GeoGreen

THIS IS THE OFFICIAL API DOCUMENTATION FOR THE GEOGREEN APPLICATION.

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Server

/

GET **Info**

https://esmad-atpi2-gg-api.onrender.com/

Route:

/

Function

- Get server status and information.

Acess:

- **Everyone** (no authentication).

Example Request   Info

```
var requestOptions = {
  method: 'GET',
  redirect: 'follow'
};

fetch("https://esmad-atpi2-gg-api.onrender.com/", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```

Users

/USERS

Admin

Routes for the admin 👑

GET List (All)

https://esmad-atpi2-gg-api.onrender.com/users/

Route:

/USERS

Function

- List all users of the database.

Acess:

- **Admin** (needs to be authenticated).

AUTHORIZATION

Bearer Token

Token

Example Request   List (All)

```
var requestOptions = {
  method: 'GET',
  redirect: 'follow'
};

fetch("https://esmad-atpi2-gg-api.onrender.com/users/", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```

GET   List Specific

https://esmad-atpi2-gg-api.onrender.com/users?id=1

Route:

/USERS?IID={USERID}

Function

- List specific user of the database.

Acess:

- **Admin** (needs to be authenticated).

AUTHORIZATION

Bearer Token

Token

<token>

PARAMS

id

1

```
var requestOptions = {
  method: 'GET',
  redirect: 'follow'
};

fetch("https://esmad-atpi2-gg-api.onrender.com/users?id=1", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```

Authentication

Authentication-related routes. 🔒

POST Resgister

https://esmad-atpi2-gg-api.onrender.com/users

Route:

/USERS

Function

- Create a user.

Acess:

- **Everyone** (no authentication).

Body (raw JSON):

- **name**: *STRING required (max 254);*
- **email**: *STRING required (max 254);*
- **password**: *STRING required (min: 05, max 254);*
- **picture**: *STRING required (max 254, use a base64 image);*
- **notification1**: *INT required (0 = false, 1 = true);*
- **notification2**: *INT required (0 = false, 1 = true);*
- **notification3**: *INT required (0 = false, 1 = true).*

BODY raw

```
        "password": "test123",
        "picture": "base64-image",
        "notification1": 0,
        "notification2": 0,
        "notification3": 1
    }
```

Example Request   Resgister

```
var raw = "{\r\n    \"name\": \"User Name\",\r\n    \"email\": \"test@test.com\",\r\n    \"password\":

var requestOptions = {
  method: 'POST',
  body: raw,
  redirect: 'follow'
};
```

View More

POST Login

https://esmad-atpi2-gg-api.onrender.com/users/login

Route:

/USERS/LOGIN

Function

- Login an account.

Acess:

- **Everyone** (no authentication).

Body (raw JSON):

- **email**: *STRING required (max 254);*
- **password**: *STRING required (min: 5, max 254).*

BODY raw

```
{
    "email": "test@test.com",
```

```
var raw = "{\r\n    \"email\": \"test@test.com\",\r\n    \"password\": \"test123\"\r\n}";

var requestOptions = {
  method: 'POST',
  body: raw,
  redirect: 'follow'
};

fetch("https://esmad-atpi2-gg-api.onrender      ' requestOptions)
```

View More

DEL Logout

https://esmad-atpi2-gg-api.onrender.com/users/logout

Route:

/USERS/DELETE

Function

- Logout an account from server side.

Acess:

- **User** (needs to be authenticated).

AUTHORIZATION

Bearer Token

Token

<token>

Example Request   Logout

```
var requestOptions = {
  method: 'DELETE',
  redirect: 'follow'
```

```
    .then(response => response.text())
    .then(result => console.log(result))
    .catch(error => console.log('error', error));
```

GET Verify Token

https://esmad-atpi2-gg-api.onrender.com/users/verify

Route:

/USERS/VERIFY

Function

- Returns the veracity of the token.

Acess:

- **Users** (needs to be authenticated).

AUTHORIZATION

Bearer Token

Token

<token>

Example Request   Verify Token

```
var requestOptions = {
  method: 'GET',
  redirect: 'follow'
};

fetch("https://esmad-atpi2-gg-api.onrender.com/users/verify", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```

Settings

Recover Password

Recover password when a user lost access.

