



SETTIMANA DELLA SOSTENIBILITÀ

19-22 MARZO 2024



CONFINDUSTRIA
VENETO EST

Area Metropolitana
Venezia Padova Rovigo Treviso

ECONOMIA CIRCOLARE ED ECODESIGN NEI PRODOTTI SPORTIVI

IL PROGETTO RECYCLE YOUR BOOTS

Giorgio Grandin – Innovation Manager Tecnica Group

Marco Meggiolaro – Innovation and product sustainability manager Tecnica Group

22 MARZO 2024



**SETTIMANA
DELLA
SOSTENIBILITÀ**

19-22 MARZO 2024



**CONFINDUSTRIA
VENETO EST**

Area Metropolitana
Venezia Padova Rovigo Treviso



TO CREATE
AMAZING EXPERIENCES THROUGH
OUTSTANDING PRODUCTS.

— OUR
MISSION





— OUR
BRANDS

SKIS

HIKING BOOTS AND
OUTDOOR SHOES


FOOTWEAR

SKIS AND SKI BOOTS

INLINE SKATES

SKI BOOTS AND
FOOTWEAR



 **BLIZZARD**

LOWA
simply more...

MOON BOOT®

NORDICA

 **Rollerblade.**

 **TECNICA**



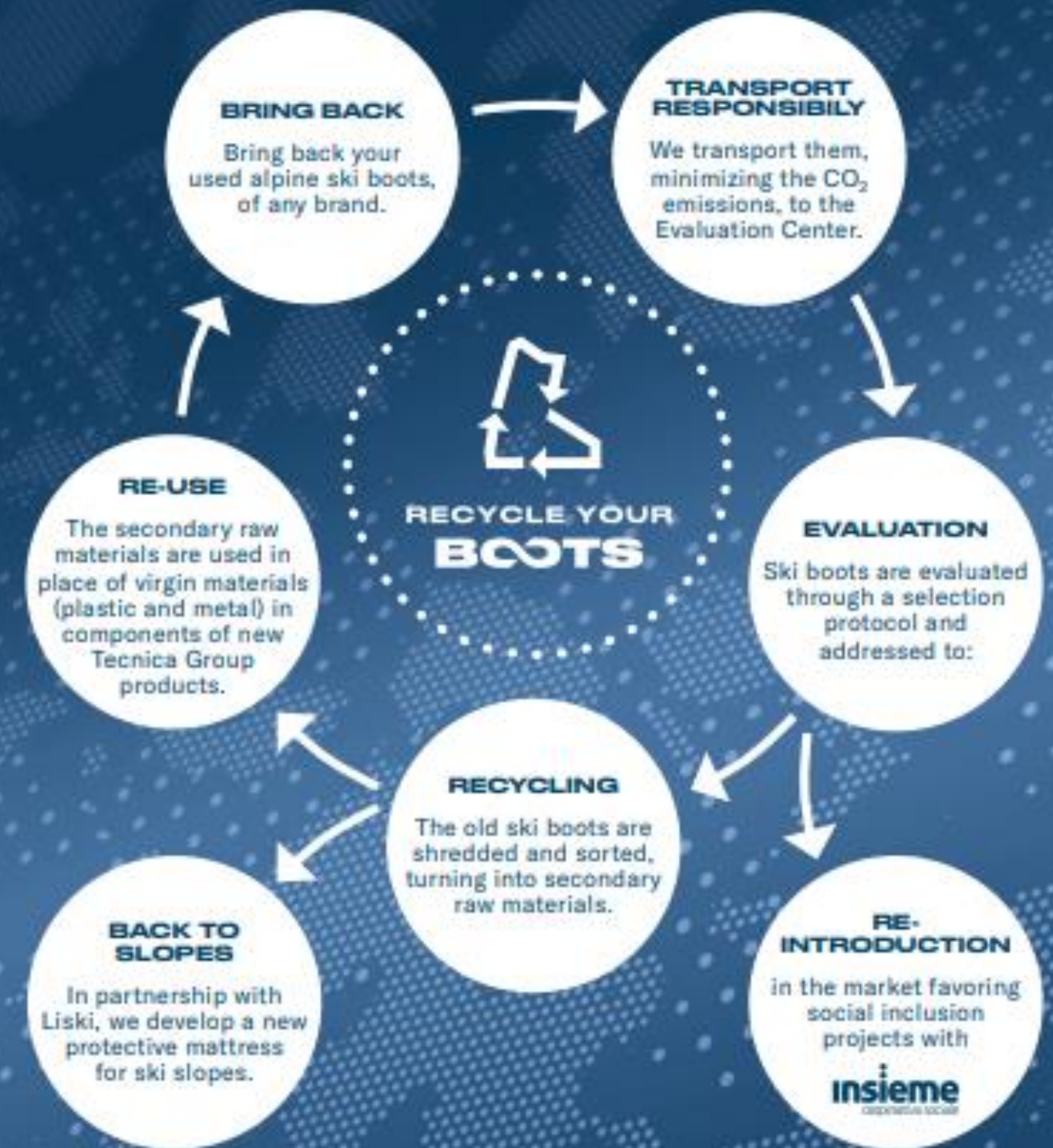
FROM 2021, WE RECYCLE ALPINE SKIBOOTS, OF ANY BRANDS



