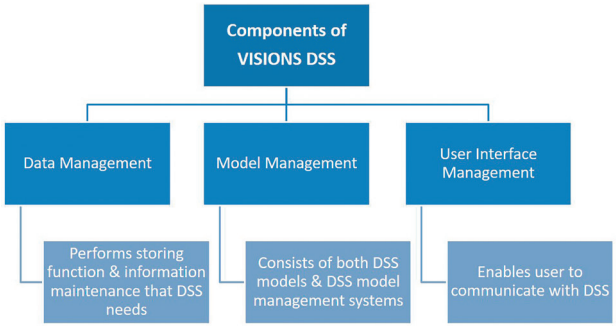
Benefits of the VISIONS DSS

- Improves efficiency and speed of decision-making activities
- Increases the control, competitiveness and capability of future decision-making
- Facilitates communication
- Encourages learning or training
- Reveals new approaches and sets up new evidences for an unusual decision
- Helps automate managerial processes
- Allows integration of existing & new models and tools in a modeling chain supporting Air Quality and Energy Policies option assessment

VISIONS DSS Platform intends to serve as a web-based Guidebook for the characterization of the sustainability of photocatalytic applications and the enhancement of air quality & energy efficiency



Partners:

National Center for Scientific Research DEMOKRITOS (Coordinator)

Foundation of Research and Technology – Hellas

Aristotle University of Thessaloniki

VITEX S.A.

EVOLUTION PROJECTS PLUS

The project has received funding from the LIFE Programme of the European Union under GA number LIFE19 ENV/GR/000100

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LIFE-VISIONS

LIFEVISIONS

InnoVative photocatalytIc paintS
for healthy envirOnment and eNergy Saving

VISIONS - LIFE19 ENV/GR/000100

InnoVative photocatalytIc paintS for healthy envirOnment and eNergy Saving

Description: The main scope of the project is the production of an innovative photocatalytic paint, which aims at improving the quality of the indoor environment while it will enable significant energy savings in buildings.

Budget Info:
Total amount: 1,403,752 Euro (EC Co-funding: 54%)
Duation: Start: 07/09/20 – End: 06/09/23

LIFE VISIONS DSS

VISIONS DSS Platform is developed in the framework of the LIFE VISIONS project as a multi-criterion IT modular tool in order to provide predefined possible solutions for estimating the effects of photocatalytic application.

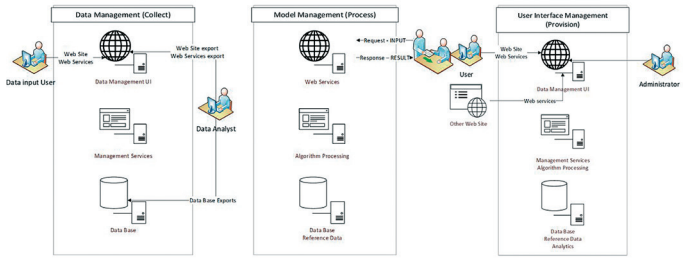
The tool aims to support the decision of stakeholders and end users on the suitability of photocatalytic applications based on energy efficiency, sustainability and financial feasibility.

It addresses to stakeholders and end users (Building Construction, Paint Companies, Local Authorities) and supports the following kind of decisions.

- Effectiveness of photocatalytic application
- Provides multi-criteria predefined solutions
- Support for decision makers on the suitability of the solution based on energy efficiency, sustainability, financial feasibility
- Best practice examples

Attributes of VISIONS DSS platform

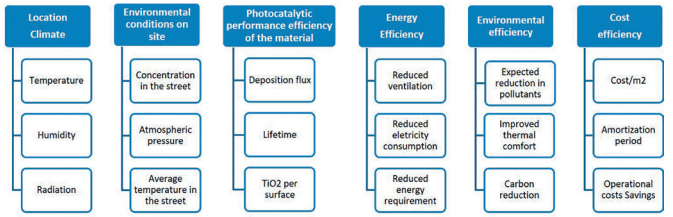
- Adaptability and flexibility
- High level of Interactivity
- User friendly
- Efficiency and effectiveness
- Ease of development
- Support for modeling and analysis
- Support for data access
- Standalone, integrated and Web-based



Objectives of the VISIONS DSS

Support for decision-makers to estimate the effect of each photocatalytic application to Air Pollutants elimination & Energy Savings

- Problem diagnosis related to a particular product
- Comparison of improvement variants of a given product
- Design of new products
- Best practice between a number of existing comparable products



Support for intelligence, design, choice, and implementation

- Intelligence: Systematic & continuous search for conditions that will generate better decisions
- Design: Developing & Analyzing possible alternative actions and evaluating the pre-existing or future generated actions
- Choice: Selecting a set of actions generated by well structured & stable algorithms
- Implementation: Adopting the selected set of actions in decision situations