PUT Send Code to Recover

https://esmad-atpi2-gg-api.onrender.com/users/security/recover/sendcode

Route:

/USERS/SECURITY/SENDCODE

Function

- Send email with link to recover user password

Body (raw JSON):

- **password**: *STRING required (max 254);*

BODY raw

```
{
    "email": "40210127@esmad.ipp.pt"
}
```

Example Request   Send Code to Recover

```
var raw = "{\r\n    \"email\": \"40210127@esmad.ipp.pt\"\r\n}";

var requestOptions = {
  method: 'PUT',
  body: raw,
  redirect: 'follow'
};

fetch("https://esmad-atpi2-gg-api.onrende...    ty/recover/sendcode", requestOptions)
```

View More

PUT Recover With Code

https://esmad-atpi2-gg-api.onrender.com/users/security/recover/

Route:

/USERS/SECURITY/RECOVER

Function

- Send email with link to recover user password

Body (raw JSON):

- **id**: *NUMBER required (max 254);*
- **verificationCode**: *STRING required (max 254);*
- **password**: *STRING required (min: 5, max 254).*

BODY raw

```
{
    "id": 73,
    "verificationCode": "It05lxb65l",
    "password": "MyNewPassword"
}
```

Example Request   Recover With Code

```
var raw = " {\r\n    \"id\": 73,\r\n    \"verificationCode\": \"It05lxb65l\",\r\n    \"password\":

var requestOptions = {
  method: 'PUT',
  body: raw,
  redirect: 'follow'
};
```

View More

PUT Edit profile

https://esmad-atpi2-gg-api.onrender.com/users/

/USERS

Function

- Change user information.

Acess:

- **Users** (needs to be authenticated).

Body (raw JSON):

- **name**: *STRING required (max 254);*
- **picture**: *STRING required (max 254, use a base64 image).*

AUTHORIZATION

Bearer Token

Token

<token>

BODY raw

```
{
    "name": "User Name",
    "picture": "base64-image"
}
```

Example Request   Edit profile

```
var raw = "{\r\n    \"name\": \"User Name\",\r\n    \"picture\": \"base64-image\"\r\n}";

var requestOptions = {
  method: 'PUT',
  body: raw,
  redirect: 'follow'
};
```

View More

PUT Edit notifications

https://esmad-atpi2-gg-api.onrender.com/users/notifications

Function

- Change user notification settings.

Acess:

- **Users** (needs to be authenticated).

Body (raw JSON):

- **notification1**: *INT required (0 = false, 1 = true);*
- **notification2**: *INT required (0 = false, 1 = true);*
- **notification3**: *INT required (0 = false, 1 = true).*

AUTHORIZATION

Bearer Token

Token

<token>

BODY raw

```
{
    "notification1": 0,
    "notification2": 0,
    "notification3": 1
}
```

Example Request   Edit notifications

```
var raw = "{\r\n    \"notification1\": 0,\r\n    \"notification2\": 0,\r\n    \"notification3\": 1\r\n

var requestOptions = {
  method: 'PUT',
  body: raw,
  redirect: 'follow'
};

fetch("https://esmad-atpi2-gg-api.onrende...                    ...options", requestOptions)
```

View More

PUT   Edit Password

https://esmad-atpi2-gg-api.onrender.com/users/security

Function

- Change user password.

Acess:

- **Users** (needs to be authenticated).

Body (raw JSON):

- **password**: *STRING required (min: 5, max 254).*

AUTHORIZATION

Bearer Token

Token

<token>

BODY raw

```
{
    "password": "test123"
}
```

Example Request   Edit Password

```
var raw = "{\r\n    \"password\": \"test123\"\r\n}";

var requestOptions = {
  method: 'PUT',
  body: raw,
  redirect: 'follow'
};

fetch("https://esmad-atpi2-gg-api.onrende...        tu",  requestOptions)
```

View More

DEL Delete Account

https://esmad-atpi2-gg-api.onrender.com/users/

Route:

- Delete account.

Acess:

- **Users** (needs to be authenticated).

AUTHORIZATION

Bearer Token

Token

<token>

Example Request   Delete Account

```
var requestOptions = {
  method: 'DELETE',
  redirect: 'follow'
};

fetch("https://esmad-atpi2-gg-api.onrender.com/users/", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```

Ecopoints

/ECOPOINTS

GET List (all)

https://esmad-atpi2-gg-api.onrender.com/ecopoints/

Route:

/ECOPOINTS

Function

- List all ecopoints in our database.

