



Sandra Liebal (Communication and Dissemination Manager) & Josephine Köhler & Prof. Dr. Norbert Weber (Principal Project Coordinator)

Transforming scientific language into messages for the general public: Communication and dissemination of a European R&D project in the field of forestry

TU Dresden, 2023-04-12 SILVA Network Annual Meeting 2023 University of Sopron, Hungary

Structure



- 1. Dendromass4Europe: Project description
- 2. State of the art in strategic planning of communication and dissemination for scientific projects
- 3. Evolution in science communication OR lessons learnt









Dendromass4Europe: Project description

Securing Sustainable Dendromass Production with Poplar Plantations in European Rural Areas

Project lead: Technische Universität Dresden (Germany)

Duration: 01.06.2017– 30.11.2022



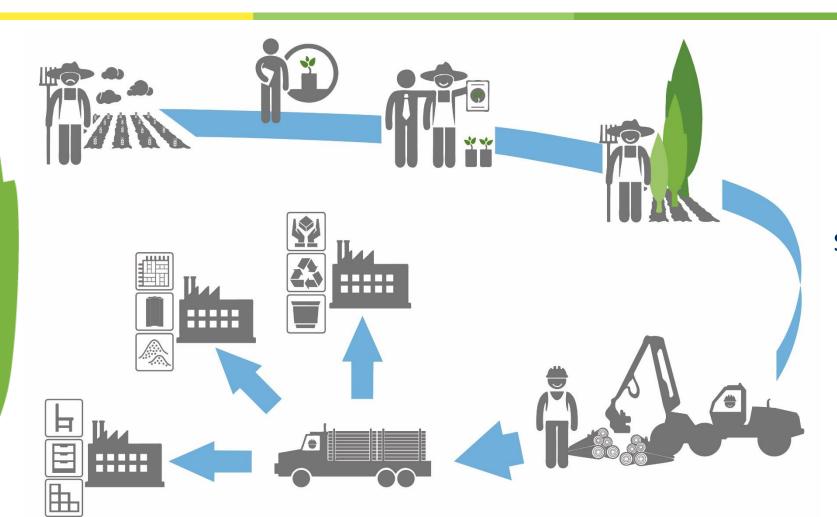






Dendromass4Europe: Project description





Main challenges

Exploit the potential of marginal and underutilized land for sustainable production

Develop innovative bio-based materials based on poplar dendromass and establish value chains





Sandra Liebal,

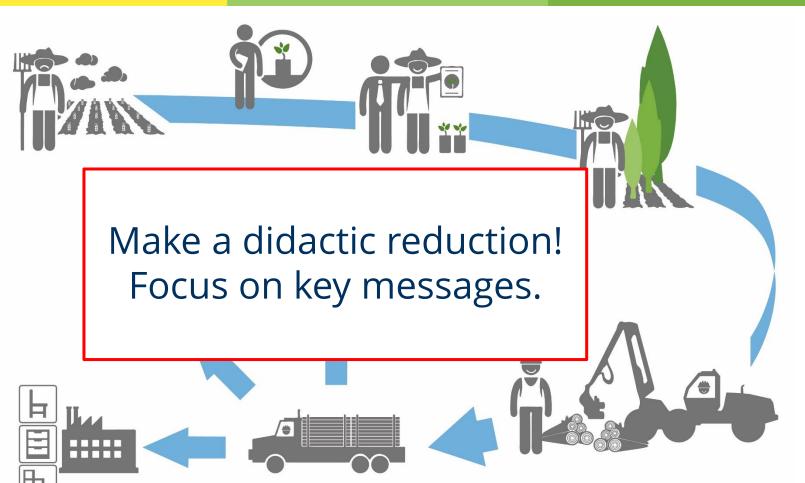
SILVA-Conf. 2023





Dendromass4Europe: Project description





Main challenges

Exploit the potential of marginal and underutilized land for sustainable production

Develop innovative bio-based materials based on poplar dendromass and establish value chains









Strategic planning of comm & diss



No ad-hoc communication!

Set up a regularly updated communication strategy!