NORDICA

TECNICA

WE CARE ABOUT THE DOLOMITES



GIVE YOUR OLD SKI BOOTS A SECOND LIFE

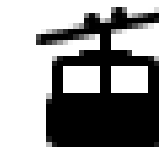
RYB SYSTEM



Shops / mountain stores



Rentals



Lifters / ski resorts



Waste utility (pilot)



20.000 > 24.000



Selection sorting hub
COMPANY A

10%

82%

8%



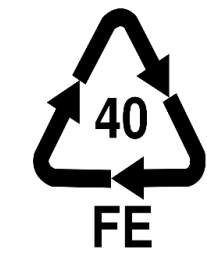
Reusable products for
second hand market
NO PROFIT org.



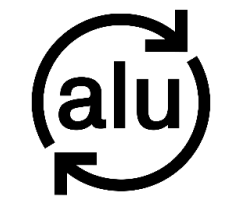
Landfill or thermovaloriz. since
not recyclable



Recycling company and
transformation in SRM
COMPANY B



Foundry



PP



TPU



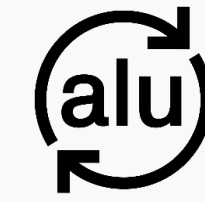
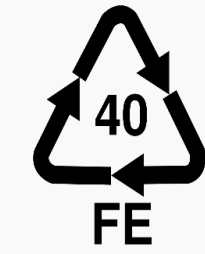
- Sport mattress
- Building panels
- Technical seats

THE COMPLEXITY OF MULTI-BRANDS RECYCLING



A SPECIFIC RECYCLING PROTOCOL IS ASSIGNED TO EACH MODEL

TRANSFORMATION OF THE OLD SKIBOOTS IN SRM



THE 120 COMPONENTS ARE SHREDDED

PLASTICS ARE SORTED INTO:

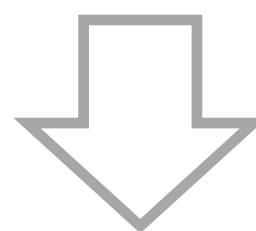
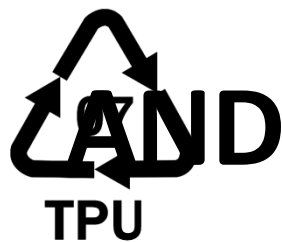
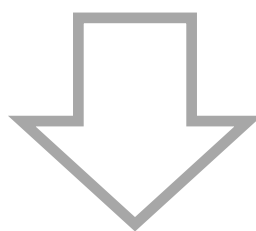
- **POLYURETHANE (PP)**
- **POLYPROPYLENE (TPU)**

