

**HYPERMEDIA APPLICATIONS 2020**

# ***Design Document***

---

*Bianco Luca 915240 luca3.bianco@mail.polimi.it*

*Consonni Luca 920040 luca3.consonni@mail.polimi.it*

<https://hypproject1920.herokuapp.com/>

*Delivered 24/04/2020*



# TABLE OF CONTENTS

<b>1 – Abstract .....</b>	<b>4</b>
<b>2 – Graphical Representation .....</b>	<b>5</b>
2.1 – C-IDM .....	5
2.2 – L-IDM .....	6
2.3 – P-IDM .....	7
<b>3 – Design-in-the small .....</b>	<b>8</b>
<b>4 - Interaction Scenarios .....</b>	<b>21</b>
4.1 – Scenario 1.....	21
4.2 – Scenario 2.....	23
4.3 – Scenario 3.....	25
<b>5 - DB Design (E-R diagram and Relational Tables).....</b>	<b>27</b>

# 1 – Abstract

This document reports the Design Project of the website of "Eco Vibes" (link not available yet). Eco Vibes is a no-profit association that provides free services that help to requalify and restructure natural public places. This document provides extensive information about the design structure of our idea of the website, starting from the basic concept to the core elements. Our idea was to create a simple and minimal website able to show, in a clear and effective way, the services proposed by the association.

## 2 – Graphical Representation

The Interactive Dialogue Model, better known as IDM are the diagrams that form and support the design of a webpage. In this kind of methodology of design, the interaction between the user and application is seen as a dialogue. This analysis it evolves through three different diagrams modelled in sequence:

- **C-IDM:** it synthesizes the conceptual modelling of the whole application made to highlights the content and the services offered by the application, the information structure and the general navigation architecture.
- **L-IDM:** it is based on the C-IDM and synthesizes a logical modelling where it's highlights in a clear and detailed way the structure of the information.
- **P-IDM:** it is based on the L-IDM and synthesizes in an abstract way the dialog-navigation architecture of the whole web application, the information structure and the navigation of each page.

