

Life MATHER

Full material and chemical monitoring data and disclosure for the protection
of the human health and environment

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BENEFITS OF THE LIFE PROGRAMME

LIFE MATHER

Project overview



Full MATerial and cHEmical monitoRing

*data and disclosure for the protection
of the human health and environment*

"Projects improving the use of chemical monitoring data (e.g. environmental monitoring, human biomonitoring, product monitoring, indoor air monitoring) in the protection of human health and the environment, by making the chemical monitoring data available, accessible, comparable and interoperable, and allowing for linking them with monitoring of human and environmental health and for assessment of exposures from chemical mixtures via various routes of exposure."

MATHER CONSORTIUM PARTNERS



COORDINATOR

Provides the LIFE MATHER Tool requirements, data on manufacturing processes and data on products and components. It will also validate the tool with a sample of its products.



IT development of the LIFE MATHER Tool including DBs integration. Knowhow and tool integration of principles of LCA and impacts on the environment and chemicals data.



Replication focuses activities to involve EU companies for the LIFE MATHER tool validation. Socio economic impacts analysis and dissemination



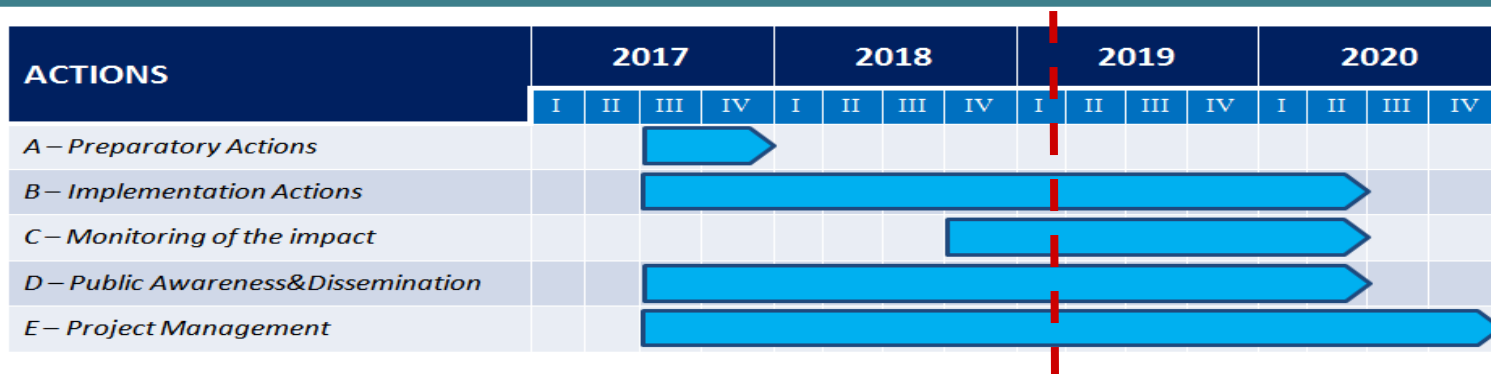
OVERVIEW

GOAL



Design, implement and demonstrate a new data monitoring tool that will create an interoperable connection between the list of materials used by a company in its products with the material related impacts on environment, health and also regulations.

- Enhancing the consciousness of human and environmental impacts of materials and chemicals used in purchased components for own products
- Highly reducing internal costs, related to the continuous updating of materials databases
- Dramatically reducing the time-to-compliance with regulations of products before accessing the market
- Support companies and policy makers in a more conscious selection and use of chemicals in products and guarantee the prompt implementation of EU policies & directives related to chemicals in EU products and production processes



ENVIRONMENTAL PROBLEM TARGETED



According to ECHA, **chemicals** are the building blocks of life. They are present in us, all around us, and in every product we buy.