METALS ARE MELTED

PLASTICS ARE EXTRUDED

REGENERATED POLIMERS ALL USED INTO NEW TECNICA GR.'S PRODUCTS

REGENERATED



NEW SKIBOOTS COMPONENTS

OTHER TECNICA GROUP'S PRODUCTS



SKI BOOT WEDGEBOARDS



LINER COMPONENTS



CUFF REINFORCEMENTS



SKI TIP INSERT & RUNNING BASE

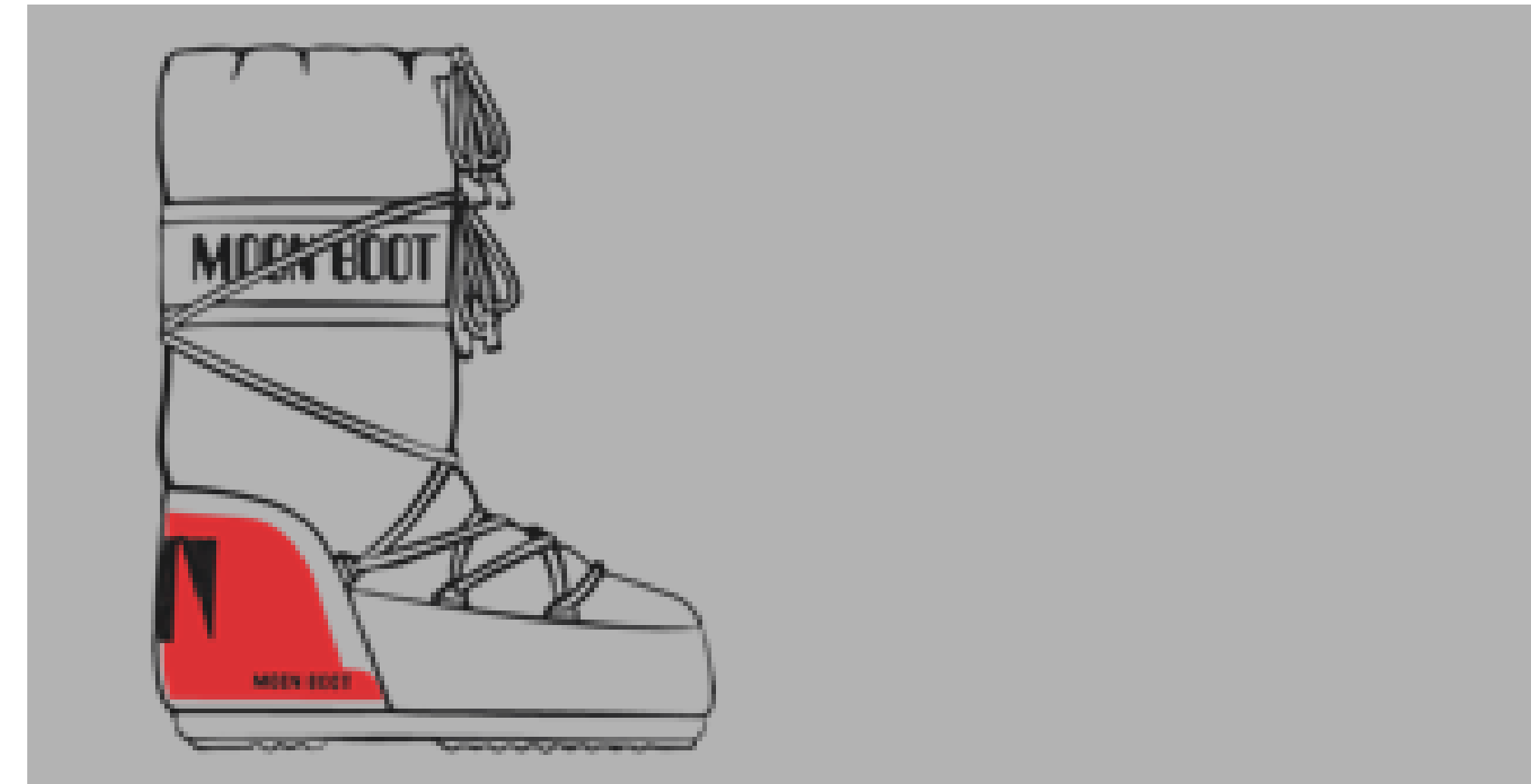


MOON BOOT HEEL COUNTER SUPPORT



ROLLERBLADE TOE BOX INSERT





The heel and counter, originally made of polyethylene and polystyrene, have been replaced by a structure made of **100% recycled PU.**

This required a **complete redesign** of this component.