### 2.1 – C-IDM

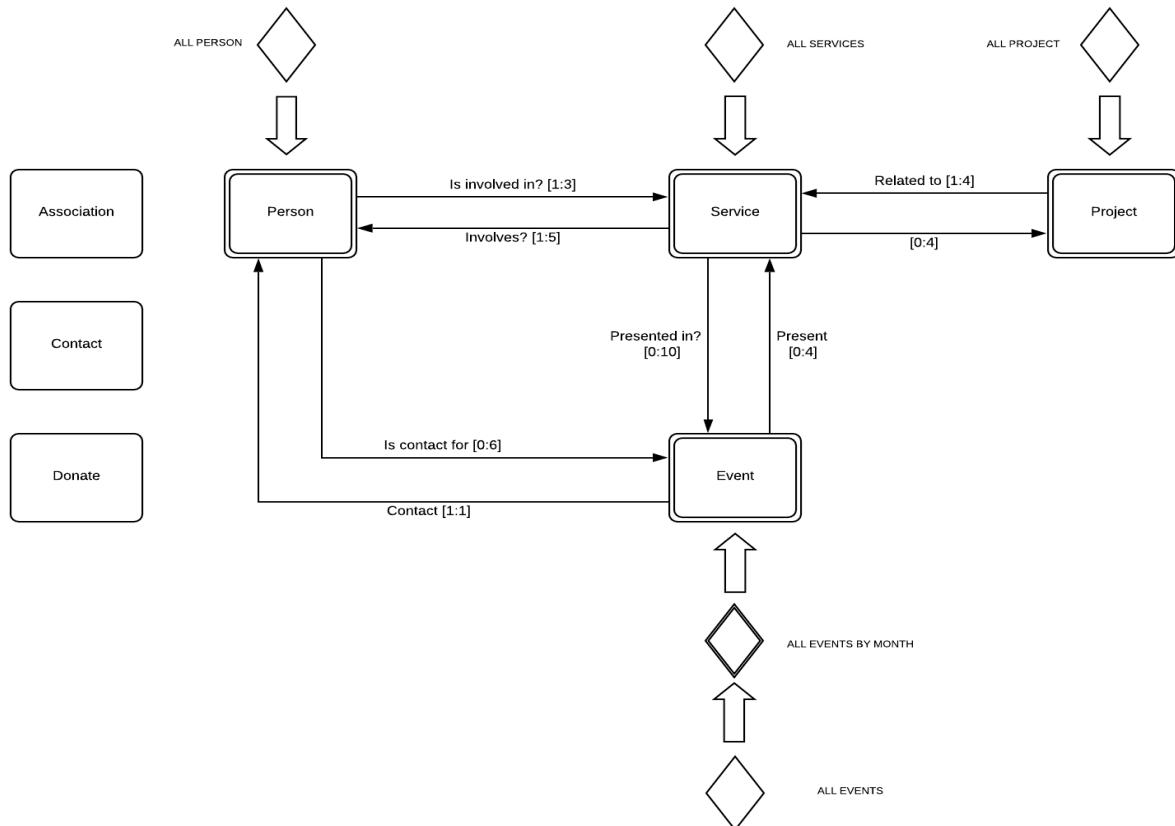


Figura 1 - C-IDM schema

## 2.2 – L-IDM

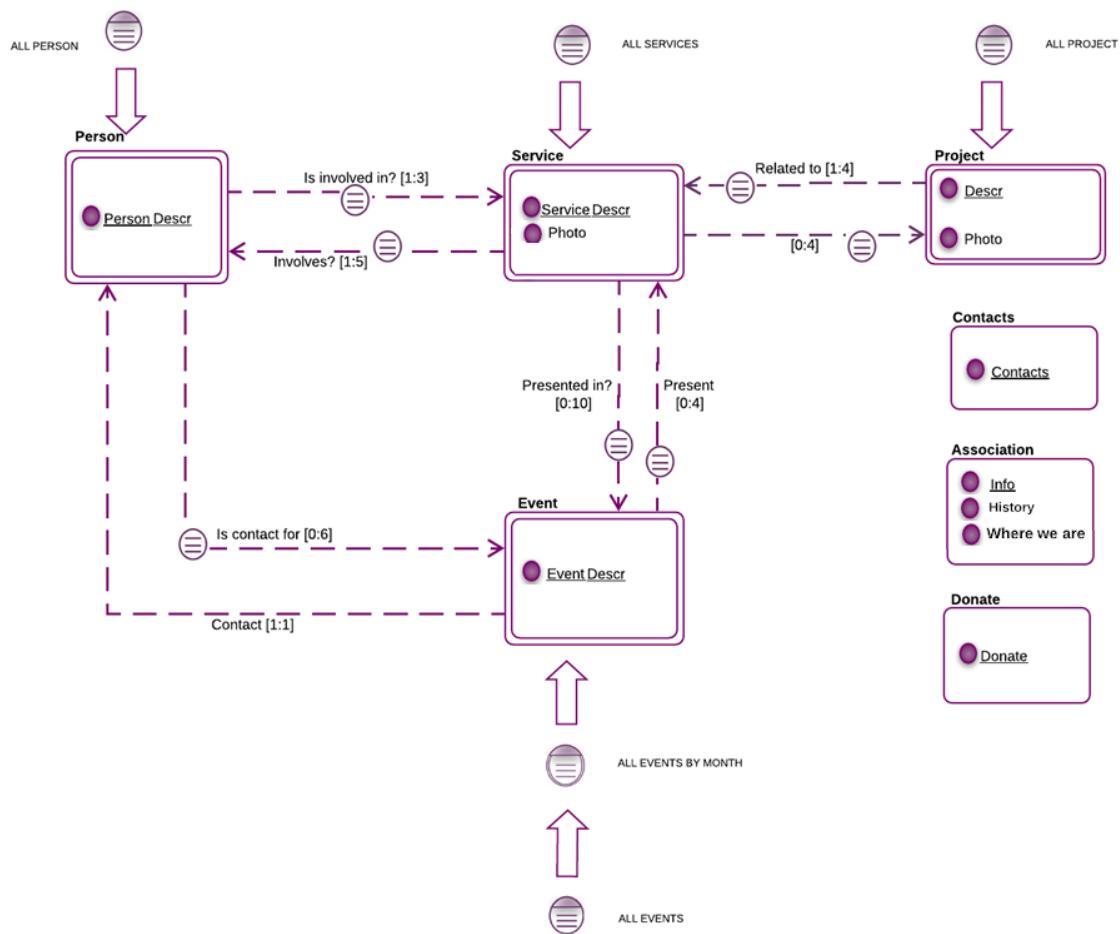


Figura 2 - L-idm schema

## 2.3 – P-IDM

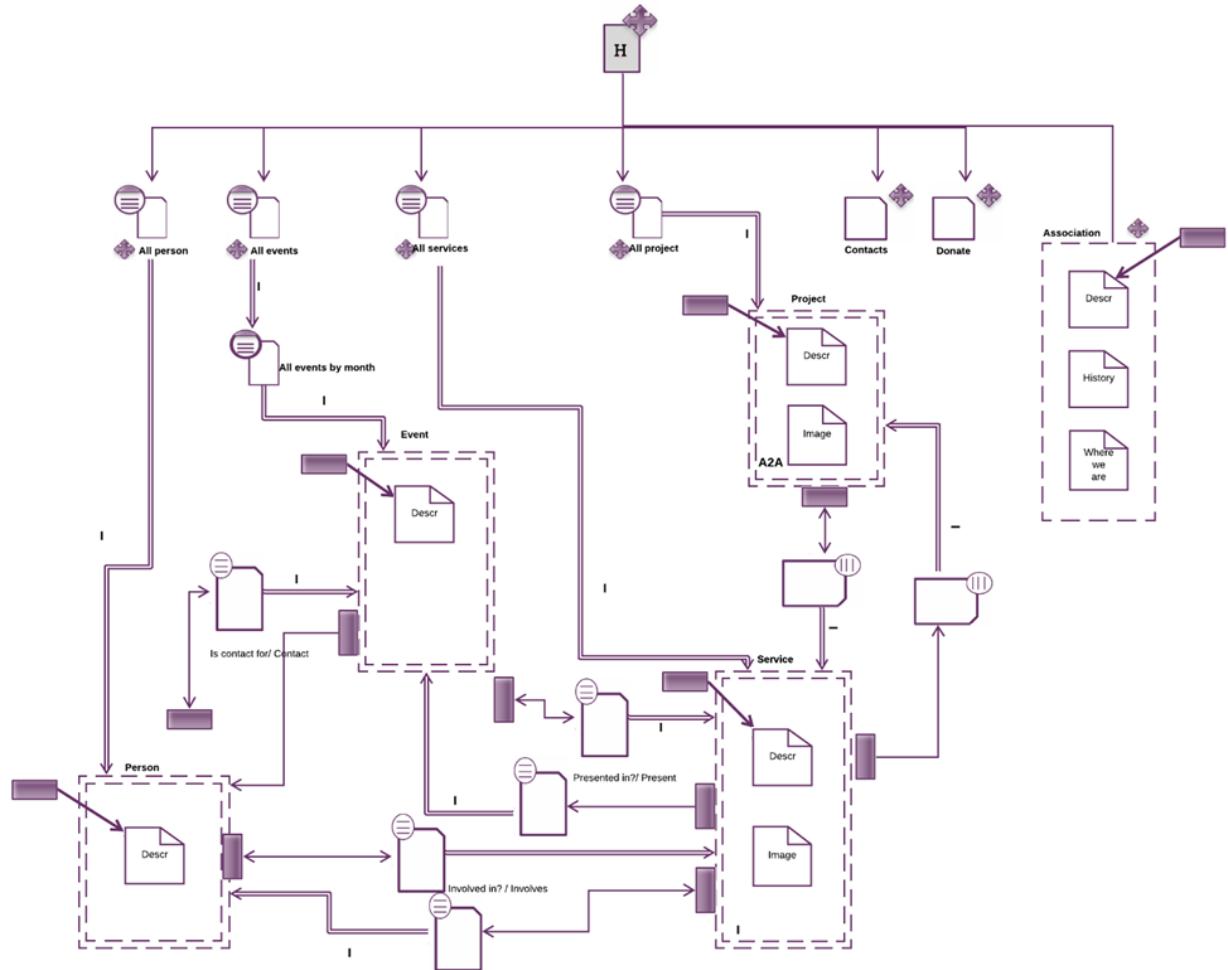


Figura 3 - P-IDM schema

## 3 – Design-in-the small

In this part of the document we will show, given the P-IDM, few pages structure and how contents and link are represented and located.

