

USER MANUAL

MeteoCal



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1. Introduction

This document is intended to provide a clear user manual for MeteoCal. The application is very useful to manage own personal events: it allows users to create events, send invitations to other users and also gives information about the weather forecast related to the event date and place. Let's start now to understand how to exploit all its functionalities.

2. Registration and Login

2.1 Registration

The first step in order to use this application consists on create an account on the platform. To do this, you have to click the “Sign in” link and you are immediately redirected to the “Registration Page”, in which you find a list of fields to fill. Every field must be completed in a correct way:

- the birthday must be earlier than 1/1/2000;
- the phone number must be composed of 9 or 10 digits;
- the email must be unique, so you cannot insert an email which has already been associated to a user in the application;
- the two inserted password must coincide.

Once you have completed all the fields, you have to click on button “Sign In”. If all is correct, you will receive an email and you will be redirected to the previous page, where you can perform the login.

MeteoCal



The image shows a web form titled "Registration Form". It contains the following fields and controls:

- Name:
- Surname:
- Birthday:
- Phone Number:
- Residence Town:
- Calendar Visibility: ☒ Public ☐ Private
- Email:
- Password:
- Confirm Password:
- Register:

2.2 Login

You have to insert your email and your password in the exact places and you have to click the button “Login”. If the inserted data are correct, you will be redirected to the home page, in the other case, no action happens.

MeteoCal

Email

Password

Login


MeteoCal

Your agenda is always busy and you can not get organized in the best way? It's time to use MeteoCal! It's so easy to use that you can not do without. With Meteocal you can organize events, invite friends and accept invitation to event from other users. No overlaps of events and no bad weather conditions for your outdoor events. What are you waiting for?

Sign In!


Join other users and start to create and manage your events

[Sign In](#)

 **OpenWeatherMap**


We use weather forecasts provided by openweathermap to prevent your outdoor events are ruined by bad weather conditions.

[View details »](#)

 **PRIMEFACES**

We use PrimeFaces to build our application.

[View details »](#)

 **Google**

We use the Google Place Autocomplete service by Google in order to returns place predictions as a user types.

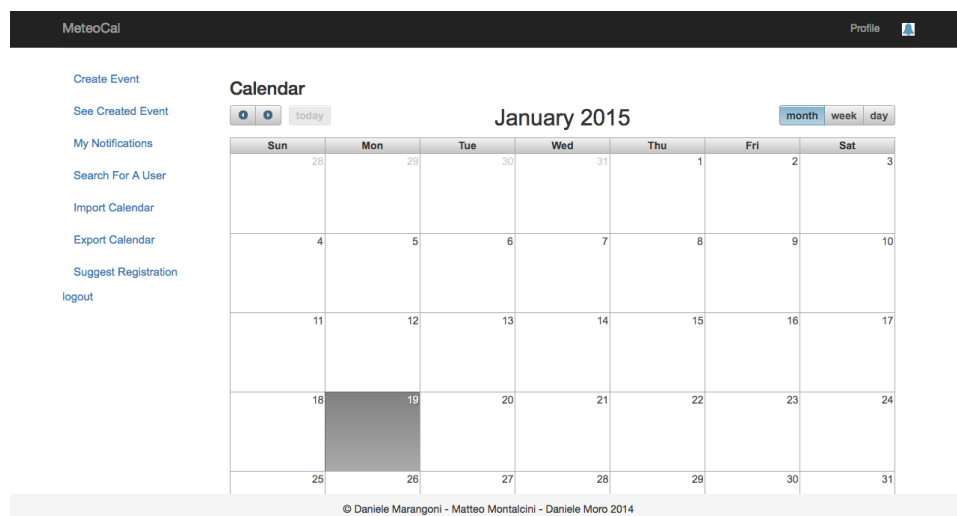
[View details »](#)

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3. Home page functionalities

From the home page, you can access to many of MeteoCal functionalities:

- see own profile
- create a new event
- look at own created events
- see own notifications
- search for another user
- import a calendar
- export your personal calendar
- suggest a friend to register to the application
- logout



In addition to these links, in the home page you can see your calendar: this contains all your events and, if you click on one of them, you can also see some of its information. If you want to see all data of an event, you only have to click on it and click the button “View Event”: it allows you to see also the participants of the event (obviously in case it is public). Among the participants, the organizer is not included, because he is obviously going to participate to the event. You can go back to the home page in every moment, just clicking on button “MeteoCal” in the top left of the page. Let’s start analyzing them one by one.