Strategic planning of comm & diss



Comm & Diss Strategy and Plan

- Define and describe target audiences
- Set communication objectives, key messages
- Define tone of communication and design style
- Plan activities and communication channels
- Plan monitoring and evaluation
- & link this with each other

SILVA-Conf. 2023









dendromass4europe.eu



Multi-channel approach

 uses both digital and analogue channels, which exist as mutually independent but in a synergetic way











Multi-channel approach

 uses both digital and analogue channels, which exist as mutually independent but in a synergetic way

D4EU











project website







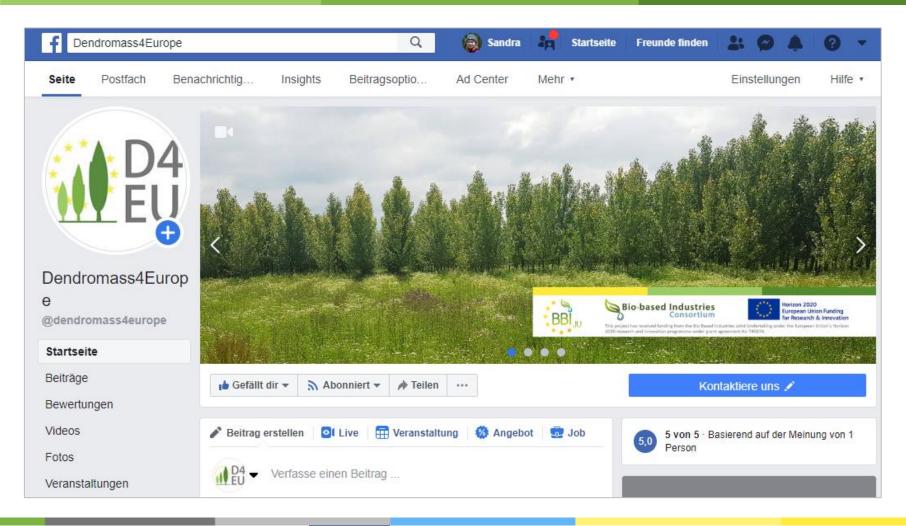






Social media

Facebook, Twitter and ResearchGate





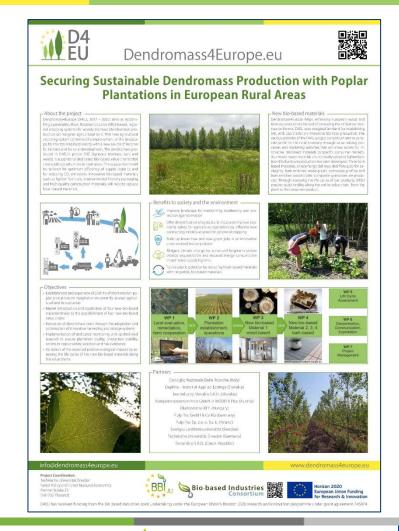








general and technical posters















Dendromass

4 Europe

leaflets

About the project



Dendromass4Europe aims at establishing sustainable, Short Rotation Coppice (SRC)-based, regional cropping systems for agricultural dendromass production on marginal land.

The dendromass produced in SRC (ligneous biomass, bark and wood) will be supplied to dedicated biobased value chains which will create additional job opportunities in rural areas.

The supply chains will be tailored for optimum efficiency of supply logistics and for reducing CO., emissions, Innovative biobased materials will help to replace fossilbased materials.



- Establishment and expansion of 2500 ha of short rotation poplar plantations on marginal or on currently unused agricultural land in rural areas
- Demonstration of the market introduction and the application of 4 New Bio-Based Materials (NBBM) linked to the establishment of 4 new bio-based value chains based upon separately adding higher value to the wood and the bark of the poplars
- · Reduction of dendromass costs through the adaptation and optimisation of innovative harvesting and storage systems
- · Implementation of dedicated monitoring and applied-level research to ensure plantation quality, production stability, optimum poplar variety selection and risk avoidance
 - · Validation of the expected positive ecological impacts by assessing the life cycles of the NBBMs along the value chains (life cycle assessment)

New bio-based materials

The various activities of the D4EU project consortium aim to generate profit for the rural economy on a regional scale through value adding processes and marketing activities that will allow access for innovative bio-based materials to specific consumer markets.