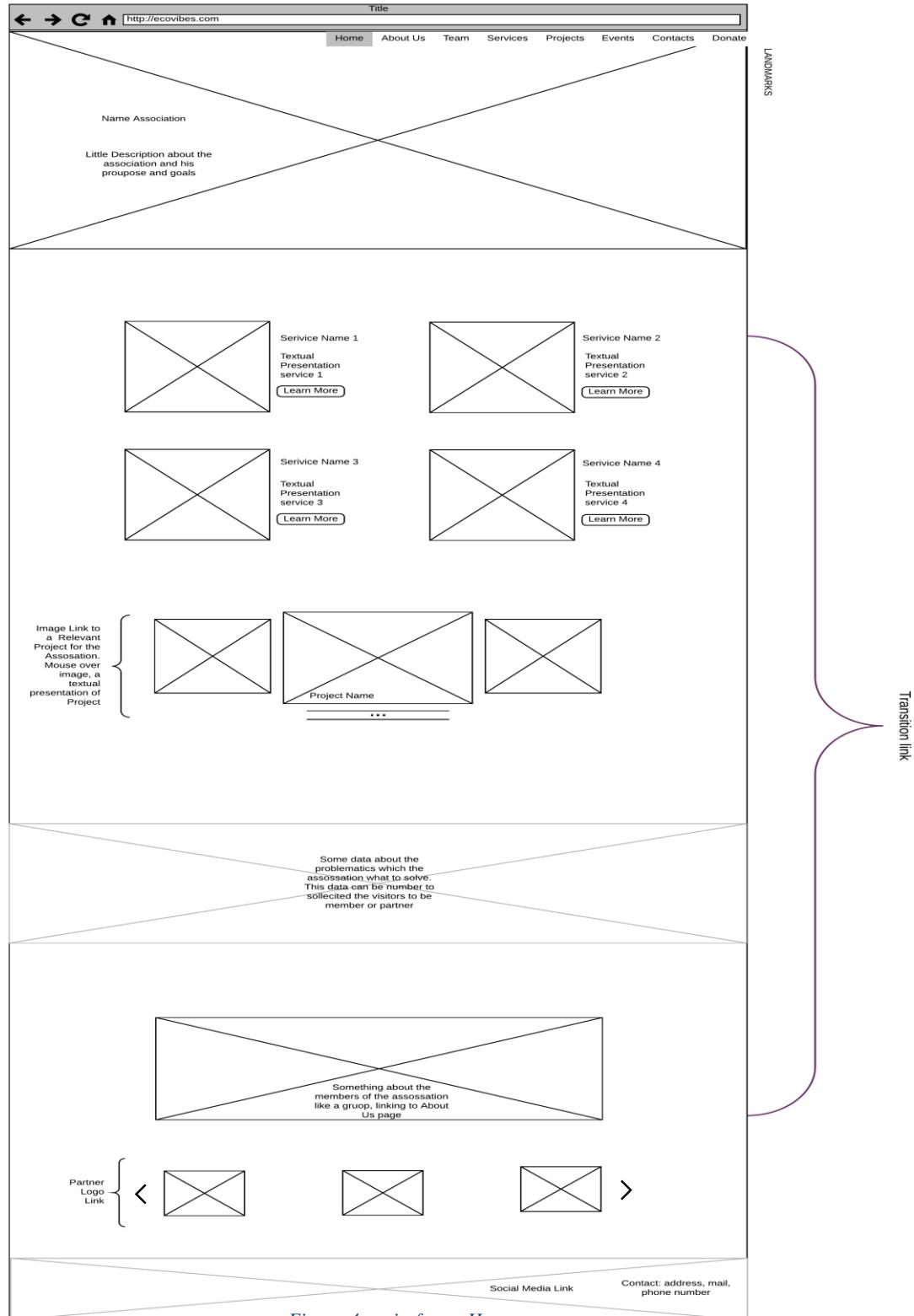


Figura 4 – wireframe Home

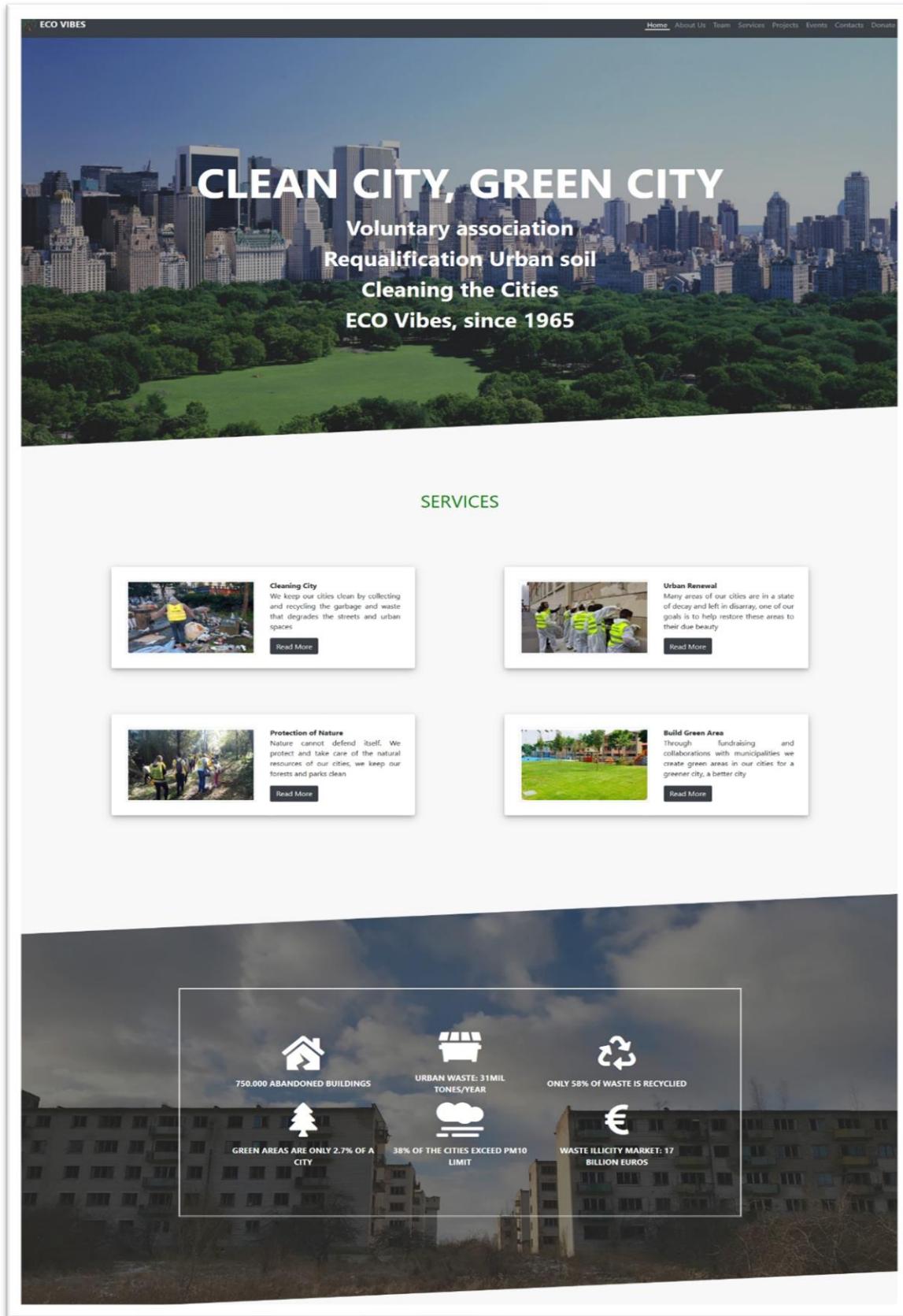


Figura 6 - screenshot home pt1

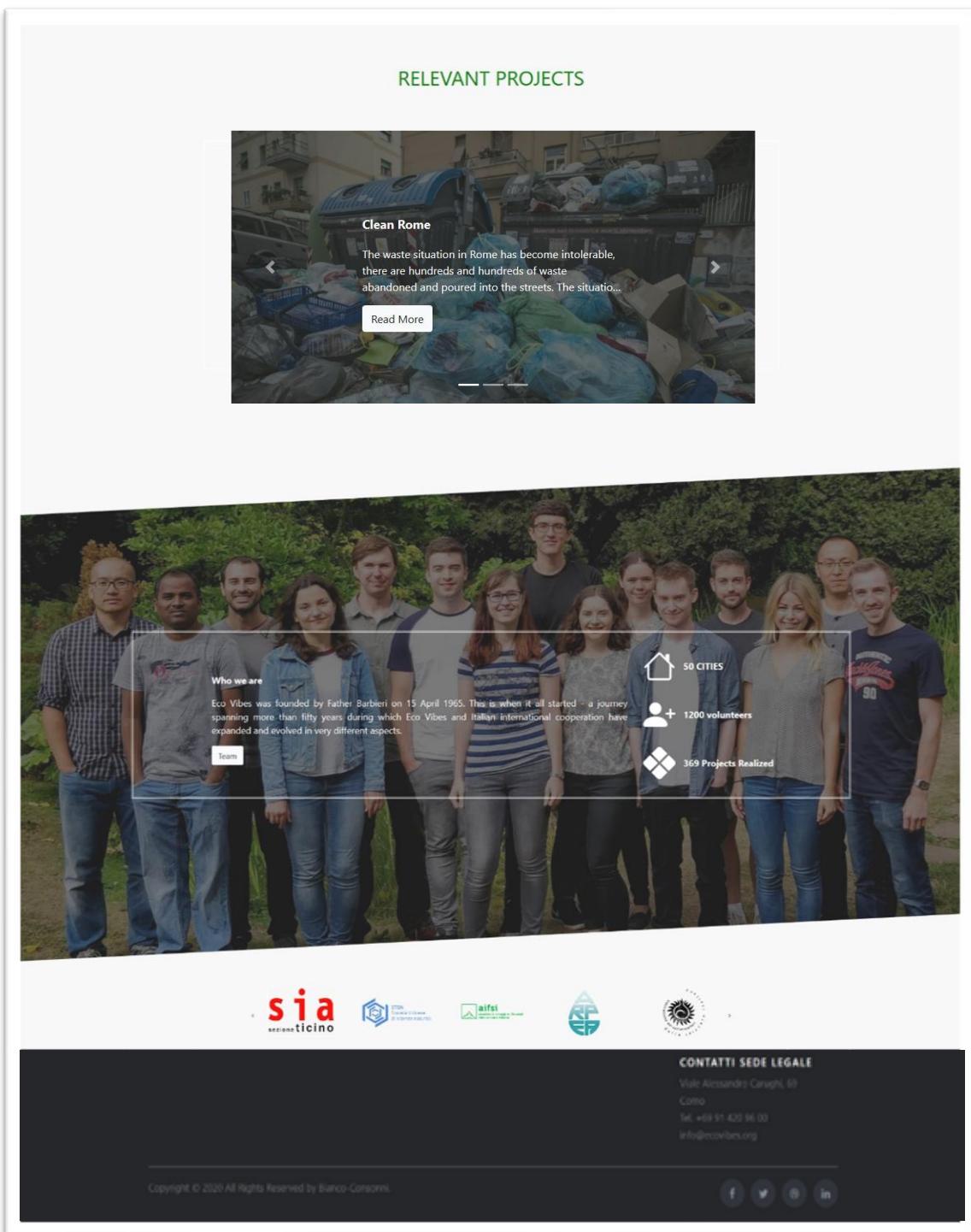


Figura 7- screenshot home pt2

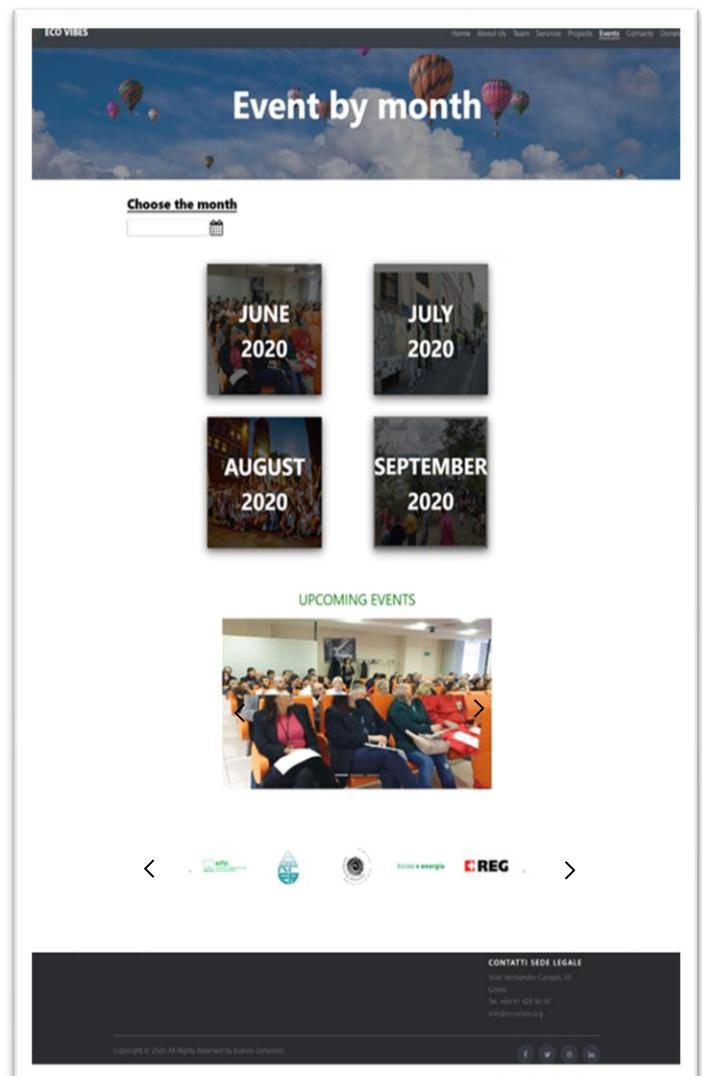
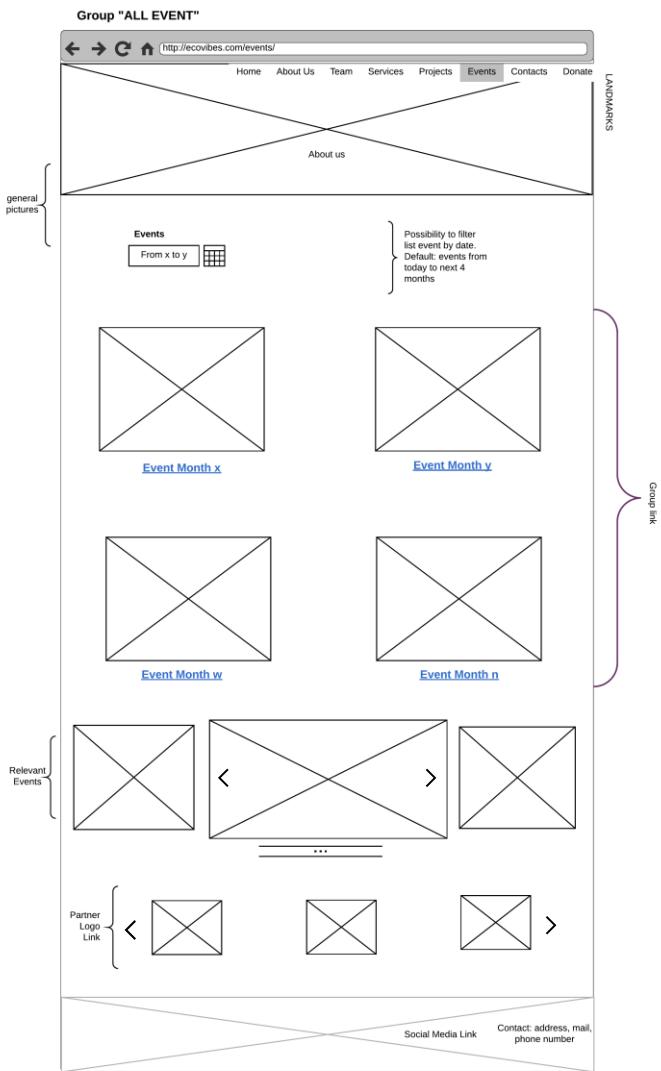