3.1 See own profile

If you want to see your profile, you can click on the button “Profile” in the top right of the page. You are redirected to a page in which all your data (inserted upon registration) are displayed. In this page, you can click on button “Modify Profile” if you want to change some of these data.

MeteoCal

Profile

Create Event

See Created Event

My Notifications

Search For A User

Import Calendar

Export Calendar

Suggest Registration

logout

Name:UserName

Surname:UserSurname

Birthday:Thu Jan 16 00:00:00 CET 1992

Phone Number:333333333

Residence Town:Milano, MI, Italia

Calendar Public:true

Email:username@username.it

Modify Profile

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3.2 Modify Profile

In this page you see all your data inserted upon registration, except for the email (that you can't modify) and the password (whose fields are not completed).

If you want to change some of these data, you have to insert the new values of them. If you want to change your password, here you can do it (remember, password and confirm password must coincide); otherwise, you can confirm the previous one by inserting it in the two fields.

Once you have finished to perform changes, you can click on button "Submit" and if all is ok you are redirected to the previous page, which now display your new profile.

MeteoCal Profile

Create Event
See Created Event
My Notifications
Search For A User
Import Calendar
Export Calendar
Suggest Registration
logout

Modify Data:

Name:

Surname:

Birthday:

Phone Number:

Residence Town:

Calendar Visibility: ☒ Public ☐ Private

Password:

Confirm Password:

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3.3 Create a new event

This is one of the crucial functionalities of MeteoCal: it allows users to create a new event. After clicking on the link "Create Event", you are redirected to the page in which you can insert all the information about it.

You have to complete all the fields, excepted the "description" one, that is optional. It is fundamental that you insert a place which is recognized by the google place input, in order to have the exactly weather forecast for the event. So, if possible, it is recommended to select a place suggested by the API.

You can select a typology from the suggested ones, or if you want to insert a different typology, you can select the option "Other" and write the desired one.

If you select the field "Outdoor" for the event, you are also asked to select the weather forecast you desire for the event: pay attention to your choice, because MeteoCal will check the weather forecast for the event with your

desired one and will notify you in case the condition are not optimal, also suggesting you another day during which weather conditions are better. You can't modify in a second moment your choice about outdoor/indoor event.

In particular, the weather forecast for the event are updated every 12 hours (more precisely, at 8 and at 20 o'clock), and three days before the event, the system (also in this case at 20 o'clock) checks if the weather forecasts are compatible with the desired ones: if they aren't, a new date for the event is suggested: you can find it by looking through event information, reachable from the button "View event" among the displayed notification fields.

Pay attention: you can't insert a date which would cause an overlap between the new event and another event you have already created or for which you have accepted an invitation. The application, in case of not valid inserted date, will avoid you to create the event until you don't insert a date that will respect all the constraints.

After having completed all the fields, you have to click on button "Create Event". Now your event is created: as next step, you have to choose the users you want to invite to it. In order to do this, the application redirects you to the page from which you can perform this operation.

The screenshot shows the 'Create Event' form in the MeteoCal application. The form is titled 'Create Event:' and includes several input fields and a dropdown menu. On the left side of the form, there is a vertical list of navigation links: 'Create Event', 'See Created Event', 'My Notifications', 'Search For A User', 'Import Calendar', 'Export Calendar', 'Suggest Registration', and 'logout'. The main form fields are: 'Name' (text input), 'Time Start:' (text input), 'Time End:' (text input), 'Predefined Typology:' (dropdown menu with 'Aperitif' selected), 'Description:' (large text area), 'Place:' (text input with placeholder 'Type in an address'), 'Privacy:' (radio buttons for 'Public' and 'Private', with 'Private' selected), 'Outdoor event:' (checkbox), and a 'CreateEvent' button at the bottom. The top of the page has a dark header with 'MeteoCal' on the left and 'Profile' with a user icon on the right. The footer of the page contains the copyright notice: '© Daniele Marangoni - Matteo Montalcini - Daniele Moro 2014'.