However, *the use of substances with certain hazardous properties can be of concern for human health and/or the environment.*

The EU legislation sets the *highest chemical safety standards* in the world. It's companies' responsibility is to make sure that the chemicals and products brought into the EEA *comply with these requirements.*



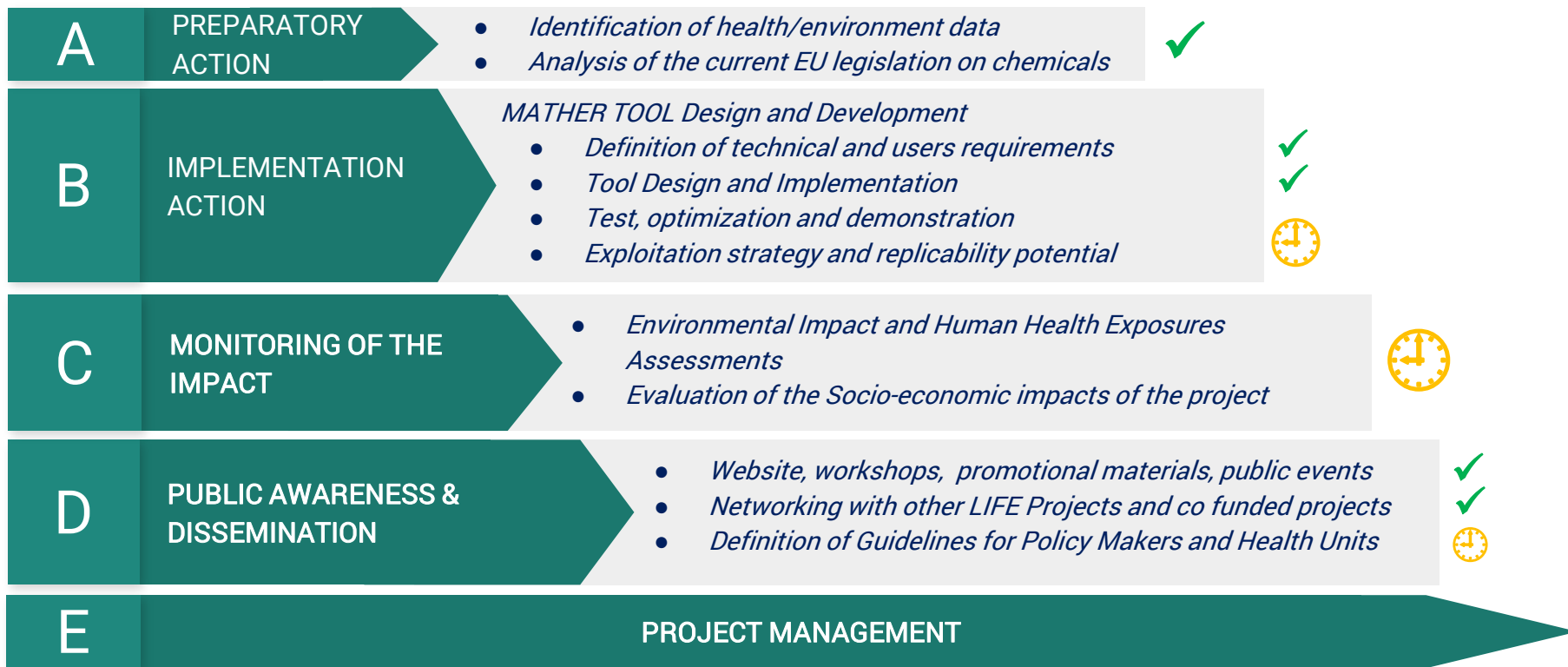
The LIFE MATHER project, thanks the development of an IT tool, will connect the list of materials used by a company in its products with the material related impacts on environment, health and regulations. This will provide an effective support to companies for design activities, giving the possibility to identify the materials with more relevant impacts and find a solution to substitute them with more environmentally friendly materials.

EXPECTED RESULTS

The LIFE MATHER Tool will be able to **alert on use of hazardous materials, chemicals and processes** pushing firms to amend and replace inappropriate conditions and will supply firms and users with information and **suggestions for product / process alternatives of lower environmental & health impacts.**

- **Reduction of costs and time** related to the continuous updating of materials DB
- **Early identification** of a normative change
- **Full transparency** of the supply chain
- **Reduction of costs** related to the purchase of not compliant material
- **Increased of company competitiveness** in the market for “environmental and health care”
- **Increased awareness** about the use of critical chemical materials
- **Increased awareness on consumers** about the need of a transparent supply chain
- **Increased suppliers motivation** on using recycled materials

