In April 2023, a meeting of the Alps4GreenC project took place in Bolzano at the Italian partner UNIBZ. Partners from Slovenia, Austria and Italy implement the project within the [Interreg Alpine Space Programme](#) and under the coordination of the National Institute of Chemistry and focus on creating a comprehensive framework for the use of biomass residues for biochar production in the interregional space.



Alps4GreenC partner meeting in April 2023 in Bolzano, Italy.

## IZBRANI BIOMASNI OSTANKI | SELECTED BIOMASS RESIDUES

V Alps4GreenC je načrtovana izraba ostankov biomase kot surovinskega vira za proizvodnjo biooglja. Za izvedbo laboratorijskih in pilotnih raziskav je bila v vseh treh državah izvedena [kampanja zbiranja trdnih ostankov biomase](#) različnih proizvajalcev, ki bi želeli ostanke valorizirati.

Pozivu se je odzvalo skupno **22 organizacij**, 10 iz Italije, osem iz Avstrije in štiri iz Slovenije. Na podlagi določenih karakteristik

The Alps4GreenC uses biomass residues as a raw material source for biochar production. In order to carry out laboratory and pilot studies, [a crowdsourcing campaign](#) was conducted in all three countries [to collect solid biomass residues](#) from producers that would like to valorize the residues.

A total of **22 organisations** responded to the call, ten from Italy, eight from Austria and four from Slovenia. Based on the identified

ostankov biomase sta projektna partnerja UNIBZ in BEST GmbH izbrala surovine, primerne za izvedbo piroliznih oziroma uplinjevalnih postopkov. Izmed slovenskih podjetij sta bila izbrana podjetje Atlantic Droga Kolinska d.o.o., ki želi valorizirati ostanke **kavnih luščin**, ki nastajajo v proizvodnji kave Barcaffè, in podjetje Dravske elektrarne Maribor d.o.o., ki želi valorizirati **naplavljen les**. Ostala izbrana biomasa zajema **ostanke vinske trte, lupine orehov, lesne sekance listopadnih dreves, les iglavcev**, ki so ga napadli lubadarji, **kostanjev les, pirine luščine, leseni ostanki komposta in škrobni ostanki** pri pripravi kosmičev.

V nadaljevanju raziskovalnega dela bo potekala **karakterizacija biomasnih ostankov**, njihova **piroliza oziroma gasifikacija** (UNIBZ in BEST GmbH) ter v zadnji fazi **analiza pridobljenega biooglja**, ki jo bo izvajal **Odsek za katalizo in reakcijsko inženirstvo** Kemijskega inštituta. S tem se bo pridobila ocena potenciala uporabe zelenega biooglja v kmetijstvu.

characteristics of the biomass residues project partners UNIBZ and BEST GmbH selected the raw materials suitable for the pyrolysis or gasification processes of biochar. The selected Slovenian companies were Atlantic Droga Kolinska d.o.o., which wants to valorize **coffee husk residues** from the production of Barcaffè coffee, and Dravske elektrarne Maribor d.o.o., which wants to valorize **floatated wood**. Other selected biomasses include **vine residues, walnut shells, wood chips from broadleaved trees, coniferous wood attacked by bark beetles, chestnut wood, spelt husks, wood residues from compost and starch residues from flakes**.

The research will continue with the **characterization of the biomass residues**, their **pyrolysis or gasification** (UNIBZ and BEST GmbH), and, in the final phase, the **analysis of the produced biochar**, which will be carried out by the **Department of Catalysis and Chemical Reaction Engineering** (National Institute of Chemistry). This will allow an assessment of the potential for the use of green biochar in agriculture.

## PRIHODNJE AKTIVNOSTI | FUTURE ACTIVITIES

- **AIEL** bo kartiral **deležnike**, ki delujejo na področju biooglja v vseh treh državah in jih prikazal na **interaktivni spletni platformi**, kar bo omogočalo povezovanje, izmenjavo znanja in dobrih praks.
- **ŠGZ** bo koordiniral delovno skupino strokovnjakov, ki bo oblikovala priporočila za pripravo ustreznih ukrepov za proizvodnjo in uporabo biooglja. Organizirane bodo delavnice za **oblikovanje političnih priporočil za trajnostno proizvodnjo biooglja v alpski regiji**.
- Januar 2024 - **Zaključna konferenca Alps4GreenC** (Avstrija)
- **AIEL** will map **stakeholders** working in the field of biochar in all three countries, on an **interactive web platform** to enable them to network and share knowledge and best practices.
- **ŠGZ** will coordinate a working group of experts to develop recommendations for appropriate measures for the production and use of biochar. Workshops to develop **policy recommendations for sustainable biochar production in the Alpine region** will be organized.
- January 2024 - **Alps4GreenC Final Conference** (Austria)



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## VEČ O PROJEKTU | MORE ABOUT THE PROJECT



Dr. Jure Voglar o projektu [Alps4GreenC](#) v oddaji Ljudje in zemlja na RTV Slovenija v okviru projekta Zelena kohezija za mlade (od 11:14 min)

Dr. Jure Voglar on the [Alps4GreenC](#) project in Ljudje in zemlja on RTV Slovenia as part of the Green Cohesion for Youth project (from 11:14 min) [>>>](#)





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