MeteoCal

Profile

Create Event

See Created Event

My Notifications

Search For A User

Import Calendar

Export Calendar

Suggest Registration

logout

Create Event:

Name

Time Start:

Time End:

Predefined Typology: Aperitif

Description:

Place: Type in an address

Privacy: Public Private

Outdoor event:

CreateEvent

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3.3.1 Send invitations to other users for the event


To send a new invitation, you have to insert, in the exact input forms, the email of the user you want to invite, or his name and surname.

If you insert the email and click to “Add”, an invitation is sent to that user; if you prefer to enter his name and surname, the results of your search will appear and you can select the exact user you want to invite.

You can see all the users invited to your event from the table below.

When you think you have invited all the users (if you have forgotten someone, it is not a problem: you can add other users at a later time), you can click on the button “Finish” and you will be redirected to the home page. Now you can see your new event in the calendar.

MeteoCal

Profile 

[Create Event](#)
[See Created Event](#)
[My Notifications](#)
[Search For A User](#)
[Import Calendar](#)
[Export Calendar](#)
[Suggest Registration](#)
[logout](#)

Insert the email of the user you want to invite:

Email

Insert name and email of the user you want to invite

Name

Surname

Invited Users:

Name	Surname	Email
UserName	UserSurname	username@username.it


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3.4 Look at own created events

If you want to see the list of the events you have created, you can simply click on the link “See Created Event”: you are redirected to another page, in which you have the desired list. For every event you see some information (Name, date and time start, date and time end, location) and you can perform different actions:

- see event information;
- modify event.

MeteoCal

Profile 

[Create Event](#)
[See Created Event](#)
[My Notifications](#)
[Search For A User](#)
[Import Calendar](#)
[Export Calendar](#)
[Suggest Registration](#)
[logout](#)


Created Event				
Name	Time Start	Time End	Town	Modify
Evento1	Tue Jan 20 16:45:00 CET 2015	Tue Jan 20 18:45:00 CET 2015	Milano, MI, Italia	Modify Event Show Event
Evento2	Wed Jan 21 16:46:00 CET 2015	Wed Jan 21 18:46:00 CET 2015	Varese, VA, Italia	Modify Event Show Event
Evento3	Thu Jan 22 16:47:00 CET 2015	Thu Jan 22 19:47:00 CET 2015	Torino, TO, Italia	Modify Event Show Event

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3.4.1 See Event Information


If you want to see all data about an event of the list, you can click on link “Show Event” and you will be redirected to the page reporting not only all its information, but also the list of users who have accepted / refused / not already answered to their invitation.

MeteoCal

Profile 

[Create Event](#)
[See Created Event](#)
[My Notifications](#)
[Search For A User](#)
[Import Calendar](#)
[Export Calendar](#)
[Suggest Registration](#)
[logout](#)

Event Information
Name: Evento3
Organizer Name: a
Organizer Surname: a
Organizer Email: a@a.it
Date Start: Thu Jan 22 16:47:00 CET 2015
Date End: Thu Jan 22 19:47:00 CET 2015
Typology: aperitif
Description: Descrizione3
Place: Torino, TO, Italia
Outdoor: false

Weather Forecast
Weather Forecast: 
Temperature Forecast: 2,70 °C
Expected rain
Wind Forecast: 2.26 m/s

Modify event

Pendent Participation People			
Name	Surname	Email	
b	b	b@b.it	<div>View Profile</div>

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3.4.2 Modify Event

If you want to modify an event of the list, you can click on link “Modify Event”: you are redirected to a page from which you can:

- **modify the data of the event:** you have to insert the new data, and then click on the button “Modify Event”;
- **add new invitations:** by clicking “Add Invitation” button: you are redirected to the page which allows you to send new invitation.
- **delete the event:** by clicking “Delete Event” button. After this operation, all the users who have accepted / not already answered to your invitation for that event are notified and the event will no longer appear among your created ones.