Figura 6 - Group "all event"

Group "ALL PERSON"

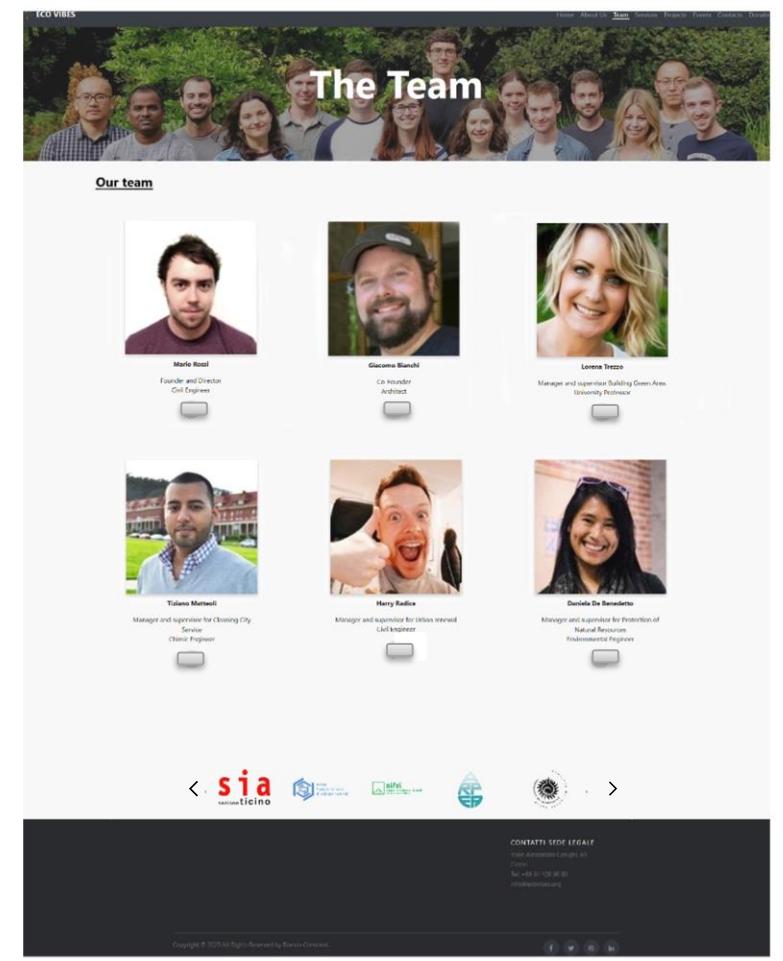
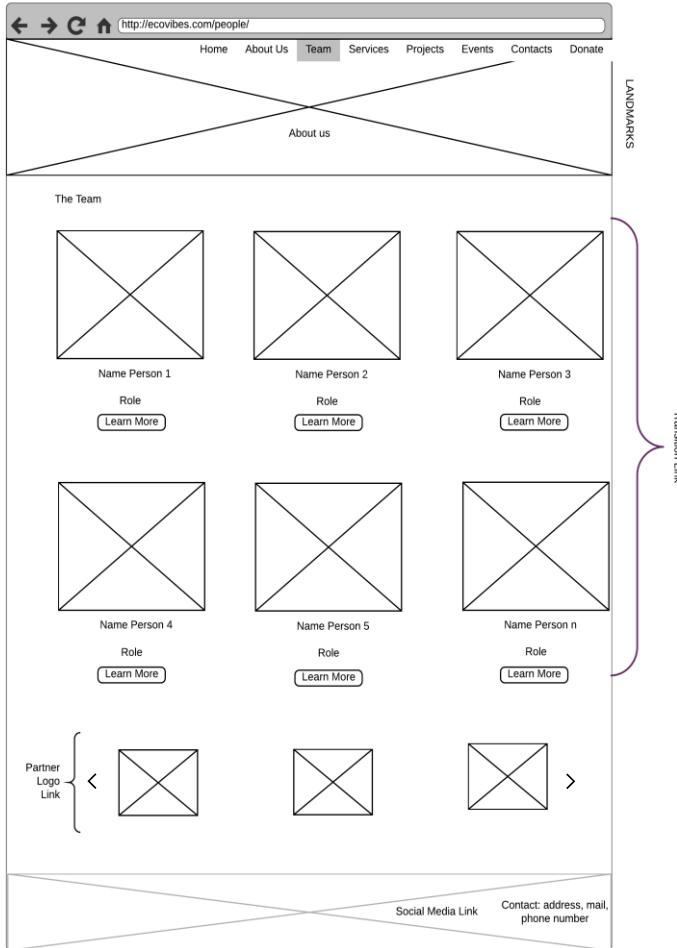


Figura 5 - Group "all person"

**Group "ALL PROJECT"**

The wireframe shows a header with a back arrow, forward arrow, refresh icon, and a home icon. The URL is http://ecovibes.com/project/. Below the header is a navigation bar with links: Home, About Us, Team, Services, Projects (which is the active tab), Events, Contacts, and Donate. A large area labeled 'LANDMARKS' contains a grid of project cards. Each card has a placeholder for 'general pictures' (represented by a large X) and a placeholder for 'Short description: 50 words'. Below each card is a 'Learn More' button. The cards are labeled 'Project number 1', 'Project number 2', and 'Project number n'. At the bottom of the grid are navigation arrows for 'Partner Logo Link' and 'Social-Media Link', along with a placeholder for 'Contact: address, mail, phone number'.

**ECO VIBES**

The screenshot shows a banner with the text 'Our Projects'. Below it is a section titled 'Clean Rome' with a thumbnail image of a trash pile and a 'Read More' button. Another section titled 'Movida Pulita' is partially visible. A purple bracket on the left side of the wireframe points to this section, labeled 'Group'.

**Scuderie De Montel**

The screenshot shows an aerial view of the Scuderie De Montel complex. At the bottom right, there is a 'Read More' button. A purple bracket on the right side of the wireframe points to this section, labeled 'Group'.