As a wood-based material, a functionally adapted lightweight board for furniture production is

Moreover, three bark-based materials are planned: an ecofungicidal moulded fibre pulp for packaging; bark enriched wood-plastic composite profiles and bark enriched wood-plastic composite granulates.







Contact

Technische Universität Dresden

Department of Forest Sciences Forest Policy and Forest Resource Economics Pienner Straße 23 D-01735 Tharandt www.tu-dresden.de/forst/forstpolitik

Project Coordinator Prof. Dr. Norbert Weber

Technical Manager Dr. Matthias Meyer

info@dendromass4europe.eu

www.dendromass4europe.eu

M D4EU_project DAPHNE - INSTITUTE OF APPLIED ECOLOGY

Dendromass4Europe ENERGOCHEMICA TRADING A.S.

SVERIGES LANTBRUKSUNIVERSITET

Securing Sustainable Dendromass Production with Poplar Plantations in European Rural

www.dendromass4europe.eu

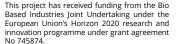












TECHNISCHE UNIVERSITÄT DRESDEN

CONSIGLIO NAZIONALE DELLE RICERCHE
- INSTITUTE OF BIOECONOMY (IBE)

9400 Sopron, Ibolya út 11. V/21

www.energochemica.eu Slovakia

rtners - 7 countries - 5 years - 1 projec

IKEA INDUSTRY SLOVAKIA S.R.O. www.ikea.com

PULPACK SP. Z O. O. SP. K.

PULPACK www.pulpack.pl

JOOD (WOOD K PLUS)

CHEMICA

KPLUS www.wood-kplus.at



Information panels at the plantations













Video clips





VIDEOS

COMMUNITY

KANALINFO



D4EU: 4 New Bio-Based Products With

8 Aufrufe • vor 2 Monaten



D4EU: New WPC Granulates and Profiles made with Poplar

Sandra Liebal,

15 Aufrufe • vor 4 Monaten



D4EU: New Lightweight Board For Furniture Made With Poplar

20 Aufrufe • vor 4 Monaten



D4EU: New Plantpots And Packaging Made With Poplar

10 Aufrufe • vor 4 Monaten



D4EU: Poplars for a greener living -Dendromass for you!

55 Aufrufe • vor 1 Jahr



D4EU: Poplar Dendromass for You!

107 Aufrufe · vor 1 Jahr



D4EU: Poplars for a greener living! 37 Aufrufe • vor 1 Jahr



D4EU: Harvest Trials 2021 - Optimizing harvest logistics

337 Aufrufe • vor 1 Jahr



TUDAdventskalender: Mehr Nachhaltigkeit

22 Aufrufe • vor 2 Jahren



BioHeroes Interview with Sandra Liebal by Biobridges

45 Aufrufe • vor 2 Jahren



Interview of BIOVOICES with D4EU 19 Aufrufe • vor 2 Jahren



D4EU: Fighting Climate Change with Poplars 302 Aufrufe • vor 2 Jahren



D4EU: Farmers and Poplar Plantations by IKEA Industry Slovakia (Hungarian subtitles)

64 Aufrufe • vor 2 Jahren



D4EU: Farmers and Poplar Plantations by IKEA Industry Slovakia (English subtitles) 3679 Aufrufe · vor 2 Jahren



D4EU: Harvest Demo Event in Skalica 2020 160 Aufrufe · vor 3 Jahren



D4EU: Farmers and Poplar Plantations by IKEA Industry Slovakia (slov)

153 Aufrufe • vor 3 Jahren











Multi-channel approach

D4EU

... and rollups, press releases, publications (public press to peer-reviewed), demonstration events, stakeholder workshops, conferences, TV and radio spots











Multi-channel approach

Link the communication channels as much as you can (e.g. by announcements, links, shoutouts).

Omni-channel approach

digital and analogue channels are more intertwined; 'user experience' or 'user journey' across devices and media

→ When dealing with forest-related topics, publics must be able to switch from one medium to another as simply as if it were one.









Strategic planning of comm & diss Define and describe target audiences



Stakeholder analysis

Persona method



	Marianne Magazine	
Age	70+	
Education	Upper secondary education Much life experience (knows a bit of everything) Lot of practical skills	
Profession	retiree	
Interests	Home and living Family Health Nature	
Language		
Motivation		
Opinion		
Media use	Newspaper and magazines. Almost no internet.	