WE ALSO TRANSFORM THE LINER IN MATERASSES AND CUSHIONS





**RECYCLING
THE LINER**

GREEN-MAT USING LINERS USED IN FIS WORLD CUP



SECONDARY RAW MATERIALS

- ☐ 54 tons of regenerated plastics
- ☐ 18.5 tons of regenerated metals



CO2 SAVINGS

- ☐ 456 tons CO2 eq

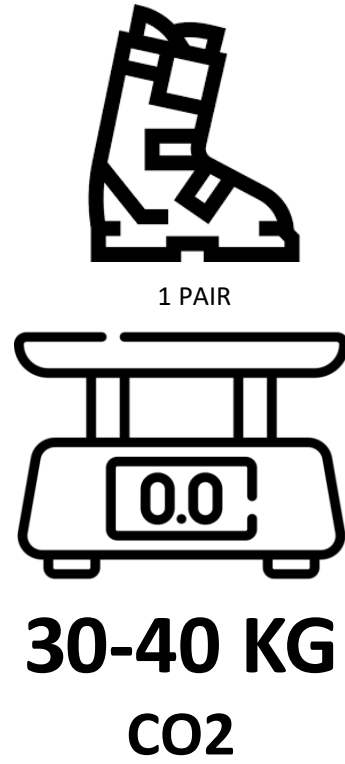
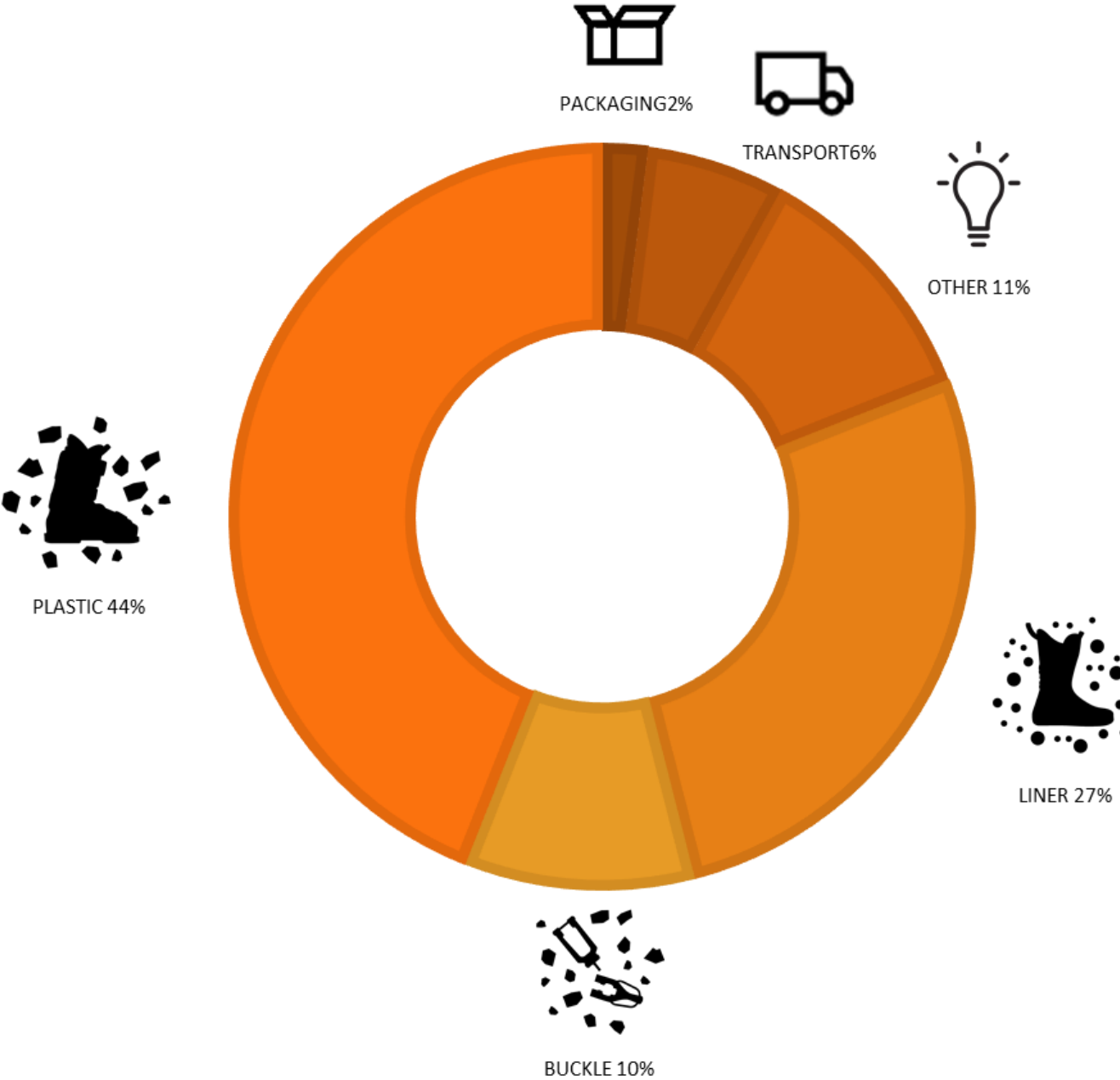


