

HORIZON  
2020

# Bio-based local sustainable circular wear

## Fact Sheet

### Project Information

#### HEREWEAR

Grant agreement ID: 101000632

[Project website](#)

#### DOI

[10.3030/101000632](https://doi.org/10.3030/101000632)

Project closed

#### EC signature date

9 September 2020

#### Start date

1 October 2020

#### End date

31 October 2024

#### Funded under

SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy

#### Total cost

€ 7 009 290,45

#### EU contribution

€ 6 158 830,00

#### Coordinated by

CENTRE SCIENTIFIQUE &  
TECHNIQUE DEL'INDUSTRIE  
TEXTILE BELGE ASBL



Belgium

This project is featured in...



## The future of textiles: achieving a circular economy

### Project description

#### Bio-based materials for locally manufactured, sustainable and circular clothing

The EU-funded HEREWEAR project will contribute to the creation of the EU market for locally produced circular textiles and clothing made from bio-based resources. Emerging sustainable technologies for wet and melt spinning of cellulose from waste streams and bio-based polyesters will be developed and piloted at a semi-industrial scale. HEREWEAR will also work on yarn and fabric production as well as coating and colouring with bio-based agents. Further, the project aims to significantly reduce the release of microfibres via measures for the textile manufacturing process, and maximise the sustainability and circularity of clothing through connecting regional microfactories. Guidelines and a database will be provided to support the design of fashion goods, with focus on bio-based materials and reuse/recycling. Finally, garment prototypes will demonstrate the HEREWEAR circular bio-based concept.

#### Fields of science

[engineering and technology](#) > [mechanical engineering](#) > [manufacturing engineering](#)

[engineering and technology](#) > [environmental engineering](#) > [waste management](#) > [waste treatment processes](#) > [recycling](#)

[natural sciences](#) > [computer and information sciences](#) > [databases](#)

[engineering and technology](#) > [materials engineering](#) > [textiles](#)

[engineering and technology](#) > [materials engineering](#) > [coating and films](#)

#### Keywords

[Bio-based](#)

[microfibre release](#)

[circular textiles](#)

[design for circularity](#)

[biorefinery](#)

## Programme(s)

[H2020-EU.3.2. - SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy](#)

MAIN PROGRAMME

[H2020-EU.3.2.4.3. - Supporting market development for bio-based products and processes](#)

[H2020-EU.3.2.4.2. - Developing integrated biorefineries](#)

## Topic(s)

[CE-FNR-14-2020 - Innovative textiles – reinventing fashion](#)

## Call for proposal

[H2020-FNR-2020](#)

[See other projects for this call](#)

## Sub call

H2020-FNR-2020-1

## Funding Scheme

[IA - Innovation action](#)

## Coordinator



**CENTRE SCIENTIFIQUE & TECHNIQUE DEL'INDUSTRIE TEXTILE BELGE ASBL**

Net EU contribution

**€ 928 725,69**

Total cost

€ 1 009 725,69

Address

**HOF-TER-VLEESTDREEF 5/1  
1070 BRUXELLES**

 **Belgium** 

SME 

**Yes**

Region

**Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

## Participants (15)

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 **INTERNATIONAL PARTNER** 

**QUEEN OF RAW INC**

 United States

Net EU contribution

**€ 0,00**

Address

**251 LITTLE FALLS DRIVE  
19808 Wilmington** 

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

**No data**



## DEUTSCHE INSTITUTE FUR TEXTIL- UND FASERFORSCHUNG DENKENDORF

 Germany

Net EU contribution

**€ 746 500,00**

Address

**KORSCHTALSTRASSE 26**

**73770 Denkendorf** 

Region

**Baden-Württemberg > Stuttgart > Esslingen**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

**€ 746 500,00**



## NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO

 Netherlands

Net EU contribution

**€ 734 717,50**

Address

**ANNA VAN BUERENPLEIN 1**

**2595 DA Den Haag** 

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 734 717,50

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**RISE IVF AB**

Sweden

Net EU contribution

€ 97 702,16

Address

**ARGONGATAN 30**

**431 53 Molndal**

Region

**Södra Sverige > Västsverige > Västra Götalands län**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

€ 97 702,16

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**THE UNIVERSITY OF THE ARTS LONDON**