```
var requestOptions = {
  method: 'GET',
  redirect: 'follow'
};

fetch("https://esmad-atpi2-gg-api.onrender.com/ecopoints/", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```

GET List Specific

https://esmad-atpi2-gg-api.onrender.com/ecopoints?id=1

Route:

/ECOPOINTS?IID={ECOPOINTID}

Function

- List specific ecopoint of the database.

Acess:

- **Everyone** (no authentication).

PARAMS

id

1

Example Request   List Specific

```
var requestOptions = {
  method: 'GET',
  redirect: 'follow'
};
```

```
    .then(result => console.log(result))
    .catch(error => console.log('error', error));
```

POST Add

https://esmad-atpi2-gg-api.onrender.com/ecopoints/

Route:

/ECOPOINTS

Function

- Add new Ecopoint

Acess:

- **Users** (needs to be authenticated).

Body (raw JSON):

- **type**: *STRING required (max 254),*
- **lat**: *STRING required (max 254).*
- **long**: *STRING required (max 254).*

AUTHORIZATION

Bearer Token

Token

<token>

BODY raw

```
{
    "type": "undifferentiated",
    "lat": "41.36604299155886",
    "long": "-8.740316478409532"
}
```

Example Request   Add

var raw = "{\r\n   \"type\": \"undifferentiated\",\r\n   \"lat\": \"41.36604299155886\",\r\n   \"lo
```

```
    redirect: 'follow'
};
```

PUT Edit

https://esmad-atpi2-gg-api.onrender.com/ecopoints?id=13

Route:

/ECOPOINTS?ID= {ECOPOINTID}

Function

- Edit Ecopoint

Acess:

- **Users** (needs to be authenticated).

Body (raw JSON):

- **type**: *STRING required (max 254),*
- **lat**: *STRING required (max 254).*
- **long**: *STRING required (max 254).*

AUTHORIZATION

Bearer Token

Token

<token>

PARAMS

id

13

BODY raw

```
{
    "type": "undifferentiated",
    "lat": "41.36604299155886",
    "long": "-8.740316478409532"
}
```

Example Request   Edit

```
var raw = "{\r\n    \"type\": \"undifferentiated\",\r\n    \"lat\": \"41.36604299155886\",\r\n    \"lo

var requestOptions = {
  method: 'PUT',
  body: raw,
  redirect: 'follow'
};
```

View More

DEL Delete

https://esmad-atpi2-gg-api.onrender.com/ecopoints?id=13

Route:

/ECOPOINTS?ID= {ECOPOINTID}

Function

- Delete Ecopoint

Acess:

- **Users** (needs to be authenticated).

AUTHORIZATION

Bearer Token

Token

<token>

PARAMS

id

13

Example Request   Delete

```
var raw = "";
```

```
  body: raw,
  redirect: 'follow'
};
```

View More

Statistics

StartFragment

/STATISTICS

EndFragmen

PUT Edit User Statistics

https://esmad-atpi2-gg-api.onrender.com/statistics/

Route:

/STATISTICS

Function

- Edit user statistics (edit the current month)

Acess:

- **Users** (needs to be authenticated).

Body (raw JSON):

- **kilograms**: *NUMBER required (max 254)*

AUTHORIZATION

Bearer Token

Token

<token>

BODY raw

```
{
    "kilograms": "14"
```

Example Request

```
var raw = "{\r\n    \"kilograms\": \"14\"\r\n}";

var requestOptions = {
  method: 'PUT',
  body: raw,
  redirect: 'follow'
};
```

View More

Contact

/CONTACT

POST **Contact admin**

https://esmad-atpi2-gg-api.onrender.com/contact

Route:

/CONTACT

Function

- Send a message to the administrator. He will receive a notice in his email after receiving your message.

Acess:

- **Everyone** (no authentication).

Body (raw JSON):

- **name**: *STRING required (max 254),*
- **email**: *STRING required (max 254),*
- **subject**: *STRING required (max 254),*
- **message**: *STRING required (max 254),*

```
{
    "name": "My name",
    "email": "myemail@email.com",
    "subject": "Test",
    "message": "This is a test."
}
```

Example Request   Contact admin

```
var raw = "{\r\n    \"name\": \"My name\",\r\n    \"email\": \"myemail@email.com\",\r\n    \"subject\"

var requestOptions = {
  method: 'POST',
  body: raw,
  redirect: 'follow'
};
```