ACTIONS OVERVIEW



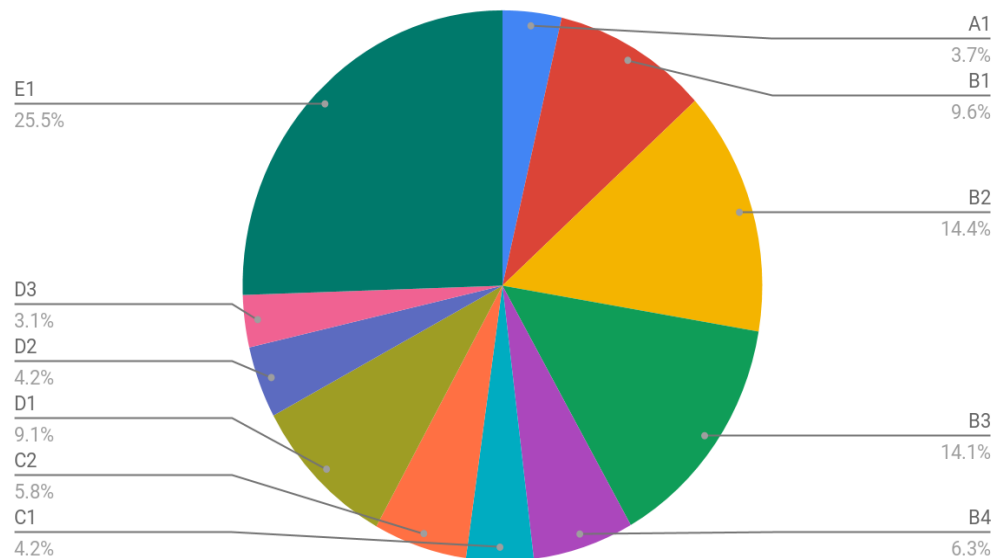
BUDGET OVERVIEW



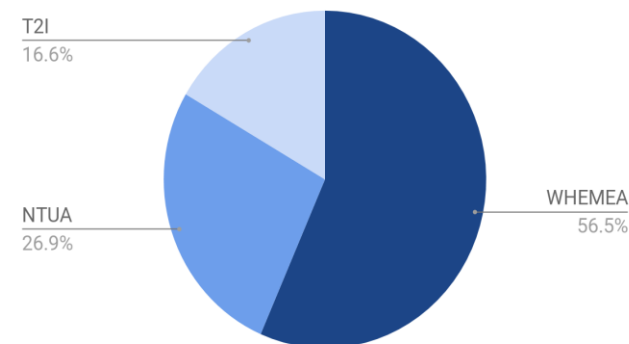
TOTAL BUDGET: € 1.580.774

GRANT: € 935.521

BUDGET BREAKDOWN PER PROJECT ACTION



BUDGET BREAKDOWN PER PARTNER



LIFE MATHER

Main actions

ACTIONS B - THE LIFE MATHER TOOL



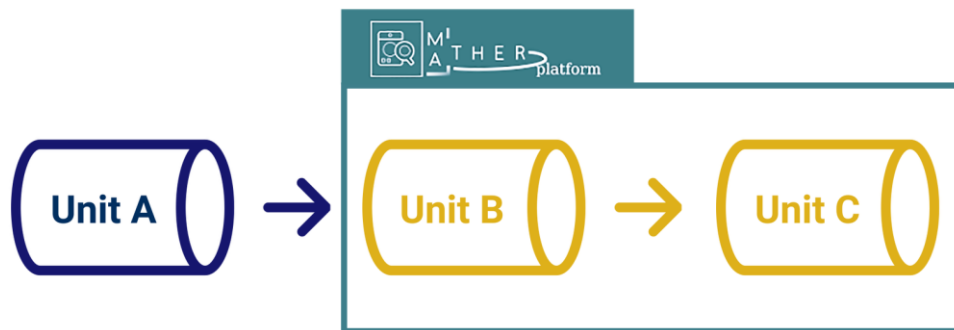
WHAT

A new chemical monitoring data tool performing the match between the bill of materials and the manufacturing, health and environment data in order to evaluate possible alternative materials.