**UP TO 85% OF THE SKIBOOTS MATERIALS
ARE RECYCLED
IN HIGH VALUE COMPONENTS***

**EACH SKIBOOT RECYCLED CONSISTS IN
12 to 15 Kg CO₂eq SAVED****

* Recycling index ranges from 70% to 85% according to the different models and brands of the alpine skiboots
** Data elaborated with the support of the University of Padova. It considers both the recycling of thermoplastic + metals and the recycling of the liner

LIFE CYCLE ASSESSMENT SKI BOOTS



COLLECTING USED SKIBOOTS: AN EUROPEAN TACKBACK SYSTEM



NEW PARTNERSHIP WITH

10 TAKEBACK POINTS ON SLOPES

WE CARE
ABOUT THE
DOLOMITES





NORDICA

TECNICA

DOLOMITI SUPERSKI



VAL DI Fiemme/ OBereggen



FUNIVIE ALPE CERMIS
Via Cermis 2, Cavalese

SPORT VENTURA
Loc. Pampeago 6, Tesero

VAL GARDENA



DANTER SPORT
Streda Dantercëpies 42,
Selva di Val Gardena

CAREZZA/ VAL DI FASSA



SPORT LAURIN
Via Carezza 12, Nova Levante

ALTA BADIA



SKI RENTAL SKIBAR
Str. Surega 12, San Cassiano

CORTINA D'AMPEZZO



NOLEGGIO SKI TOFANA
Via dello Stadio 16, Cortina
d'Ampezzo

SKI & MORE FALORIA
Via Ria de Zeto 6, Cortina
d'Ampezzo

SKIPASS CORTINA
Via Guglielmo Marconi 15,
Cortina d'Ampezzo

CIVETTA



ALLEGHE FUNIVIE
Corso Venezia 3, Alleghe

3 CIME



PUNKA SERVICE CENTER
Via Ombrosa 2/F, San Candido

RECYCLING: A COMPLEX MULTIPLAYERS' PROCESS

TAKE BACK

APPLICATIONS