United Kingdom

Net EU contribution

**€ 628 000,00**

Address

**272 HIGH HOLBURN**

**WC1V 7EY London**

Region

**London > Inner London — West > Camden and City of London**

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

Total cost

€ 628 000,00

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## FUNDACIO EURECAT

 Spain

Net EU contribution

€ 559 375,00

Address

**AVENIDA UNIVERSITAT AUTONOMA 23**  
**08290 Cerdanyola Del Valles (Barcelona)** 

Region

**Este > Cataluña > Barcelona**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 559 375,00

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## CIRCULAR.FASHION GMBH

 Germany

Net EU contribution

€ 314 125,00

Address

**BUDAPESTER STR. 38-50**  
**10787 BERLIN** 

SME 

**Yes**

Region

**Berlin > Berlin > Berlin**

Activity type

## Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

**€ 448 750,00**

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### ASOCIATIA MAI BINE

 Romania

Net EU contribution

**€ 225 625,00**

Address

**STRADA AMURGULUI 4 BL SA2 SC A ET 4 AP 15**

**700415 Iasi** 

Region

**Macroregiunea Doi > Nord-Est > Iasi**

Activity type

**Other**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

**€ 225 625,00**

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### VIOMICHANIKIS EREVNAS TECHNOLOGIKISANAPTYXIS ERGASTIRIAKON DOKIMON PISTOPIISIS KAI PIOTITAS AE

 Greece

Net EU contribution

**€ 290 412,50**

Address

**A VIOMICHANIKI PERIOCHI**

**38500 VOLOS** 



Region

**Κεντρική Ελλάδα > Θεσσαλία > Μαγνησία**

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

**€ 414 875,00**



## **FINIPUR NV**

 Belgium

Net EU contribution

**€ 168 000,00**

Address

**OUDERNAARDSE HEERWEG 76**

**8540 Deerlijk** 

SME 

**Yes**

Region

**Vlaams Gewest > Prov. West-Vlaanderen > Arr. Kortrijk**

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

**€ 240 000,00**



## **MITWILL TEXTILES EUROPE**

 France

Net EU contribution

€ 284 375,00

Address

**104 RUE DES BAINS**

**68390 Sausheim** 

SME 

**Yes**

Region

**Grand Est > Alsace > Haut-Rhin**

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 406 250,00



**VRETENO UG**

 Germany

Net EU contribution

€ 128 450,00

Address

**SANDBERGSTRASSE 73**

**64285 Darmstadt** 

SME 

**Yes**

Region

**Hessen > Darmstadt > Darmstadt, Kreisfreie Stadt**

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 184 541,90

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## SOURCEBOOK GMBH

 Germany

Net EU contribution

€ 234 524,31

Address

**REICHENBERGER STRASSE 155**

**10999 Berlin** 

Region

**Berlin > Berlin > Berlin**

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 335 034,73

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## CEDECS-TCBL

 France

Net EU contribution

€ 370 000,00

Address

**68 BIS BOULEVARD PEREIRE**

**75017 PARIS** 

SME 

**Yes**

Region

**Ile-de-France > Ile-de-France > Paris**

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 529 895,63



## RISE RESEARCH INSTITUTES OF SWEDEN AB

 Sweden

Net EU contribution

€ 448 297,84

Address

**BRINELLGATAN 4**

**501 15 Boras** 

Region

**Södra Sverige > Västsverige > Västra Götalands län**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 448 297,84

**Last update:** 11 November 2024

**Permalink:** <https://cordis.europa.eu/project/id/101000632>

European Union, 2025