ACTIONS B - THE LIFE MATHER TOOL

TOOL CONCEPTUAL DESIGN



The Mather tool consists of 3 Units

UNIT A

Focuses on the *critical material management system*

UNIT B

Performs Data Analysis like *Life Cycle Assessment*

UNIT C

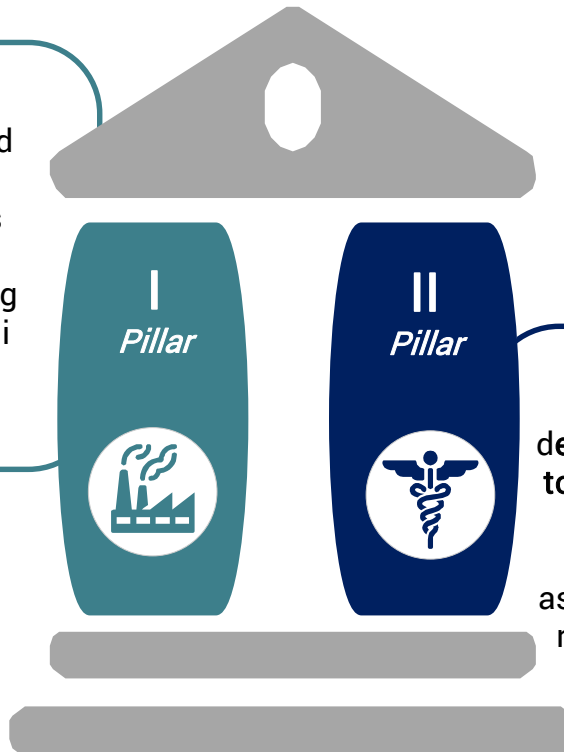
Reports the *final results*

The **Mather Platform** integrates Unit B and C

ACTION B - REPLICABILITY POTENTIAL

Different companies/industries involved for:

- collecting requirements with surveys and F2F interviews
- showcase MATHER Tool demo during the validation phase by planning mini workshop and seminars



Involvement of Health Units with a **dedicated demo session to appreciate the tool and collect their feedback** in order to better respond to the requirements of public strategy definition in terms of assessment of exposures from chemicals related to the monitoring of human and environmental health:

ACTIONS D - INFORMATION & AWARENESS

One of the roles of LIFE MATHER project will be to disseminate the results and raise awareness regarding the harmful effects of specific substances

Make **POLICY MAKERS** aware of the project outcomes to enable the updating of their policies, regulations, strategies with respect to the current environmental, economic and social framework.



Make **HEALTH CARE SYSTEM** aware of project outcomes for assessing symptoms, causes and find appropriate treatment approaches against health diseases induced by exposure to chemicals

Guidelines and Roadmapping for Health Units and Policy Makers

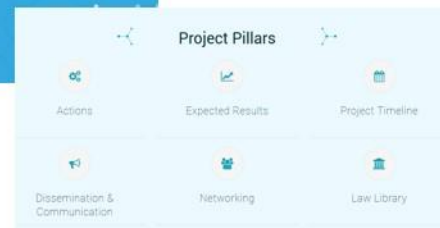
ACTIONS D - COMMUNICATION&DISSEMINATION TOOLS



Brochure



Project website



Gadgets



Social Media



Roll up

ACTIONS D – NETWORKING PROJECTS



OPEN CALL



ACTION E - PROJECT MANAGEMENT

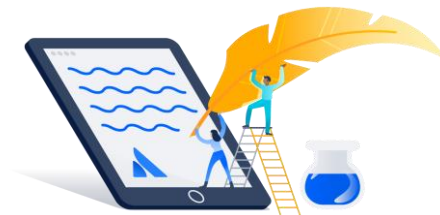


COORDINATION & MONITORING

- [Monthly Consortium Calls](#) to have a full alignment about progresses, to share ideas and plan next steps
- Monitoring file constantly updated
- Ad hoc calls/meetings per Action, lead by Action Leaders
- Periodical face to face meeting (about every 6 months)
- List of contact person per Partner and per topic/action
- [Drive repository](#) for documents sharing

ADMINISTRATIVE&FINANCIAL DOCUMENTATION

- Preparation and signature of the [Consortium Agreement](#)
- Definition and collection of the official administrative and financial documentations
- Constant monitoring of financial progresses & status
- Preparation and coordination for the reporting reports (Mid term, Progress, Final)



RELATIONS WITH THE MANAGING AUTHORITY

- Participation to the official KoM held in Bruxelles and sharing of the inputs collected with partners
- Established collaboration with Monitor
- Constant update on news coming from the EASME (i.e. New indicators system, new financial statements, ecc)

BENEFITS OF THE LIFE PROGRAMME

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How does LIFE Programme produce benefits for...