The screenshot shows the 'Modify Event Form' in the MeteoCal application. The form is titled 'Modify Event Form:' and contains several input fields and buttons. On the left side of the form, there is a sidebar with navigation links: 'Create Event', 'See Created Event', 'My Notifications', 'Search For A User', 'Import Calendar', 'Export Calendar', 'Suggest Registration', and 'logout'. The form fields include: 'Name' (text input with 'Evento1'), 'Time Start' (text input with '20/01/2015 16:45:00'), 'Time End' (text input with '20/01/2015 18:45:00'), 'Predefined Typology' (dropdown menu with 'Aperitif'), 'Description' (text area with 'Descrizione1'), 'Place' (text input with 'Milano, MI, Italia'), 'Privacy' (radio buttons for 'Public' and 'Private'), and 'Outdoor event' (checkbox). At the bottom of the form, there are three buttons: 'Modify Event', 'Add Invitation', and 'Delete Event'. The footer of the page contains the copyright notice: '© Daniele Marangoni - Matteo Montalcini - Daniele Moro 2014'.

As we said before about the creation of the event, the constraint about the date remain the same: you have to choose a date that would not cause overlap between two or more of your events. But there is also another thing to point out: if you change the date, this would maybe cause overlap of events for a user who has previously accepted the invitation. In this case, that user is removed from the list of users who are going to participate to the event, and a notification is sent to him. If he wants to participate to your events, he has to delete a participation to another event or delete one of his event in order to don't have overlaps: only in this situation he can accept your invitation. So, if you want to change the date of your event, we suggest you to check the calendar of users who are going to participate and find a time interval compatible with their calendars (in particular, if there are few participants to your event). You can see this information exploiting the functionality for searching a user (we will analyze it later).

3.5 See own notifications


In the top right corner there is a picture which tells you if you have new notification: in the positive case, it displays a red point in the picture.

If you want to see your notification (both in case you have or not new notifications), you have to click on the link “My Notification”. You are redirected to another page, in which all your notification are displayed.

For each notification, many data are listed:

- Event name
- Event organizer name
- Event organizer surname
- Type of notification
- A field reporting if you have already or not seen the notification (e.g., if you have clicked or not on the event the notification is related to)
- A field “See Related Event”, containing the link you can click to see the event and all its data
- A field “Delete Notification”, containing the button “Delete Notification”, which allows you to eliminate the notification from that list.

MeteoCal

Profile 

[Create Event](#)
[See Created Event](#)
[My Notifications](#)
[Search For A User](#)
[Import Calendar](#)
[Export Calendar](#)
[Suggest Registration](#)
[logout](#)

Notifications							
Event Name	Organizer Name	Organizer Surname	Type	Generation Date	Seen	See Related Event	Delete Notification
Evento1	a	a	invite	Tue Jan 20 16:48:40 CET 2015	false	View Event	Delete
Evento2	a	a	invite	Tue Jan 20 16:48:47 CET 2015	false	View Event	Delete
Evento3	a	a	invite	Tue Jan 20 16:49:01 CET 2015	false	View Event	Delete

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We have to explain the meaning of the field “Type of notification”. There are 4 types of notifications:

- “invite”
- “delayedEvent”
- “deletedEvent”
- “weatherConditionChanged”

3.5.1 Invite Notification

When you receive this notification, it means that you have received a new invite for an event. You can see all information about it and accept / refuse it by clicking on “View Event”. Pay attention: if you choose to delete the notification, the only other way to accept / refuse the invitation or to modify your choice (in case you have already confirmed your participation to it) is to exploit the functionality offered by the calendar in the home page, which allows you to click on an event and see the information about it.