**CONTACTI SEDE LEGALE**

Via Alessandro Caneppi, 60  
Cosenza  
tel. +39 09 43 05 00  
info@ecovibes.org

**Logos**

SWISS ENGINEERING, IRSOL, BENTONNE, sia, CONSONNI & BIANCO

Figura 7 - Group "all project"

Group "ALL SERVICE"

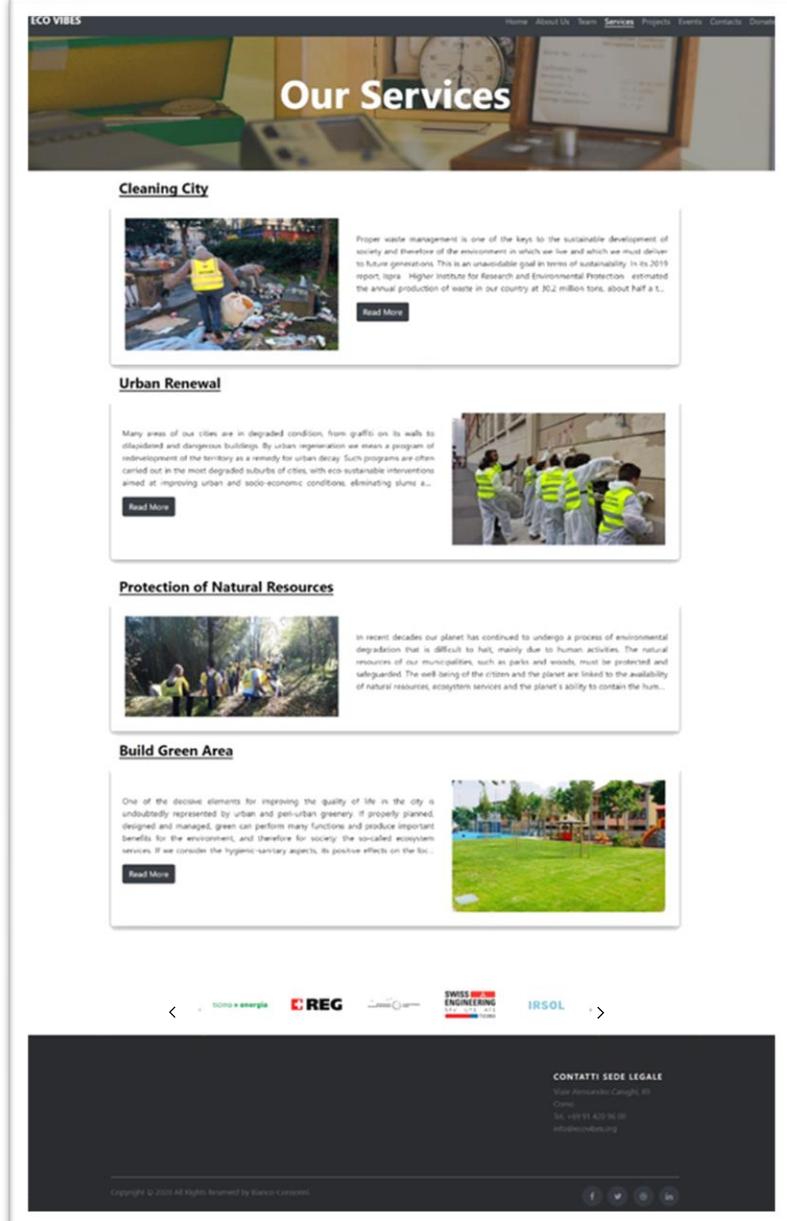
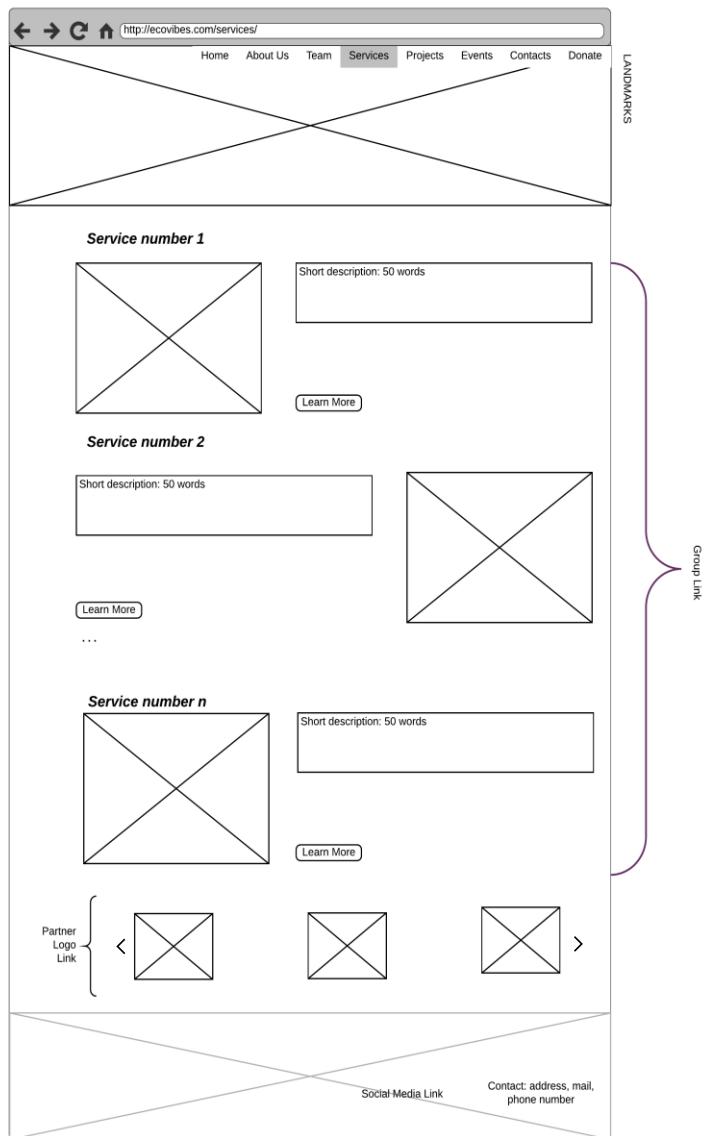


Figura 8- Group "all service"

**SINGLE TOPIC: Association; Dialogue ACTS: Info**

**About us**

- Who we are
- History
- Where we are

**Chi siamo**

Dimora aristocratica dove già nel Cinquecento trovava posto - in una magnifica scenografia architettonica - una ricca collezione di scultura antica, Palazzo Altemps è la sede del Museo Nazionale Romano dedicata alla storia del collezionismo. Situato a pochi passi da Piazza Navona, in prossimità della riva sinistra del Tevere, in Campo Marzio, il primo nucleo del palazzo fu edificato nel XV secolo per volontà di Girolamo Riario, signore di Imola, ambizioso nipote di papa Sisto IV. Passato in altra proprietà, nel 1568 l'edificio fu acquistato dal cardinale Marco Sittico Altemps, di origine austriaca, nipote di papa Pio IV.

Partner Logo Link < >

Social-Media Link Contact: address, mail, phone number

**ECO VIBES**

**Association**

**About us**

- Who we are
- History
- Where we are

Eco Vibes works for a world where the person, aware of his/her value and dignity, is the protagonist of his/her own integral development and that of his/her community, even in crisis and emergency contexts. Eco Vibes implements cooperation projects in various sectors with a preferential focus on education, meaning that the person is accompanied towards self-discovery and recognition that the other person is a resource. Each project is conceived as an instrument to promote this awareness in everyone involved, has in itself a need for communicating and sharing, and creates an impact capable of generating a positive change.

< >

**CONTATTI SEDE LEGALE**

Viale Alessandro Carughi, 68  
Como  
tel. +39 014/016 00  
info@ecovibes.org

Copyright © 2020 All Rights Reserved by Bianco-Consonni.

[f](#) [v](#) [g](#) [in](#)

Figura 9 - Association

**SINGLE TOPIC: Contact; Dialogue ACTS: Contacts**

The wireframe shows the layout structure with fields for First Name, Last Name, Email, and a Message area, along with 'Other ways to contact' options for Phone number and Email address. It also includes a 'Send' button and a 'Partner Logo Link' section with navigation arrows. The final design is a screenshot of the 'Get in Touch' page on the 'ECO VIBES' website, featuring a similar layout with a banner image of a keyboard and sticky notes, and social media links at the bottom.

**LANDMARKS**

**Get in touch**  
Want to find out more about our services and work with us? Let's talk.

First Name  
Last Name  
Email  
Message (max 100 word)

Send

Other ways to contact

Phone number  
Email address

Partner Logo Link < >

Social Media Link Contact: address, mail, phone number

**ECO VIBES**

**Get in Touch**  
Want to find out more about our service or work with us? Let's talk.

First name  
Last name  
Email  
Textarea  
Required example textarea

Other ways to contact us

Phone number  
Tel. +69 91 420 96 00  
Email address  
info@ecovibes.org

Submit form

< >

**CONTATTI SEDE LEGALE**  
Viale Alessandro Cavigli, 69  
Cosenza  
Tel. +69 91 420 96 00  
info@ecovibes.org

Copyright © 2020 All Rights Reserved by Bianco-Consonni.