COMPANIES

Boost company's environmental investments and innovations



Innovation risk sharing



Enhance visibility and results' dissemination



Create new valuable partnerships



Foster competitiveness and company added value to the community



STAKEHOLDERS & COMMUNITY

Create awareness on critical environmental themes



Key SHs involvement and commitment



Create accessible know how



Integrate different point of views



Support policy makers in defining new policies



BENEFITS OF THE LIFE PROGRAMME

How does LIFE MATHER Project produces benefits on...

COMPANIES

Contribute in supporting companies' environmental strategies



Reduce time to compliance with regulations



Reduce internal costs



Increase competitiveness in the market



Positive image return for branding



STAKEHOLDERS & COMMUNITY

Full transparency materials used along the whole supply chain



Increase awareness on the use of critical materials



Use of results in the Health Sector



Use of results for new policies implications



Strong replicability potential in several sectors



BENEFITS OF THE LIFE PROGRAMME

How do we integrate MATHER Project results in our everyday business?



<https://www.whirlpoolcorp.com/environmental-sustainability>

THANK YOU!

www.matherproject.eu

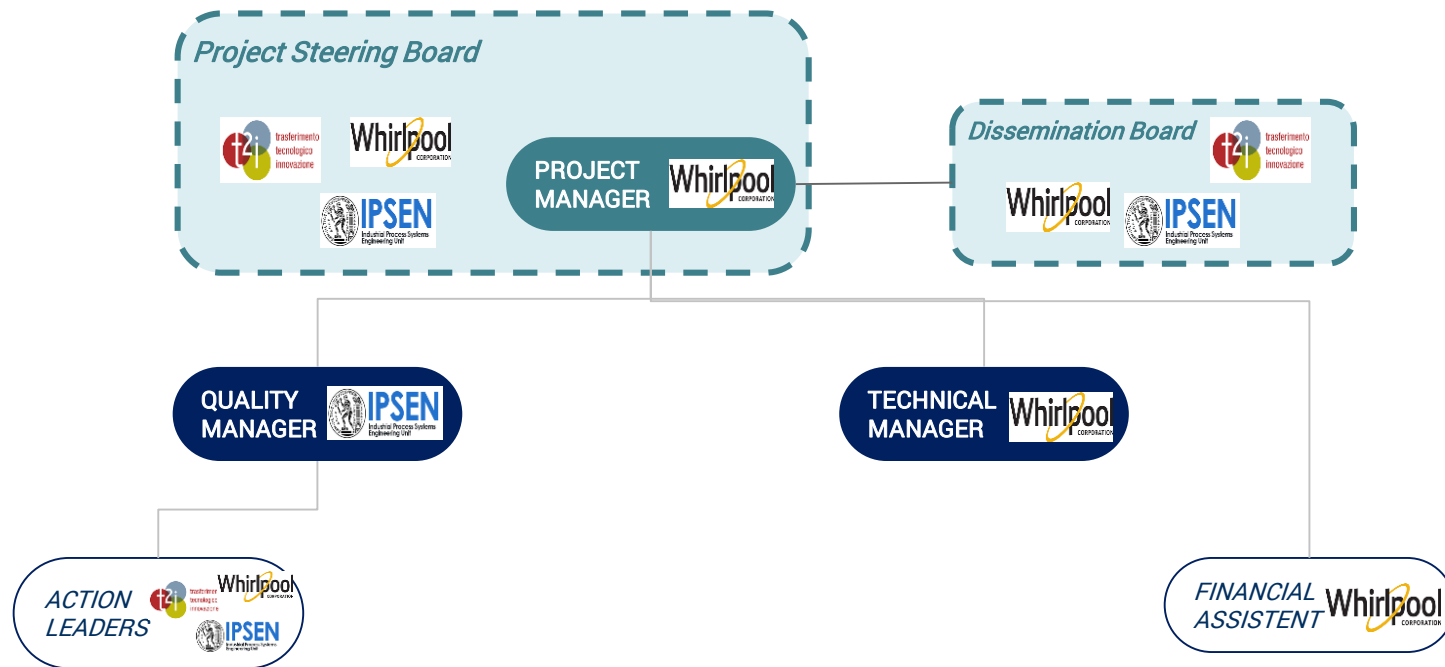


