



ECOTEXNANO TOOL. A tool for the safe use of nanomaterials in the textile finishing industry



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JOIN WORKSHOP ON RISK ASSESSMENT & RISK MANAGEMENT STRATEGIES APPLIED TO NANOMATERIALS

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1. Web of Ecotexnano project







2. ECOTEXnano Tool functionalities





2. ECOTEXnano Tool functionalities



Main objective of the Tool: Improve knowledge on nanomaterials

The main objectives of the ECO-TEXNANO tool are:

- ✓ To provide the textile finishing industry a user-friendly tool to improve its knowledge on risk assessment of nanomaterials and to promote the safe and green performance of their textile finishing process.
- ✓ To compare the nanotextiles and the conventional textile finishing products to quantify the achieved environmental and risks improvement.
- ✓ To serve as a basis for the further development of a **network platform** to share data with stakeholders including scientific committees, EU policy makers and international researchers, filling the knowledge gaps about nanomaterials.



3. Ecotexnano Tool specifications





3. Ecotexnano Tool specifications





- Freely accessible application, including access to a risk prediction tool (Risk Assessment Plugin), Environmental Assessment tool and a functional information sharing module.
- Internet access with one password per company or authorized user
- · Auto storing function to avoid loss of data
- Use of alerts when improving the features of the system
- Data downloadable in excel spreadsheets
- Operation with several browsers, including Mozilla, Google chrome and Safari.
- Access to training materials, including power point presentations and videos
- · Access to frequently asked questions
- Contact form to provide feedback and contact the development team of the help desk for suggestions, complaints, contributions, etc.