3.5.2 Delayed Event Notification

When you receive this notification, it means the organizer of an event to which you are going to participate or for which you haven’t already given an answer has decided to change the date of the event. If this change causes the arise of an overlap between that event and one other of your events, you are no longer in the list of the participants: if you want to participate to it, you have to delete the events which cause overlaps, and then accept another time the invitation for the event. If no overlap arise, you are still in the list of participants, but in case you want to delete your participation, you have to go to the event page and apply this change by clicking on button “Delete Participation”.

3.5.3 Deleted Event Notification

When you receive this notification, it means that the organizer of an event to which you are going to participate or for which you haven’t already given an answer has decided to delete the event. You can see the deleted event information by clicking on “View Event” in the apposite field of the notification, in order to understand precisely which event has been deleted. This event will no longer appear in your calendar.

3.5.4 Weather Condition Changed Notification

This type of notification occurs only for the outdoor events, in case of the weather forecast are not optimal (e.g., the organizer has specified different weather condition he would have accepted for that event).

This notification could be sent in two different situations:

- It is sent to the organizer three days before the event start, indicating not perfect condition: in this case, the application also suggests a new date for the event in which the weather forecasts are compatible with the desired ones. The organizer can see the suggested date by clicking “View Event”: it will appear among the event information.
- It is sent to all users who are going to participate to the event one day before its start: it is only an advice, saying that the weather conditions won’t be perfect for the event.

3.6 Search for another user in the application

If you want to search for a user in order to see his profile and his calendar, you have to click on the link “Search for a user”. You are immediately redirected to a different page, from which you can search a user by inserting his email or his name and surname. The page behavior is very similar to the add invitation one:

- if you insert the email, you are redirected to the page which displays the user profiles;
- if you insert his name and surname, you can directly see his profile if only one user with the inserted features is found; otherwise the list of the matches is displayed and you have to choose one of the results.

In the user profile page you can see all his information and also is calendar. Pay attention: if the user has chosen to maintain his calendar private, you can't see any of his events; otherwise, you can see all his public events with the information (obtained by clicking on the event), but only the slot times of the private events (indeed by clicking on it the only data you can see are the date and time in which the event starts/ends).

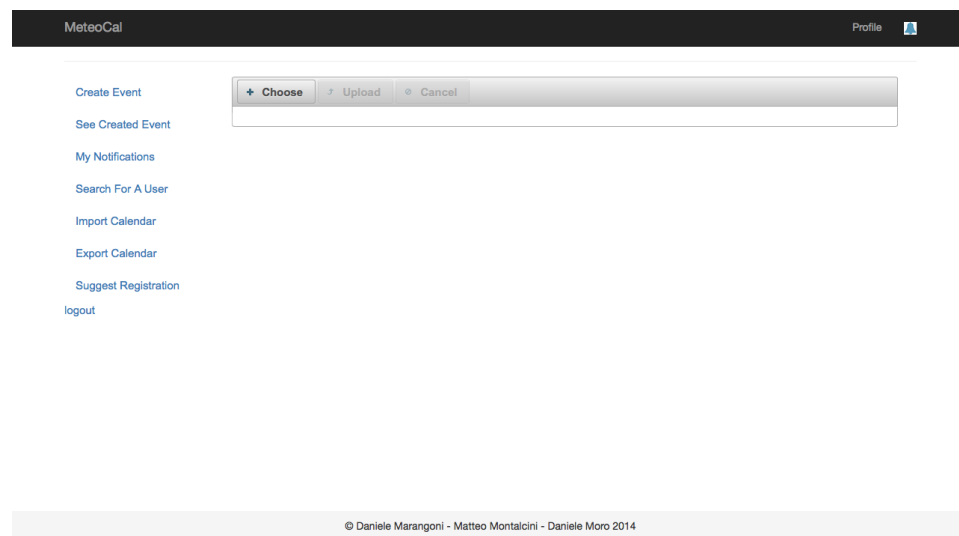
If you try to search your own profile, you won't see the same calendar of the home page, but the calendar that other users would see by searching you through this functionality.