BACK UP

DELIVERABLES OVERVIEW

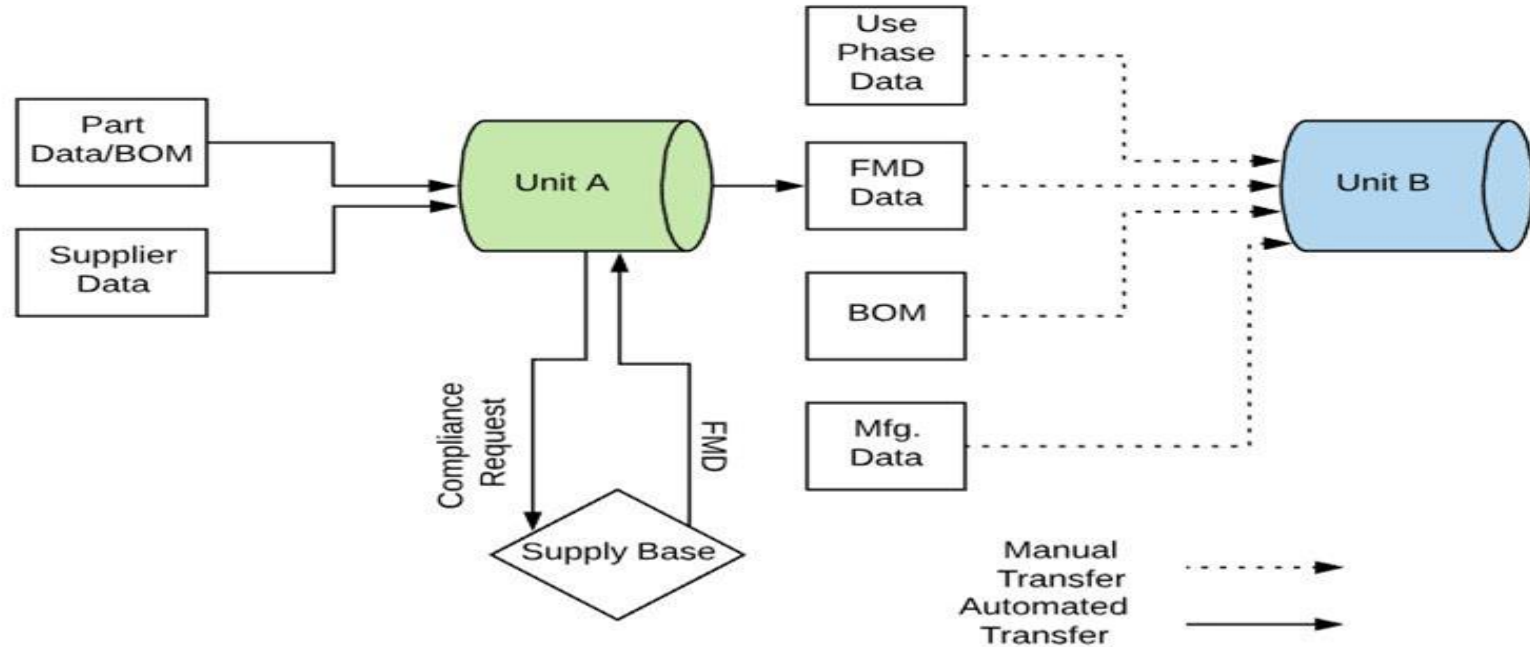
A	PREPARATORY ACTION	A1.1 Report on health/environment data and EU legislation ✓
B	IMPLEMENTATION ACTION	B1.1 Report on market materials data ✓ B1.2 Report on user / technical requirements ✓ B2.1 LIFE MATHER Chemical monitoring data tool demo ⌚ B3.1 Tool validation through material substitution ⌚ B3.2 Report on the established link and activities between IPCheM and the LIFE MATHER project ⌚ B3.3 Report on demonstration activities ⌚ B4.1 Exploitation & Business Plan ⌚ B4.2 Replicability/ transferability plan ⌚
C	MONITORING OF THE IMPACT	C1.1 1st KPIs progress reporting ✓ C1.2 2nd KPIs progress reporting ⌚ C1.3 LCA and exposures assessment on the validation data ⌚ C1.4 3rd KPIs progress reporting ⌚ C2.1 Report on socio-economic impact assessment ⌚
D	PUBLIC AWARENESS & DISSEMINATION	D1.1 Dissemination Plan ✓ D1.2 Website ✓ D1.3 Stakeholders' feedbacks on project's outputs ⌚ D1.4 Notice boards ⌚ D1.5 Layman report ⌚ D1.6 Dissemination activities final report ⌚ D2.1 Guidelines for Policy makers and Health unit ⌚ D2.2 Roadmaps for Policy makers and Health units ⌚ D3.1 Networking activities Report ⌚
E	PROJECT MANAGEMENT	E1.1 Project Management and Quality Plan ✓ E1.2 After Life Plan ⌚ E1.3 Green Procurement Report ⌚

