REPAiR

REsource Management in Peri-urban AREas: Going Beyond Urban Metabolism

D8.5 Project website

Version 1.2

Author: Denis Cerić (IGiPZ)

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Contact of responsible author: d.ceric@twarda.pan.pl

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Dissemination level:
• PU = Public
• CO = Confidential, only for members of the consortium (including the Commission Services)
## Change control

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Acronyms and Abbreviations

DEM  Dissemination and Exploitation Manager
EU   European Union
ICT  information and communications technology
IGiPZ Institut of Geography and Spatial Organization
PULL Peri-Urban Living Labs
SP   SharePoint
TUD  Delft University of Technology
UNINA University of Naples Federico II
WP   Work Package
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Publishable Summary

This report describes the design of the REPAiR website: www.h2020repair.eu. The website is above all intended to provide a principal channel for dissemination and exploitation thus tailored for the purpose of external communication. The project website contains principal information about the project, its objectives, publishable results, list of partners and events, and copies of public deliverables and any documents that are declared as public by the consortium. Website contains subscription for newsletter as well as links to REPAiR’s profile on easily accessible commonly known and recognised social networking sites: Facebook, Twitter, LinkedIn, Google+, Research Gate and Academia.edu).

The website is set up and administered by the IGiPZ.
1. Development of the website in brief

The project public website is developed by the coordinator IGiPZ. The project team at IGiPZ includes the following persons:

Denis Cerić, website administrator
Konrad Czapiewski
Michał Konopski

A brief history of the development of the website:

- During the submission of the project the consortium partner IGiPZ is appointed for project dissemination activities, including the REPAiR's website management and maintenance.
- In September 2016, during project’s PULL and WP meeting in Ghent, it is decided that website should be user-friendly with easy navigation contents, informative and a central place for dissemination of the project and its results. After the meeting the sitemap is created by DEM Denis Cerić, send for feedback to consortium members and afterwards upgraded with the comments.
- In October 2016, Alexander Wandl, project coordinator, asked TUD’s ICT department to register the domain for REPAiR project, and soon after the domain www.h2020repair.eu is registered and paid for one year in advance.
- At the end of October 2016 draft version of the website is prepared and published by Alexander Wandl, project coordinator.
- At the end of October 2016, during project’s kick-off meeting, it is concluded that all scientific consortium members will participate in financing professional development of the website, while IGiPZ will be coordinating its development.
- During December 2016 and January 2017 inquiries has been made by IGiPZ in order to find the website developer. Meanwhile, Denis Cerić, Michał Konopski and Konrad Czapiewski were preparing contents for the website.
- In February 2017 website developer prepared the website to be transferred to the project’s domain and after the cession agreement between TUD (the first owner of the domain) and IGiPZ (new owner) has been signed, the web is created and presented to the consortium members for review. Some requests and changes were implemented in February 2017, but since website is a “living being” of the project, further members’ suggestions will be implemented in the website in the future as well.
- On 28 February 2017, the website was officially made available online.
2. Website design considerations

The REPAiR’s corporate identity, including all kind of layout designs used in website development, is accomplished by UNINA team: Libera Amenta and Anna Attademo (D 8.1 Corporate Identity).

The following considerations played a role in the development of the website:

- The template design should give a clear and professional impression.
- The website is primarily to be used as a tool for informing the public on the existence of and progress made in the REPAiR project. Hence, a clear and simple navigation structure was to be implemented. Specifically:
  - The logo, project’s acronym, name and main website navigation structure is always shown on the top of the webpage, which remains unchanged no matter on which page or which part of the page one is (this part is frozen).
  - The submenus (sub-navigations) are always shown on the left of the homepage, except on homepage.
  - The logo and the project’s acronym and a full name always appear on the upper-left corner. It is clickable, leading to the website homepage.
  - The bottom of every page consists of the searching engine for the website, sitemap, subscription for project’s newsletter section, as well as links to REPAiR’s profiles on following social networking sites: Facebook, Twitter, LinkedIn, Google+, Research Gate and Academia.edu). The bottom also contains disclaimer, information on funding from the European Union’s Horizon 2020 research and innovation programme and EU flag.
- Consortium confidential information is not shared through the public website. Instead, there is a password-protected SP run by TUD and the website main navigation structure contains ling to login to the SP.
- The website was registered under the .eu domain. The official website address is: www.h2020repair.eu
- Content management is to be executed by the consortium member IGiPZ.