Figura 10 - Contact

## Design Document

Bianco Luca  
Consonni Luca

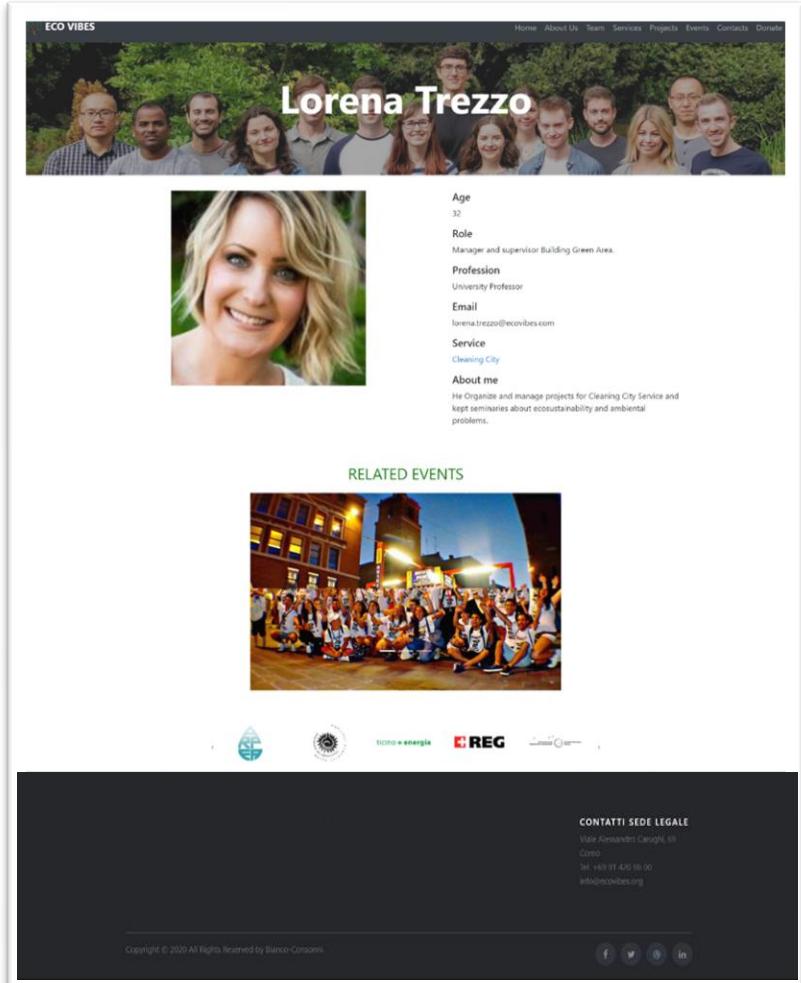
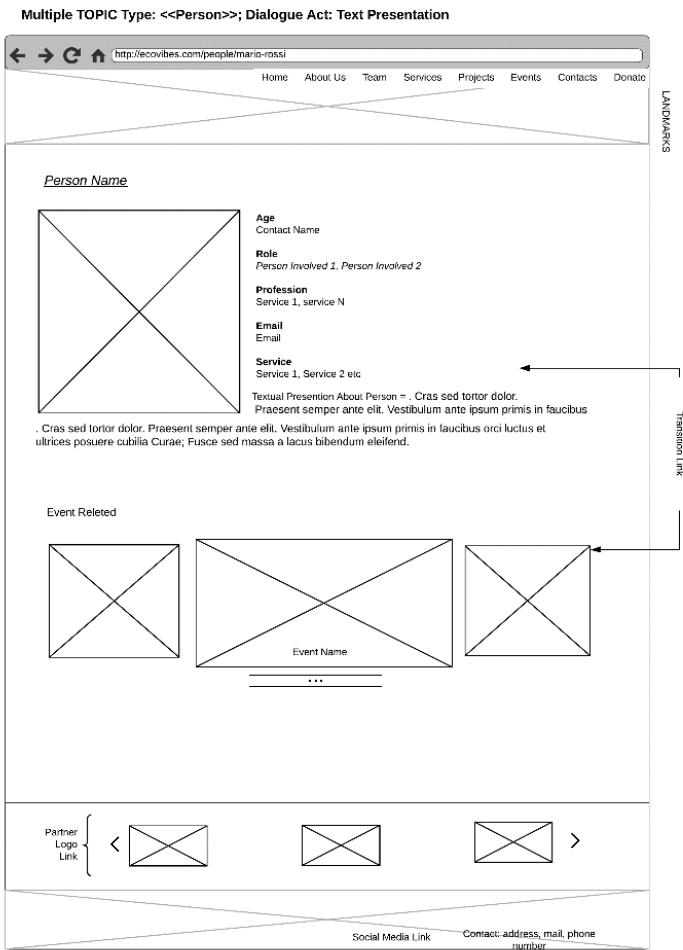


Figura 11 - Person

## Design Document

Bianco Luca  
Consonni Luca

Multiple TOPIC Type: <>Event>>; Dialogue Act: Practical Info

<http://ecovibes.com/events/month-x-year-y/event-name>

Home About Us Team Services Projects Events Contacts Donate

LANDMARKS

**Event Name**

**Date**  
Starting Date - Ending Date

**Contact**  
Contact Name

**Person Involved**  
Person Involved 1, Person Involved 2

**Service Related**  
Service 1, service N

**Textual Presentation Of The Event**

d - Duis vestibulum, libero nec hendrerit facilisis, est leo accumsan felis, ac venenatis nunc mi ac leo. Donec posuere purus mauris, sed molestie massa elementum a. Curabitur sed ante mattis, vulputate nunc sed, commodo odio. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. d - Duis vestibulum, libero nec hendrerit facilisis, est leo accumsan felis, ac venenatis nunc mi ac leo. Donec posuere purus mauris, sed molestie massa elementum a. Curabitur sed ante mattis, vulputate nunc sed, commodo odio. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. d - Duis vestibulum, libero nec hendrerit facilisis, est leo accumsan felis, ac venenatis nunc mi ac leo. Donec posuere purus mauris, sed molestie massa elementum a. Curabitur sed ante mattis, vulputate nunc sed, commodo odio. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

**Previous** **Next** ← → Create Link

Social Media Link Contact: address, mail, phone.number

**ECO VIBES**

**Fundraiser**

**Date**  
From 26/07/2020 to 27/07/2020  
Giovanni Ventura

**Service Partner**  
Cleaning City, Urban Renewal

**Description of The Event**  
In collaboration with the Municipality of Padua, a campaign for the association's fundraising will be held on 1 August at the Molinello theater. Access is free to all by reservation. In particular, the evening open to all our association is to raise funds to be allocated to the many projects of Padua from Dario. In the event, the services of the company offices and which we have decided to implement in the area and with those projects will be announced and explained. In fact, we will discuss the goals we have set.

**Next**

**CONTATTI SEDE LEGALE**  
Via Alessandro Ceschi, 69  
Padova  
tel. 049 51 470 96.00  
info@ecovibes.org

[Facebook](#) [Twitter](#) [Instagram](#) [YouTube](#)

Figura 12 - Event

Figura 13 - Project

**Multiple TOPIC Type: <>Project>; Dialogue Act: Description**

**Project Name**

**Project Name Project**

**Status**  
Status of the Project

**Timing**  
start work date  
finish work date

**Description del lavoro**

Descrezione del lavoro da compiere. In completezza -  
Lorem ipsum dolor sit amet, consectetur  
adipiscing elit. Curabitur tortor lectus,  
ullamcorper vitae rhoncus sit amet, venenatis  
vel elit. Donec sed diam a mi pharetra aliquam.  
In ultrices velit eget libero conditudo, volutpat  
suscipit et, euismod sed tempor, et  
Præterit semper ante ellit. Vestibulum ante  
ipsum primis in faucibus orci luctus et ultrices  
posuere cubilia Curat. Fusce sed massa a  
lacus bibendum eleifend.

**Related Service**

Service 1  
Service n

**Related Project**

Project Name

\*\*\*

**Partner Logo Link**

**Social Media Link**

**Contact:** address, mail, phone number

**ECO VIBES**

# Clean Rome

**Name**  
Clean Rome

**Motive**

**When?**  
From 27/9/2020 to 28/9/2020

**Description of The Project**  
The waste situation in Rome has become intolerable, there are hundreds and hundreds of waste abandoned and poured into the streets. The situation is almost tragic and we at Eco Vibes have decided to do something. On the weekend of June 27-28 we take the field to free Rome from waste and give it back the decor it deserves. Our volunteers are ready and loaded and if you also want to participate you can come and join us! Saturday 27 September Meeting in piazza 25 aprile, our volunteers will be on site to distribute brooms, paper bags, gloves and protective masks, as well as our bibs. From there we will move to the Fascoli district, one of the most affected by the waste emergency and we will cover an area of 10 square kilometers. Our volunteers will accompany us with pick-ups to take the waste gradually to the nearest recycling station. Sunday 28 September Meeting in Don Abbondio square, our volunteers will be on site to distribute brooms, paper bags, gloves and protective masks, as well as our bibs. From there we will move to the Bocaccio district, one of the most affected by the waste emergency and we will cover an area of 14km square. Our volunteers will accompany us with pick ups to take the waste gradually to the nearest recycling station.