The screenshot shows the MeteoCal application interface. At the top, there is a dark header bar with 'MeteoCal' on the left and 'Profile' with a user icon on the right. Below the header, on the left side, is a vertical list of navigation links: 'Create Event', 'See Created Event', 'My Notifications', 'Search For A User' (highlighted in blue), 'Import Calendar', 'Export Calendar', 'Suggest Registration', and 'logout'. The main content area has two search sections. The first section is titled 'Insert the email of the user you want to search:' and contains an 'Email' input field and a 'Search' button. The second section is titled 'Insert name and email of the user you want to search' and contains 'Name' and 'Surname' input fields, followed by a 'Search' button. At the bottom of the page, there is a light gray footer bar with the copyright text: '© Daniele Marangoni - Matteo Montalcini - Daniele Moro 2014'.

3.7 Import a calendar

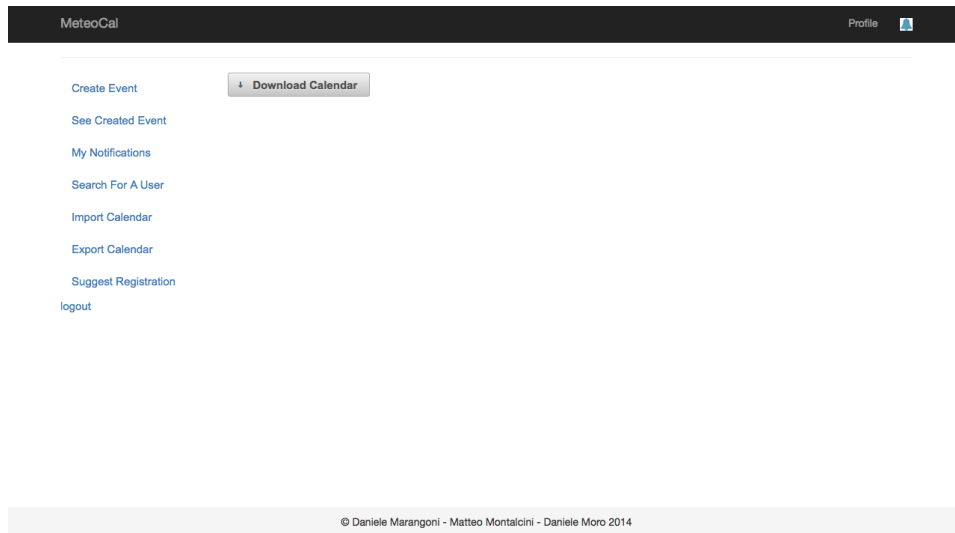
If you want to import a calendar, you have to click on “Import Calendar” and add the file correspondent to the calendar you want to import. It has to be in the correct form and it must not create overlaps with the events already present.

If these constraints are satisfied, all the events contained in the calendar you are importing are created and saved in you calendar in the application, otherwise MeteoCal will display you the impossibility to perform the import.



3.8 Export a calendar

If you want to export your calendar, you have to click on “Export Calendar” and click, in the page to which you are redirected, the button “Download Calendar”. The download of the file will soon start.



3.9 Suggest a friend to register to the application

If you want to suggest someone to join MeteoCal, you have to click on button “Suggest Registration”: you are redirected to a page in which you can insert the email of the person you want to send an email to.

After having clicked on button “Send”, the email is sent.

MeteoCal Profile

Create Event
See Created Event
My Notifications
Search For A User
Import Calendar
Export Calendar
Suggest Registration
logout

Insert the email of the user you want to suggest to join MeteoCal

Email

Send

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3.10 Logout

If you want to perform a logout, you only have to click on link “logout” and your operation will be immediately executed.

MeteoCal Profile

Create Event
See Created Event
My Notifications
Search For A User
Import Calendar
Export Calendar
Suggest Registration
logout

Calendar

today month week day

January 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

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