PROJECT MANAGEMENT STRUCTURE



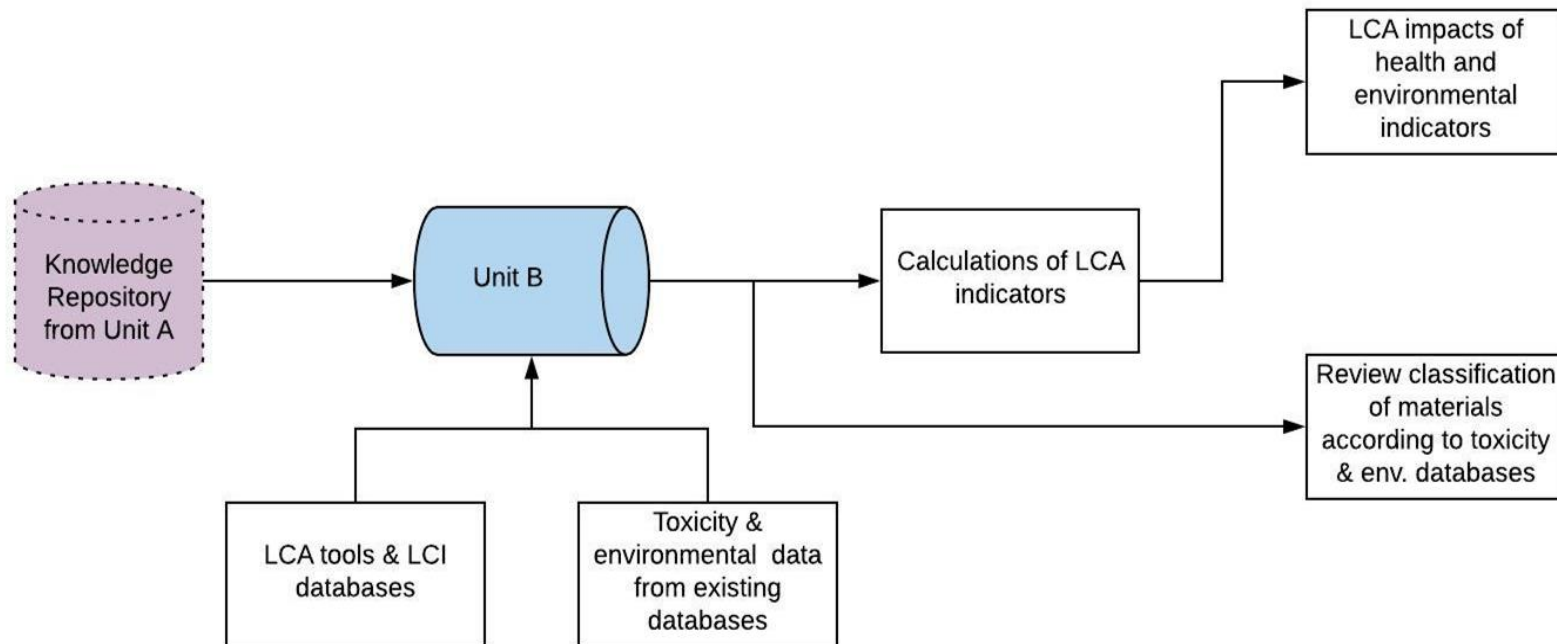
THE LIFE MATHER TOOL

UNIT A is an online compliance system for sending, receiving, processing and storing material compliance data.



THE LIFE MATHER TOOL

UNIT B is the intermediate layer providing the core logic, functions and operations of the platform.



THE LIFE MATHER TOOL

UNIT C is the final level of the platform producing a visual representation of the results