**Service related to this Project**

Cleaning City

**RELATED PROJECTS**

**sia**

**CONTATTI SEDE LEGALE**  
Via Annibaldo Cagliari, 63  
Cosenza  
tel. +39 01 420 96 00  
info@ecovibes.org

Copyright © 2020 All Rights Reserved By Bianco Luca Consonni Luca



Figura 14 - Service

# 4 - Interaction Scenarios

## 4.1 – Scenario 1

A Municipal manager would like to do a project to recover and enhance the mountain environment of his city. He comes to know that the association it's doing this kind of work, so he wants to have a look at the website and eventually send an email to ask some questions. After he has a look on the Homepage, he looks into the service that the association is offering and click on couple of them that are related to the ones that he would like to do. Then, after he had a look on some related projects, he clicks on the contact link and the send a message completing the form presented.

**ECO VIBES**

**SERVICES**

**Cleaning City**  
We keep our cities clean by collecting and recycling the garbage and waste that degrades the streets and urban spaces.  
[Read More](#)

**Urban Renewal**  
Many areas of our cities are in a state of decay and left in disarray, one of our goals is to help restore these areas to their due beauty.  
[Read More](#)

**Protection of Nature**  
Nature cannot defend itself. We protect and take care of the natural resources of our cities, we keep our forests and parks clean.  
[Read More](#)

**Build Green Area**  
Through fundraising and collaborations with municipalities we create green areas in our cities for a greener city, a better city.  
[Read More](#)

**ECO VIBES**

**Description of The Service**  
Proper waste management is one of the keys to the sustainable development of society and therefore of the environment in which we live and which we must deliver to future generations. This is an unavoidable goal in terms of sustainability. In its 2019 report, Ispra - Higher Institute for Research and Environmental Protection - estimated the annual production of waste in our country at 30.2 million tons, about half a ton per person. In Italy we can really talk about an emergency situation involving waste. Landfills struggle to keep up with the continuous creation of generated waste and therefore it happens very frequently that many are not disposed of. Our cities are thus invaded by full garbage bins and rubbish bags abandoned on every street corner. Added to this is the incivility and rudeness of many people who do not respect the rules and abandon their waste. City degradation due to waste is getting worse in the major Italian metropolises. Abusive landfills, abandoned waste, unemptied bins and baskets, butts, paper and plastic have invaded our streets and have become a daily problem. The waste problem is therefore the cause of many other evils, two of all the spilling of animals on the streets, stinks and diseases due to the bad hygiene situation. Our ECO Vibes Association has been working for years to mitigate this problem. Thanks to the help of our willing volunteers who flock to our streets, our cities and our woods every year to collect and recycle abandoned waste. We organize days or projects whose purpose is to clean and restore value to our city and natural heritage. We are tired of having to live in the middle of the trash, we give life back to our cities.

**Reference for this Service**

Lorena Trezzo

Rossella Masciopinto

Tiziano Matteoli

**RELATED PROJECTS**

**Clean Rome**  
The waste situation in Rome has become intolerable, there are hundreds and hundreds of waste abandoned and poured into the streets. The situatio...  
[Read More](#)

The screenshot shows two pages of the ECO VIBES website. The top page features a large orange sunset background with the title 'Clean Rome'. Below it is a photograph of a street scene with several large trash bins overflowing with trash. To the right, there's a sidebar with project details: Name (Clean Rome), Status (Not Started), When? (From 27/9/2020 to 28/9/2020), and a Description of The Project. A red circle highlights the 'Contacts' link in the top navigation bar. The bottom page shows a contact form. It includes fields for First name (Enrico) and Last name (Marrone). There are also fields for Email (@ enrico.marrone@yahoo.com) and a dropdown for 'Want to know about our service'. On the right, there's a section titled 'Other ways to contact us' with a phone number (Tel. +69 91 420 96 00) and an email address (info@ecovibes.org). A red circle highlights the 'Submit form' button at the bottom of the form.

ECO VIBES

Clean Rome

Name  
Clean Rome  
Status  
Not Started  
When?  
From 27/9/2020 to 28/9/2020  
Description of The Project  
The waste situation in Rome has become intolerable, there are hundreds and hundreds of waste abandoned and poured into the streets. The situation is almost tragic and we at Eco vibes have decided to do something. On the weekend of June 27-28 we take the

First name  
Enrico

Last name  
Marrone

Email  
@ enrico.marrone@yahoo.com

Want to know about our service

Textarea  
Hi, My names is Enrico Marrone. I work for Cerignola municipalities. We have a great mountain park, but it's in a bad condition, i'd like work with you to restore that place. Please if you are interested contact respond to this email to schedule a meeting together

Accept to be contact for more information  
 Private  
 Company

Submit form

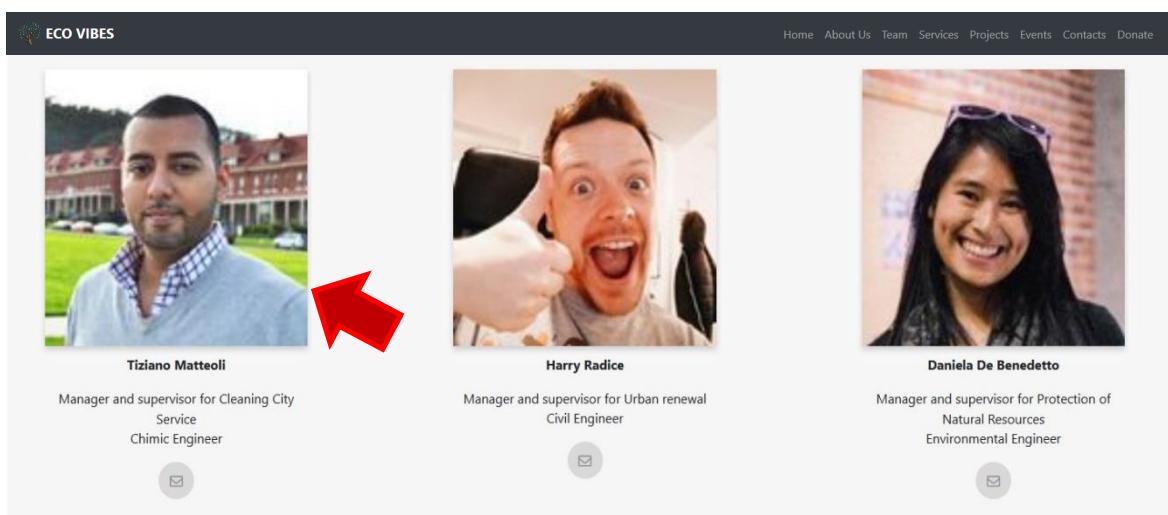
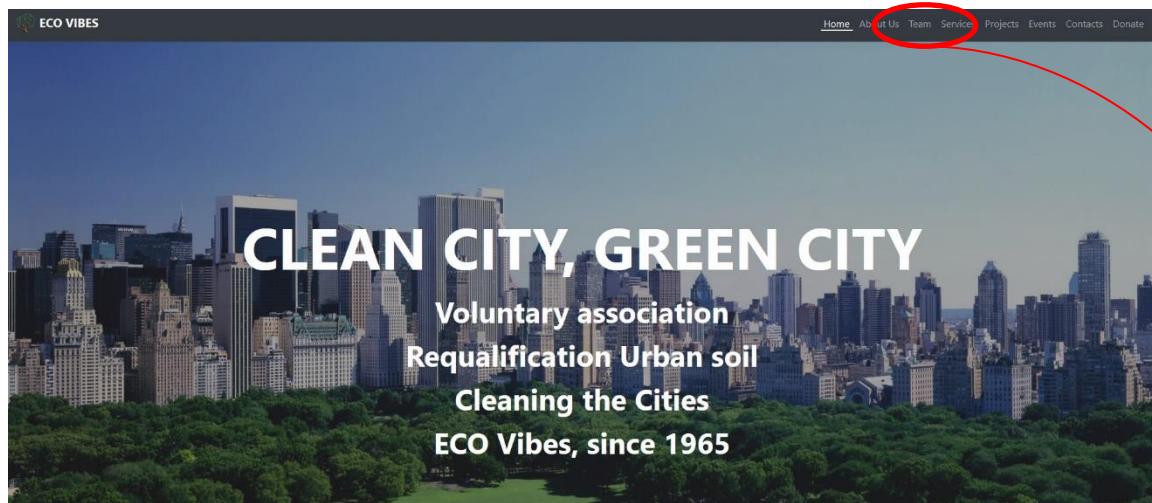
Other ways to contact us

Phone number  
Tel. +69 91 420 96 00

Email address  
info@ecovibes.org

## 4.2 – Scenario 2

One person attends on a conference of the association organized by one collaborator. He found the conference very stimulating, the service offered very interesting and the collaborator very good and competent. So, he decides to search that collaborator on the website and see if he will have more conferences.



**ECO VIBES**

# Tiziano Matteoli

Age: 24  
Role: Manager and supervisor for Cleaning City Service  
Profession: Chemic Engineer  
Email: tiziano.matteoli@ecovibes.com  
Service: Cleaning City Protection of Natural Resources  
About me: He Organize and manage projects for Cleaning City Service and kept seminars about ecosustainability and ambiental problems.

**RELATED EVENTS**

**Eco-sustainability introduction course**

Have you ever wondered what you can do for your city in your own small way? in association with the municipality of Rome, at the Lorenzo Randazzo...

