

VISION 1

VALUE CHAIN LEVEL

Resource-wise production
of wood-based products



Using wood and other
resources of forests
responsibly and developing
resource-wise value chain of
wood-based products so that
forests remain Finland's
leading export resource in the
future

Providing easy tools for wood-
based value chains to evaluate
and develop resource-wisdom

Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan aluekehitysrahasto

BENEFITS | SHARING ENVIRONMENTAL DATA IN A VALUE CHAIN



Communicate resource-wise results and solutions to the customer



Increasing traceability of environmental impact through data-based solutions



Making resource-wisdom transparent through visual LCA



Developing resource-wisdom with the help of LCA



Predicting & adapting to the climate change based on data



Protecting biodiversity of forests



Optimizing the carbon sink capacity of forests



Cost efficiency through optimization of value chain activities and management



Supporting the collection and analysis of the data



Ensuring the optimal use of wood



Branding sustainable wood



Cost savings through reduction of waste



Support for collaborative development in a value chain



Marketing new eco-innovations

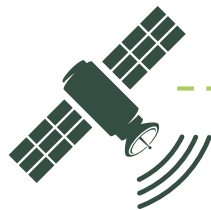


Cost efficiency optimization of logistics

Vipuvoimaa
EU:lta
2014–2020



REWISE



VISION 2



SERVICE LEVEL



Service
DATA
PLATFORM

- WEATHER FORECASTS
- ROAD CONDITION
- FLORA & FAUNA
- AGE, QUALITY AND GROWTH OF FOREST
- DATA FROM OPEN SOURCES

BIODIVERSITY, FLORA & FAUNA
CARBON SINK CAPACITY
RESEARCH INFORMATION ON THE ENVIRONMENT
FUEL CONSUMPTION AND EMISSIONS
SIDESTREAMS

AGE AND QUALITY AT THE TREE LEVEL
BIODIVERSITY, FLORA & FAUNA
CARBON SINK CAPACITY (PRE AND POST HARVESTING)
MACHINE: TYPE, MAINTENANCE, ROUTES
FUEL CONSUMPTION AND EMISSIONS

REAL TIME ROAD CONDITION
ROUTE PLANNING
WOOD LOAD PLANNING
FUEL CONSUMPTION AND EMISSIONS

WASTE MANAGEMENT
USE OF SIDE STREAMS
ENERGY CONSUMPTION
MATERIAL INFORMATION
MARKET DEMAND

LOCAL SERVICE NETWORKS
FOR RESOURCE-WISE
WOOD PRODUCTION

**FOREST
MANAGEMENT**

HARVESTING

TRANSPORT

**WOOD
PROCESSING**

ACTORS IN VALUE CHAINS



DOWNLOADING DATA FOR LCA



CUSTOMER JOURNEY

THE PRODUCER OF THERMOWOOD



ANALYSE

MANAGE

DEVELOP

COMMUNICATE

FIND PARTNERS
MARKETING TOOLS
SIDESTREAM DEALS

FUTURE

PRESENT

FINLAND 100 PRODUCTS



GLOBAL 1000 PRODUCTS



Select

Transport

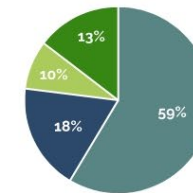
Energy consumption

Material

Waste

TRASPORT

Etiam rhoncus.
Maecenas tempus,
tellus eget



TRAIN

SHIP

LORRY

OTHER

PARTNERS



SHARE YOUR RESULTS

ANALYSE

PROVIDE LCA INFORMATION
TO THE SYSTEM

PROVIDE ANALYSING TOOLS

VISUALISE THE DATA

MANAGE

REQUEST AND SHARE LCA
INFORMATION IN A VALUE CHAIN

VERIFY SUSTAINABILITY OF THE
WOOD TO THE END CUSTOMER

DEVELOP

IMPROVE RESOURCE WISDOM IN
A VALUE CHAIN OR A COMPANY

UTILISE RDI INFORMATION
DATABASE AND BEST PRACTICES

COMMUNICATE

MARKET NEW INNOVATIONS

FIND PARTNERS

REQUEST OR INFORM ABOUT
SIDESTREAMS