

## Topic made by the INR (Institut du Numérique Responsable)

### Context

One of the objectives of the "training and skills" working group managed by the *Institut du Numérique Responsable* has been to identify sustainable digital trainings.

### Subject

Firstly, you must propose **an accessible web page** (RGAA - French Accessibility Guidelines), which enable the web page visitors to visualize the trainings under two forms, **a cartography and a list**.

The teams will have to propose filters and a search engine to update the mapping and the list. You can draw inspiration from the <https://www.villes-internet.net/atlaas>.

Secondly, **you will need to allow an user to select the training courses he or she wishes to attend via a shopping basket**. For the purposes of the evaluation, we will select between 1 and 3 courses in the basket. The user will be able to delete a course from the basket. The teams will have to allow the user to automatically send an email to request a quote for the courses selected in the basket.

**The export of these courses must be in a PDF or Excel format, directly usable.** (no csv file)

**In summary, the teams will have to create an accessible (RGGA) website with 1 page only, allowing:**

- A presentation of sustainable digital trainings on one page in a cartographic and a list form
- The installation of a search engine / filters at the top of the page to find the training courses of interest (region, keyword, training organization, skills, etc.) with an update of the map and the list
- The creation of a training list and its export in PDF or Excel format
- The possibility of sending a request for a quote by e-mail

### Documents provided

1. Csv file of the trainings and their tags

## Evaluation

The evaluation will be based on the eco-design and accessibility of the website page and its functionality as requested above.

The solutions and the eco-design will be tested by tools presented on the website <https://institutnr.org/outils-ecoconception-accessibilite> with tools such as GT Metrix, GreenITAnalysis, Ecograder or LightHouse. As the mapping part is derogated under the web accessibility (RGAA), we consider the list display as its accessible alternative.

Teams are invited to use the opquast checklist: <https://checklists.opquast.com/fr/qualiteweb/>

All areas of the site, apart from the mapping, should have no accessibility errors and a maximum of 10 warnings when going through the tool <https://wave.webaim.org>

**The jury will base its decision on the timely submission of the teams on the storage space proposed by the challenge.**

**Under no condition will the jury try to "make work" an inaccessible or inactive website on the repository.**

- **Steps of the evaluation:**
  1. **Assessment of the validity of the projects (assessable and functional site) + submission of the summary document (PDF)**
  2. **Ranking and short list via the evaluation tools**
    - **Self-evaluation: insert your scores in the summary document**
    - **The jury will use an aggregation of indicators from online services**
  3. **The 16 best submissions will be evaluated via the scoring grid**
  4. **The best scores will be the winning teams: Top 3 student teams and Top 1 professional team**

## Restitution (in English or French)

In order to analyse the work done by the teams, the source code must be made available to the jury.

The **ZIP file** should have the following name : source.zip (lowercase only) and should be placed at the root of your web server (e.g. /VAR/www/html/source.zip).

In this ZIP file:

- Insert the **summary document explaining in DETAIL your strategy** (including your **self-evaluation and screenshots**), in pdf format.

# DESIGN GREEN *#Edition N°6*

The Jury will consider the summary document in its evaluation. We advise you to answer the questions in the document as the challenge goes.

The winners' solutions and summary documents will be available to the public at the closing ceremony.

Finally, send an email to [cfourcher@esaip.org](mailto:cfourcher@esaip.org) with the ZIP and a text file (readme.TXT) with the following mention "the sources of this challenge remains the property of the team of developers (Name and team number + name and first name of each participant).

## **IMPORTANT:**

- Error 404 or no access to the VPS = Disqualified
- **Do not include your team's name in your work (Site and PDF), only your team number.**