Strategic planning of comm & diss Describe target audiences & link to activities



Multi-channel relational model

Low level of knowledge: General public, consumers	Mid level of knowledge: Politicians, Media, investors	High level of knowledge: Scientists, reviewers
Website	Website	Website (esp. downloads section)
Leaflets, general poster, Roll-ups	Leaflets, general poster, Roll-ups	Scientific publications
Public press	Conferences	Conferences
Social media	Social media	Technical posters
Video clips / YouTube	Video clips / YouTube	Workshops
Exhibitions	Demo events	
TV and Radio spots	Technical posters	



Sandra Liebal,

SILVA-Conf. 2023







Strategic planning of comm & diss Define tone of communication & design style



style

Corporate Design (logo, fonts, colours, style elements, templates, pictures)

tone

- factual (as composed to rely on emotional wording) and positive (as composed to problem-based)
- easy language or plain language
- tightrope walk between scientific precision and complexity on the one hand and popularization on the other: 'plantation' instead of 'short rotation coppice'?

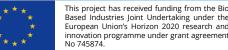


Sandra Liebal.

SILVA-Conf. 2023







dendromass4europe.eu

Strategic planning of comm & diss





Source: Executive Agency for SMEs (EASME, n.y.)

Download it for free:

SiS.net (2020): Science Communication – Policy

Brief. Online: https://wbc-

rti.info/object/document/20215/attach/Policy-Brief-SCIENCE-COMMUNICATION-FINAL.pdf











Evolution of science communication



Project start: 2017

Deficite model









Evolution of science communication

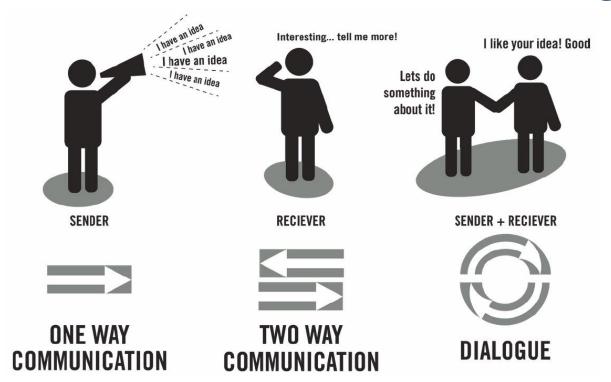
communication models



2017 2022

Deficite

Dialogue & Participation



Source: SiS.net (2020): Science Communication – Policy Brief.



Sandra Liebal,

SILVA-Conf. 2023







Outlook



SCIENCE COMMUNICATION

Communication about research with the outside world.



Co-creation

All parties are influencing the research process (e.g. citizen science)

DIALOGUE

Engagement

All parties are active senders and recipients (e.g. science café)

TWO-WAY COMMUNICATION

ONE-WAY COMMUNICATION

INFORMATION

Outreach

Target group is a passive recipient (e.g. press release)

Participatory model

Live events such as Science cafés and shops, science festivals; citizen science; children´s universities; serious games

Source: SiS.net (2020): Science Communication – Policy Brief.



participation

active

ot

Degree









Outlook



SCIENCE COMMUNICATION

Communication about research with the outside world.

INVOLVEMENT

Co-creation

All parties are influencing the research process (e.g. citizen science)

DIALOGUE

Engagement

All parties are active senders and recipients (e.g. science café)

TWO-WAY COMMUNICATION

ONE-WAY COMMUNICATION

INFORMATION

Outreach

Target group is a passive recipient (e.g. press release)

Consider the new philosophy of 'Inform – Involve – Collaborate – Empower'

... where it is possible

Source: SiS.net (2020): Science Communication – Policy Brief.

participation

active

ot

Degree









References



SiS.net (2020): Science Communication – Policy Brief. Online: https://wbcrti.info/object/document/20215/attach/Policy-Brief-SCIENCE-COMMUNICATION-FINAL.pdf

Executive Agency for SMEs (EASME) for strategic planning of project communication(n.y.): https://eismea.ec.europa.eu/manage-and-communicate-your-project-grants en