4. Ecotexnano Tool structure





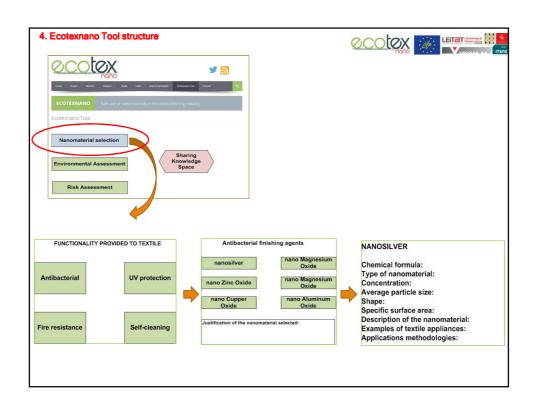


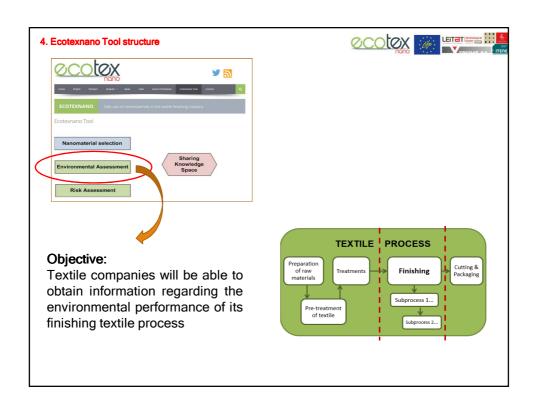
4. Ecotexnano Tool structure

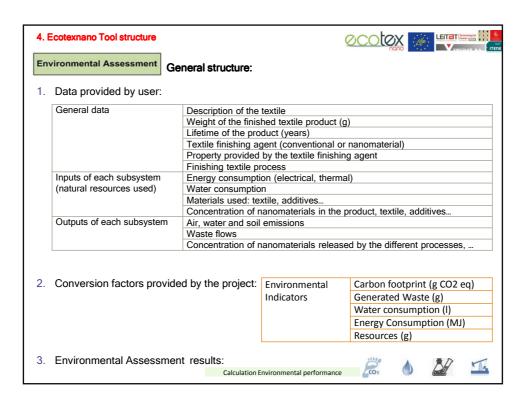


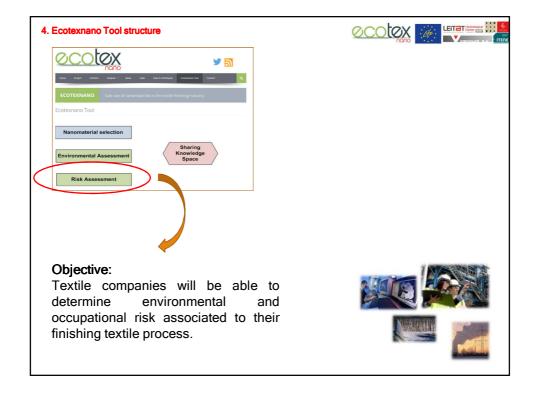
The **structure** of the ECO-TEXNANO tool will be composed of four main sections:

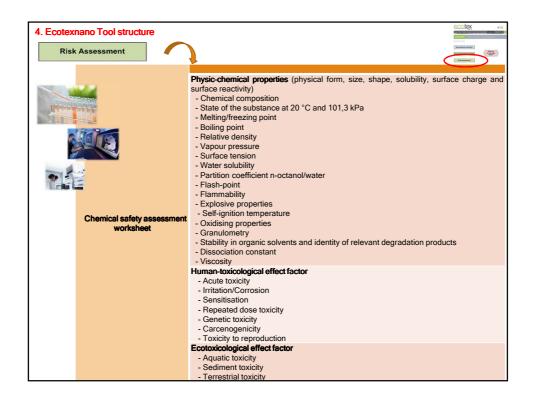
- Nanomaterial selection: this part will allow users to select the appropriate nanomaterial for each provided functionality: antibacterial, UV protection, fire resistance or soil release. Information of the selected nanomaterial will be provided.
- 2) <u>Environmental plugin</u>: textile companies will be able to obtain information regarding the environmental performance of its finishing textile process.
- 3) <u>Risk Assessment</u>: users will be able to assess the health and safety potential human and environment risks associated with the application of nanomaterials in finishing processes of textiles.
- 4) <u>Sharing Knowledge Space</u>: the aim of this part is to improve the knowledge of textile finishing sector about the use of nanomaterials: RMM library, Best available Techniques, potential risks, etc. Also information exchanger network.

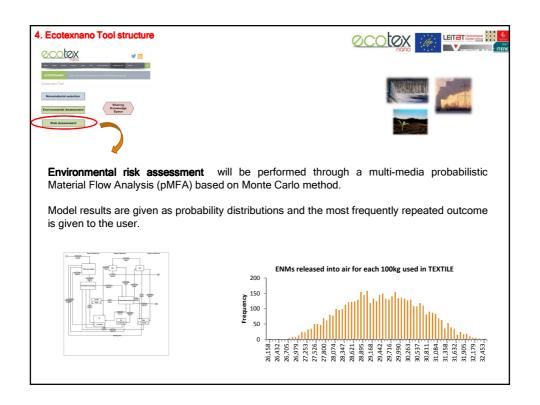


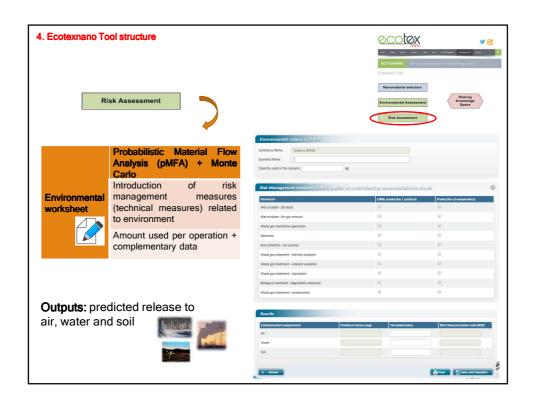




















THANK YOU FOR YOUR ATTENTION!

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