RECYCLING & LOGISTIC

SOCIAL PROJECT



SCIENTIFIC VALIDATION

REPLICATION

COFINANCE BY

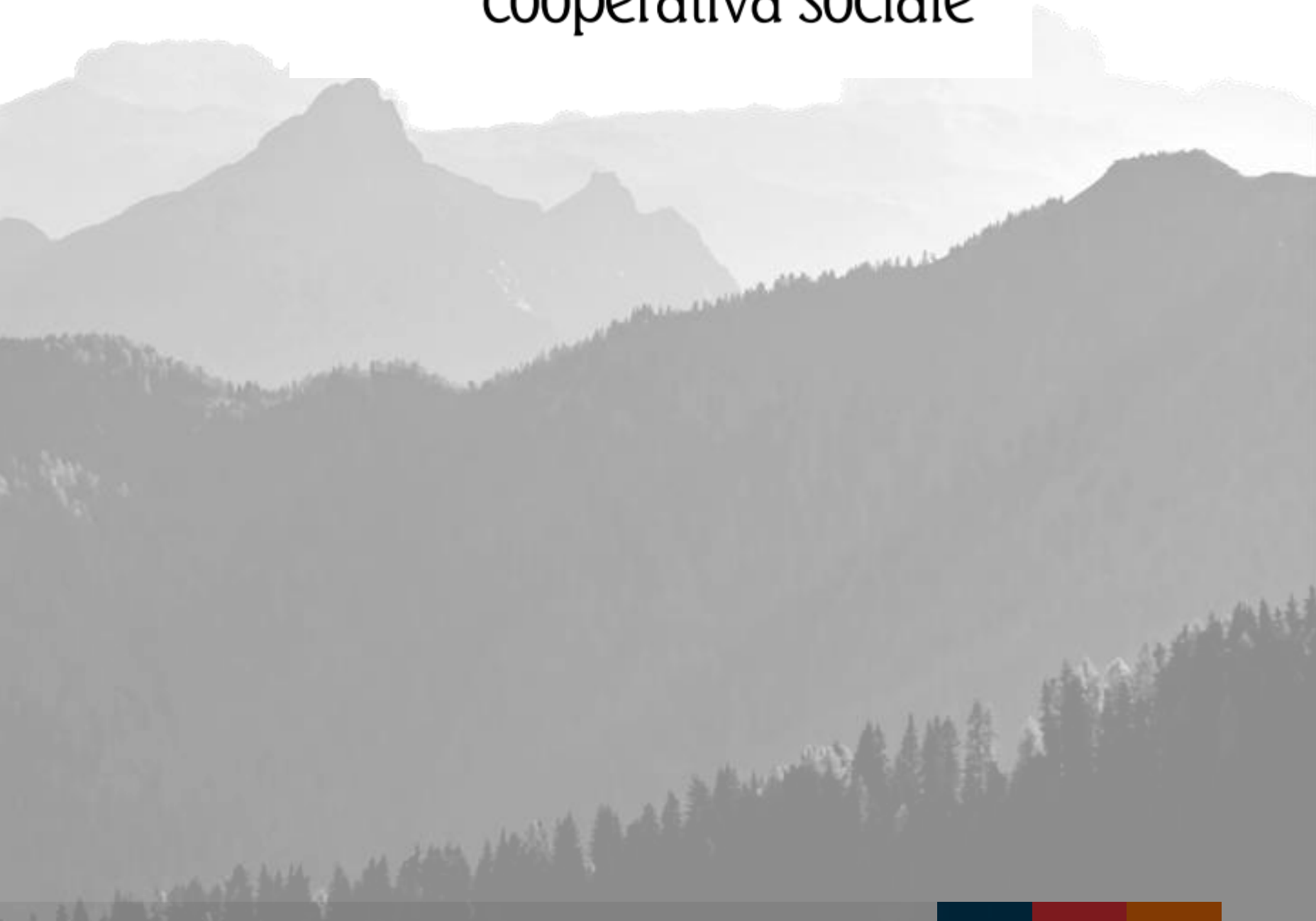


TAKING CARE OF THE SOCIAL INCLUSION SIDE OF RECYCLING



PARTNERSHIP WITH

insieme
cooperativa sociale



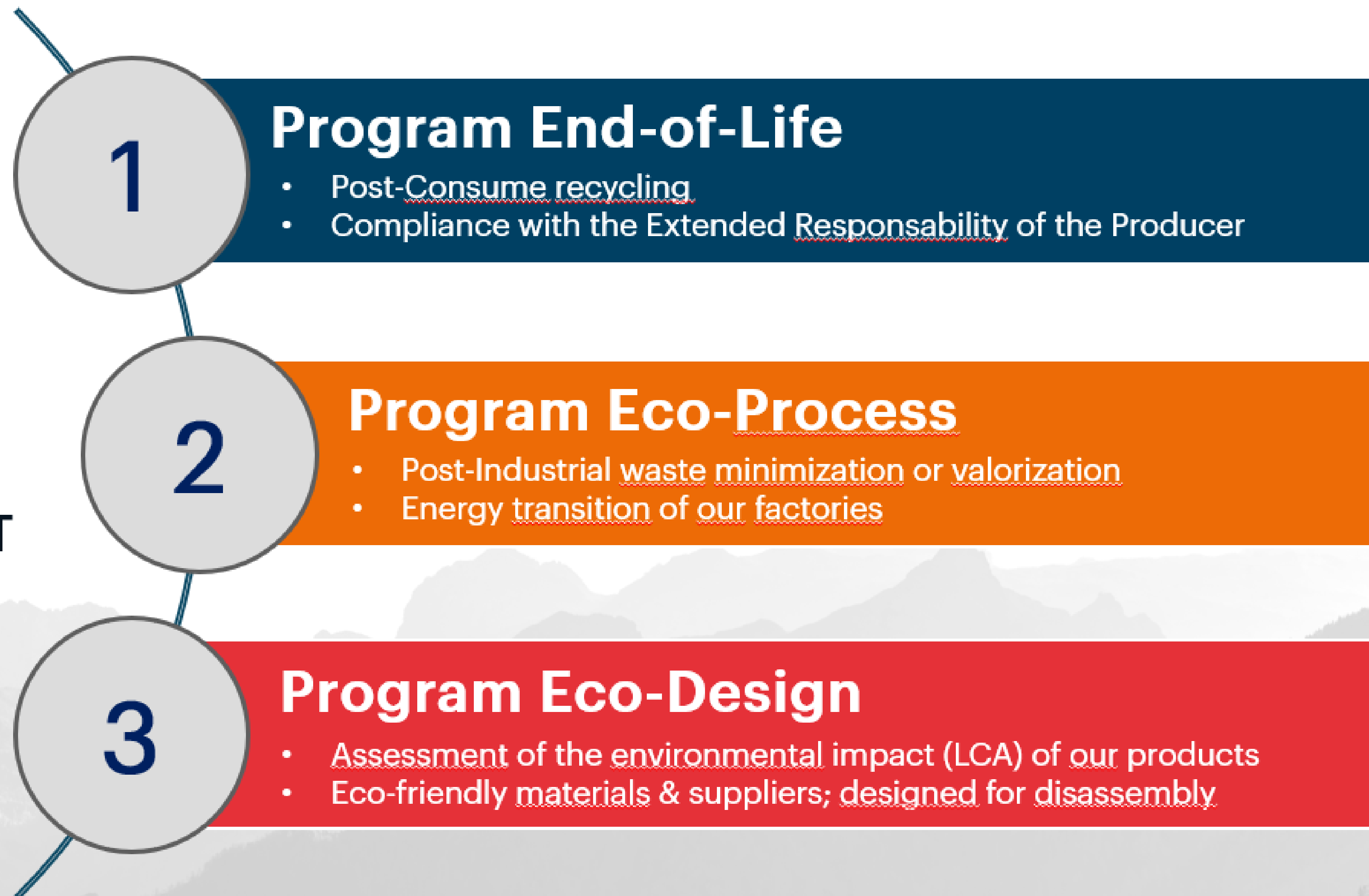
DESIGNED TO BE RECYCLABLE







REDUCTION OF THE CARBON FOOTPRINT OF ALL OUR PRODUCTS



MEMBER OF THE EC EXPERT GROUP ON GREEN SPORT





RECYCLE YOUR BOOTS

<https://www.tecnicagroup.com/it/recycle-your-boots/>

Tecnica Group Sustainability dept.

giorgio.grandin@tecnicagroup.com

marco.meggiolaro@tecnicagroup.com

alessia.maschietto@tecnicagroup.com

filippo.cumerlato@tecnicagroup.com