

## Retort for the production of barbecue charcoal and biochar from local waste wood



### Olis coal

*Barbecue charcoal often reaches consumers via long transportation routes and from dubious sources. Locally produced charcoal from scrap sawmill or landscape wood would be much more ecological. A small retort with a capacity of 1m<sup>3</sup> of wood and complete exclusion of oxygen can be used to convert local wood into high-quality charcoal. For this purpose, wood cuttings from a local sawmill or poor quality hardwood are manually fed into the retort and converted into coal of the highest quality over 4 - 8 hours. This can generate additional income on a forestry operation or a part-time farm and also reduce the burden on the environment. The waste heat can be used via a heat exchanger to heat living space or for drying processes, e.g. in the timber industry.*

In 2018, Oliver Reinhard, a young forest science student, discovered that most barbecue charcoal bought in Switzerland comes from faraway countries such as Poland or Namibia.

The sources are often obscure and the quality inferior, meaning that a lot of smoke and harmful exhaust gases are produced during combustion.

Oliver has solved the problem by producing his own charcoal from waste from a neighboring sawmill and using a retort with complete exclusion of oxygen.

This locally produced barbecue charcoal sells well to sustainability-conscious customers and barbecue professionals.

## DETALJER

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### OPPRINNELSE FOR TRE

Industri

### TYPE TRE

Returtre eller avfallstre

### TYPE TRE INVOLVERT

Residual and waste wood

### PÅVIRKNING PÅ MILJØ OG BIOLOGISK MANGFOLD

Reduces overexploitation in forests abroad.

Reduces transportation.

Avoids harmful exhaust gases.

### INNTEKTSEFFEKT

higher margin

### UTNYTTELSESPOTENSIAL

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### HUB

Central-West Hub

### ØKONOMISK PÅVIRKNING

Added value for the local wood value chain

### SPESIFIKKE KUNNSKAPSBEHOV

### MOBILISERINGSPOTENSIAL

> 20'000 m<sup>3</sup> for Switzerland

### BÆREKRAFTPOTENSIAL - VERDI

Veldig positivt

### ENKEL IMPLEMENTERING

Retort must be purchased. Coal production is simple.

### ENKEL IMPLEMENTERING - EVALUERING

Medium

### VIKTIGE FORUTSETNINGER

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### TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT

Workshop 2: Opprettelse av forretningsideer (T2.2)

### EFFEKT PÅ ARBEIDSPLASSER

Generates local employment

### KOSTNADER MED IMPLEMENTERING (EURO - €)

30000

none

## MER INFORMASJON

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### UTFORDRING ADRESSERT

6. Øke den skogbaserte bioøkonomien gjennom sirkulær bruk og merverdi produkter

### NØKKEWORD

Charcoal upcycling retort

### OPPRINELSESLAND

Sveits

### DOMENE

Produkter, marked, handel

Skogindustri, bio/sirkulær økonomi

### DIGITAL LØSNING

Nei

### POTENSIALE

Regional/deler av landet

### TYPE LØSNING

Sirkulære, biobaserte produkter

### INNOVASJON

Ja

### START OG SLUTT ÅR

2023 - 2025

## KONTAKT INFORMASJON

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### EIER ELLER FORFATTER

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### RAPPORTØR

BFH-HAFL

Thür

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## REFERENCES AND RESOURCES

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### HJEMMESIDE (HOVEDSIDE)

<https://oliskohle.ch/en/home>

### PROSJEKTETS HJEMMESIDE

<https://oliskohle.ch/en/pages/ueber-uns>

### REFERANSE TIL PROSJEKT

Barbecue charcoal and biochar

### RESSURSER

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LOGO FOR BESTE  
PRAKSIS

LOGO FOR HOVEDORGANISASJON



PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood 4.0

INNLEGGSDATO

3 Jan 2024



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