The content of the website is provided by IGiPZ (coordinator) and the consortium members, and will be updated regularly. Meetings and email communication will be used to bring the website under attention of the consortium, and to ask for (additional) inputs for the content.
3. Website structure and appearance

The website has the following structure:

- homepage
  - central part: REPAiR project in brief in central part including picture
  - right side: news feed (list of news links with picture)
  - top:
    - logo, project's acronym and full name
    - main navigation menu:
      - homepage
      - about
        - objectives
        - concepts
        - methodology
        - ambition
        - innovation potential
        - impact
        - stakeholders
        - relation to the WP
        - consortium
        - organizational structure
        - contacts
  - news
    - news & events
    - events calendar
    - newsletters
    - press releases
  - case studies
    - PULL Amsterdam (NL)
    - PULL Ghent (BE)
    - PULL Hamburg-Altona & County of Pinneberg (D)
    - PULL Łódź (PL)
    - PULL Naples (I)
    - PULL Pécs (HU)
  - results
    - project reports
    - knowledge transfer handbook
    - scientific papers
    - other
  - geoDesign
    - GDSE manual
    - GDSE download
  - links
login

- disclaimer and information on funding from the European Union’s Horizon 2020 research and innovation programme together with EU flag
- searching engine for the website
- links to REPAiR’s profiles on: Facebook, Twitter, LinkedIn, Google+, Research Gate and Academia.edu
- subscription for project’s newsletter section
- sitemap

Pictures showing choice of print screens of the website (taken on 24 February 2017):

![Print Screen of Website](image-url)

*homepage – top and central part*
In the European Union (EU), 24 tons of material are used per person per year. This inflows that into urban areas become part of the urban ecosystem in the form of landscapes, waste treatment plants, and physical infrastructure, while the outputs of urban areas are exported back to the hinterlands and distant locations as pollutants and consumer products. Research in material flows and related fields have formed these material and energy inflows and outflows as a city’s urban transformation (AUT). In the EU, out of these 24 tons, 6 tons become waste (EC, 2010). This waste production indicates the limited ability to use resources efficiently such as their transformation into consumer goods and waste's transformation back into valuable resources.

However, waste production results in competition for water and land use, increasing rates of adverse environmental effects such as climate change and ecosystem balance, and, finally, reduces quality of life. About 60 percent of the land used to meet the EU’s consumption demands is located outside its territory. Europe is thus the continent most dependent on land and resources beyond its borders to sustain its consumption patterns, agricultural inputs, and energy demands (Andresen et al., 2015). Transitioning towards a more circular economy is crucial to delivering the resource efficiency agenda established under the Europe 2020 strategy for smart, sustainable, and inclusive growth. The recently withdrawn amendment of the EU’s Waste Framework Directive on Waste (2008/98/EC), Packaging, Landfill, and other waste has been on concrete goals for the recycling and recovering of waste or non-hazardous waste, as well as a variety of other waste fractions, and increases the sharing out of materials. REME in this phase of remapping provides a toolbox of the possibility for public and private actors to simulate and assess projects, policies and spatial data towards a more circular economy.

A resource-efficient Europe can only be achieved with a policy mix that optimizes synergies and addresses trade-offs between different areas and policies (EC, 2014). Thus, local authorities, citizens, and other stakeholders need a collaborative and inclusive decision environment that allows for developing different waste and resource management options and assessing their impacts on environmental resilience, spatial quality and the quality of life. Conducting robust assessments of options for improving waste and resource management in the EU is essential but the availability of data remains a key challenge (EC, 2014, 2016). Ideally, waste management data should include variables affecting complex system behavior in order to understand the relationships between socio-economic and environmental dynamics and the built environment, making the concept of urban metabolism more applicable.