[Read More](#)

**Eco-sustainability introduction course**

Date: From 12/6/2020 to 14/7/2020  
Contact: Tiziano Matteoli  
Service Related: Cleaning City, Urban Renewal

Description of The Event:  
Have you ever wondered what you can do for your city in your own small way? In association with the municipality of Rome, at the Lorenzo Randazzo auditorium, volunteers will give a course completely free of charge on how our daily habits influence the environment and what needs us. In particular, the lesson will analyze unnecessary waste and how to avoid it, recycling end energy saving. Each of us can make a difference for your city. Come and find out how. The course will be open to all and will be available on two dates: July and 12 July at 9.00 pm.

< Previous | Next >

**sia**  
società italiana

**CONATI II SEDE LEGALE**  
Viale Alfonso Longo, 60  
Como  
Tel. +39 0342 9600  
info@conatiit.org

Copyright © 2020 All Rights Reserved by Bianco-Consonni.

## 4.3 – Scenario 3

A person has at heart the protection of the environment, the recovery of degraded natural resources. He decides he wants to do more. Knowing the association for his fame, he decided that it would be better to search on the website and to have a deeply look at the association and his history, then to see if there are open days for the training and subscription of new members in this period.



**Choose the month**

**JUNE 2020**

**JULY 2020**

**AUGUST 2020**

**Events of 6-2020**

Presentation of Project: Park Ronco  
1/6/2020

Recruiting Days  
10/6/2020

**Recruiting Days**

**Date**  
From 10/6/2020 to 19/6/2020  
**Contact**  
Tiziano Matteoli  
**Service Related**  
Cleaning City, Urban Renewal  
**Description of The Event**  
In conjunction with the "Fiera dell'artigianato" in Milan. We will be present on site with an information stand and to recruit new volunteers. If you are a lover of the environment and you care about the interest of your city and your services, contact us to find out how to become ours. Many of our volunteers will be there ready to explain to you what it is like to be a member of the Ecovibes family!

+ Previous

Next +

**CONTATTI SITE LEGALE**

Viale Alessandro Caglio, 60  
Città  
Tel. +39 91 420 96 00  
info@ecovibes.org

f t s in

## 5. DB Design (E-R diagram and Relational Tables)

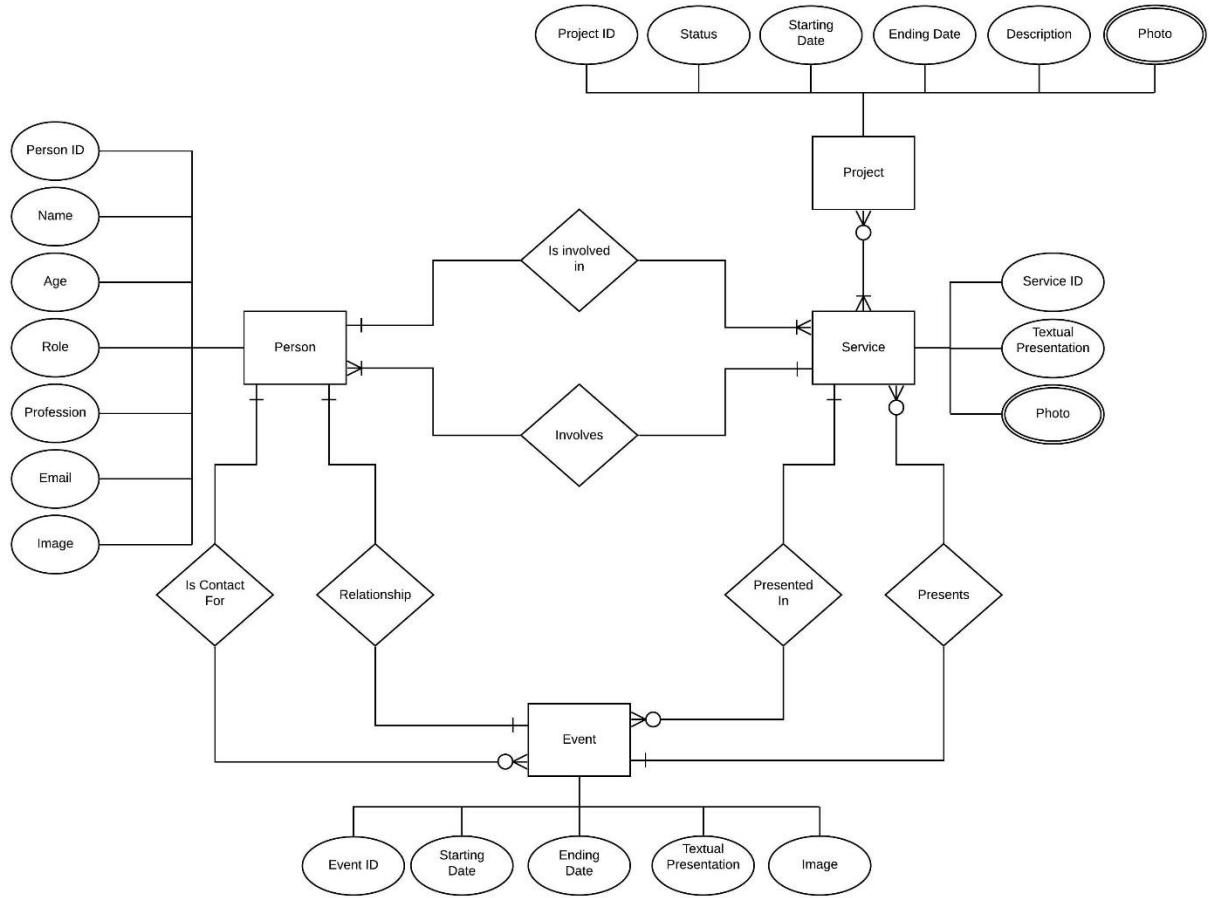


Figura 15 – Er Diagram

In figure 4 is reported ER diagram of the database, it shows how the entities are related one each other. As practical info for Person we are intend Name, Age, Role, Profession and Email, instead for Event we are used Starting and Ending Date.

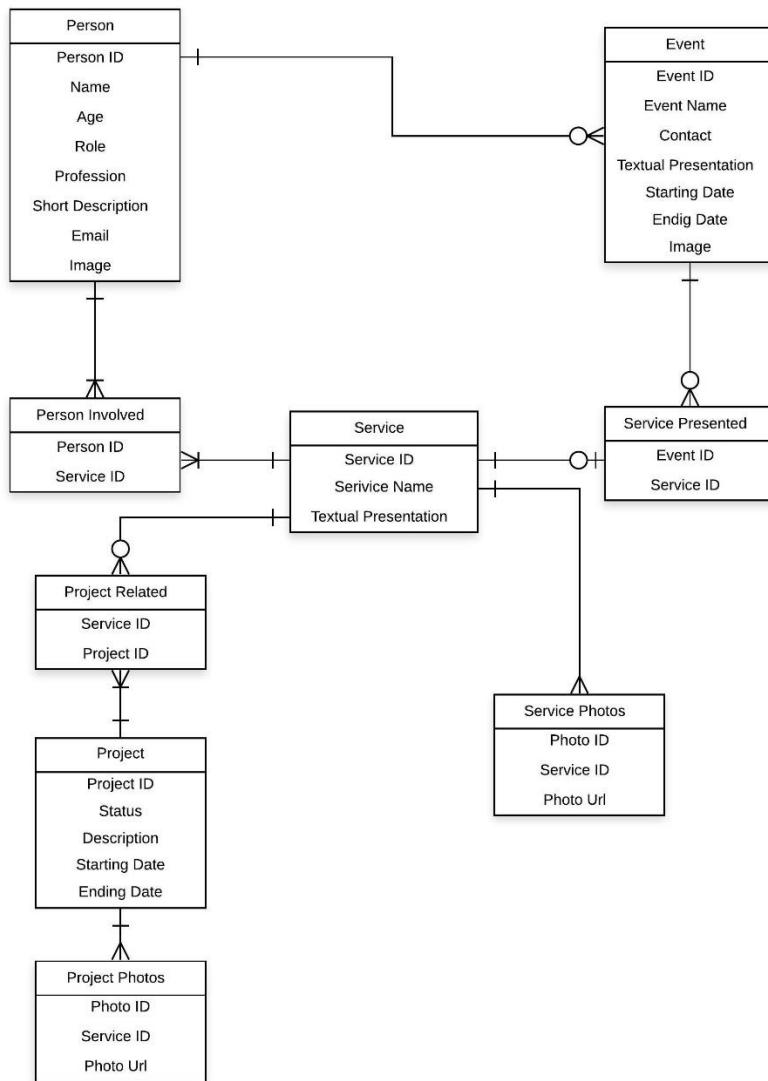


Figura 16 - Relational Tables

This diagram shows what the structure of the database will look like. We opted to put essential information that is useful to keep saved. Some single Topics as an Association are implemented directly in html.