Therefore, the key innovations of this project are the integration of dynamic resource flow modeling to resource allocation integrated with spatial and regional planning, in the human behavioral process. REME aims to per-urban regions across Europe to develop, test, and implement a G2O, as a tool for developing site-specific solutions to ensure resource efficiency and urban metabolism.
REPAIR - REsource Management in Peri-urban AREas
The consortium REPAIR is technically competent to develop the CENE and well-balanced, as it brings together expertise from the best European universities, research institutions, local and regional authorities and leading businesses in waste treatment and circular economy development and SH/RIs, heading the development of spatial decision support systems. The partner selection and work distribution have been done strictly according to the distribution of competencies as well as knowledge and involvement in resource management and development of the circular economy within the case study areas. The need for a European approach is evident, as none of the partners could alone reach the proposed aims and objectives with resources available at a rational level. The consortium is completed by the project office of the TU Delft Waterleiding Beheer, which is in charge of the administrative, legal and financial aspects of the REPAIR project in close cooperation with the scientific coordinator from TU D.

Project participants during Kick-off meeting:

With 13 partners, the consortium is rather large for a research project. This choice was made deliberately.
REPAIR - Resource Management in Peri-urban AREas
case studies

PULL Amsterdam (NL)

REPAIR - REsource Management in Peri-urban AREas
The outcomes of REPAIR will be of relevance and use to a wide variety of stakeholder groups including:

1. Government: Regional and local governments, National EU policy makers interested in enhancing waste management within their territories, yet struggling with the complexity of this public task, and involvement of private partners, are expected to take advantage of the GOSE.

2. Research and Education: Research and Higher Educational Institutions. REPAIR’s scientific results - diffused through academic papers, reports, conference presentations and other means - will be taken up by the interdisciplinary research and education community working on urban metamorphosis and waste management operating a range of disciplines, from urban and regional studies, spatial planning to geography and environmental sciences. The researchers will also take advantage of the data produced by REPAIR, which will be made available on an open access basis for the purpose of further research drawing on REPAIR’s findings.

3. Industry: Waste Management companies, Energy companies, Waste producers, Urban planning and design industry. The GOSE will offer businesses in waste-related industries an attractive and adjustable tool for improving their own practices (reducing waste generation, enhancing waste treatment, promoting recycling of materials, reusing waste to produce energy, etc.) as well as a basis for developing a new decision-support software tailor-made to their activities and markets.

4. Civil society: NGOs. People of the place, general public dealing with environmental issues, groups and associations of local inhabitants concerned with the local environment, the local economy or the spatial quality.

A SW is towards a more circular economy is crucial to a more sustainable and inclusive growth. The core objective of REPAIR is to provide local and regional authorities with an innovative interdisciplinary open-source geodesign decision support environment (GOSE) software developed and implemented in Foligno’s in a metropolitan area. The GOSE allows creating integrated place-based co-innovative spatial development strategies aiming at a quantitative reduction of waste flows in the strategy interface of peri-urban areas. These strategies will provide the user of a new resource, thus supporting the ongoing initiatives of the European Commission towards establishing a stronger circular economy. The identification of such eco-innovative strategies will be based as much as possible on the integration of the cycle hierarchy and geodesign in order to operationalize urban metamorphosis. The GOSE will be available here.
3. **Website management and maintenance**

The website is designed, created and will be subsequently managed by IGiPZ, with input from the consortium.

For the website administrator is appointed Denis Cerić (IGiPZ), who is also DEM of the REPAiR in whole. Administrator login and password will be known to IGiPZ consortium member coordinator Konrad Czapiewski, as well as to REPAiR project coordinator Alexander Wandl.

Consortium members will be frequently asked to inform and send materials for publication on website and social networks by DEM. Those materials will be published in a proper places, while every publishing will be followed by a short news on website’s homepage newsfeed, as well as on chosen social networks.