EuroVelo Website Developments
Call for Tenders

European Cyclists' Federation
2nd December 2024

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1. Introduction

The European Cyclists' Federation (ECF) is coordinating the development of EuroVelo, the European cycle route network, a network of cycling routes that connect the whole continent. The routes can be used by long-distance cycle tourists, as well as by local people making daily journeys. EuroVelo currently comprises of 17 routes.

ECF is looking for a consortia/company to perform a series of developments to update and improve the EuroVelo website. All changes made on the EuroVelo website should be thought out to be reflected in a user-friendly way on the desktop and mobile version of the website. These series of developments have been divided into two groups, reflecting the fact that they are part of two separate projects supported by Interreg South Baltic and Interreg Central Europe respectively: Baltic Biking Upgrade (BBU) on EuroVelo 10 (Lot 1) and Innovative participatory sustainable business model for cycling along the Iron Curtain Trail (ICTr-CE) on EuroVelo 13 (Lot 2).

The main aims of these EuroVelo website are:

1. To improve the user-friendliness of the EuroVelo 10 website, to facilitate the analysis of ECS surveys, and better promote the project activities, including the newly created cycling-friendly offers.
2. To improve the promotion of EuroVelo 13 and the ICTr tourism products developed in the frame of the ICTr-CE project.

2. Current situation

The EuroVelo web platform is a custom-designed IT solution that includes a proprietary GIS and CMS system developed by Cartographia.

On the frontend, the website is divided into two parts: for regular cyclists (EuroVelo.com) and professionals working in the cycling sector (Pro.EuroVelo.com). A common backend is used to update the content of both parts of the website. The GIS database centralises all GPX tracks available on EuroVelo.com and the GIS data of all surveys done with the ECS app—an app only provided on-demand dedicated to assessing long-distance cycling routes, different from the public EuroVelo app.

The EuroVelo app, developed by the Cartographia consortium, is available on iOS and Android operating systems. It only displays selected routes (EuroVelo 1, 3, 5, 8, 10, 13), with information taken directly from the shared web database (the content available on corresponding subpages on EuroVelo.com for these routes).

Full technology stack for the website:
- the core PHP code of the CMS is built onto the CodeIgniter framework and uses some external libraries
- the frontend code mainly uses HTML5, JavaScript, JQuery and LeafletJS, while stylesheets are made in SCSS
- the data is stored in PostgreSQL with PostGIS extension for the geographic part

3. Format of the Call

This Call consists of Lots 1 and 2, each with a total maximum value of 18.700,00 Euro and 11.850,00 Euro (VAT excluded) respectively. These activities are outlined in the coming pages.

Please be aware that the Call also contains annexes:

- **Annex 1:** Price offer template
  Please complete this annex as part of your offer submission package.
- **Annex 2**: Administrative form
  Please complete this annex as part of your offer submission package.

4. Activities

<table>
<tr><td colspan="2" style="background-color:purple;color:white">Lot 1 – Technical developments of EuroVelo.com, pro.EuroVelo.com and the backend to increase the visibility of EuroVelo 10 and support BBU project activities (objective 1)</td></tr>
<tr><td>Max. Budget for Lot 1:</td><td>€18.700,00 (VAT excluded)</td></tr>
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These website developments are conducted in the frame of the Interreg South Baltic programme, Baltic Biking Upgrade (BBU) project.

This Lot contains five activities, divided into different topics and items:

Activity 1.1: Promoting the resources created in the frame of the project

- **Topic 1**: Improve the Resources page
    - Topics should be sub-divided into three categories: "EuroVelo route", "Reports" (displaying the different types of reports), "Various/Other topics". *Precise names of categories to be confirmed at the implementation stage*.
    - A drop-down menu should appear by clicking on each category and several choices could be ticked for each drop-down menu. There should be the possibility to customise the "various/other topics" and add new ones in the backend.

- **Topic 2**: Improve the BBU project visibility:
    - Add customisable "related news" under the project page description (instead of "latest news").
      In the backend, there should be the possibility to select articles to be shown from both EuroVelo.com and pro.EuroVelo.com.
    - Create a tagging system to automatically connect different pages to one specific.
    - Add possibility to integrate logos to chosen pages in a visible location (to be defined at the implementation phase). There should be the possibility to add a link to these logos.
    - Add possibility to link a document to a "news page" of EuroVelo.com (currently, it is only possible for pro news).

Activity 1.2: Offering visibility to the offers developed in the framework of the project

- **Topic 3**: Create new POI type or new type of tile under "National and regional information" tab to display SME offers – *one option to choose depending on the feasibility and after discussing with the web developer*:
    - *Option 1*: create a new POI (point of interest) type called "services" that would appear on the interactive map of EuroVelo 10 when clicking on a stage or country (example of EuroVelo 10 in Poland page).
      A new tab "Services" would be created to show the details of those offers under the "stage" or "EuroVelo 10 in country" pages as for the "Public Transport" tab

(example EuroVelo 1 in France page). It could show the POI services list and also the cycling-friendly scheme, if existing in the country concerned.

- *Option 2*: add possibility to have SME offers as a tile under "National and regional information" tab that appears on "EuroVelo 10 in country" and "stage" pages. Like the "NECC" tile, it could have a specific colour background (to be defined) and a "label" appearing.

Activity 1.3: Improving the user-friendliness of the cycling-friendly services schemes page

- **Topic 4**: Improve the visibility and user-friendliness of the cycling friendly schemes page by changing its design:

    - Page/tabs names: The following page/tabs names should be changed: "Services for cyclists", "Bookable offers" and "Cycling friendly schemes". *Exact new names to be confirmed at the implementation stage.*
    - "Services for cyclists" page structure: For now, when you click on "Services for cyclists", the two sub-sections appear on top but the "bookable offers page" opens automatically. It should be changed so that when you click on "Services for cyclists", a proper subpage with two sections appears - it should be divided between two boxes: "Bookable offers" and "Cycling-friendly labels" along with short descriptions under the title.
    - "Cycling -friendly label" page structure: After implementing the above, when clicking on the "Cycling-friendly labels" box of the "Services for cyclists" page, we should arrive at the "Cycling-friendly labels" page whose structure will be improved to be more user-friendly:
    - o By adding a short customisable description at the top,
    - o By adding an interactive map, after the short description, displaying the different schemes in each country/region. When clicking on it, it will show the main information of the scheme (name, website, country/region concerned).
    - o Below, the labels would appear as "boxes"/"tiles". There could be three "boxes"/"tiles" per row, each presenting a cycling-friendly label on the same model as the future 'EuroVelo bookable offers search engine'. They would become a new type of "offer" on the backend.
    - o There should be the possibility to filter those labels per EuroVelo route, and per country, with breakdown menus on the side.
    - o At the bottom, there would be another customisable description with more information on different types of criteria and useful resources with the possibility to have "related documents" appearing at the very end of the page.

On top of that, the cycling friendly labels will appear under the EuroVelo route and country pages concerned with the label – *one option to choose depending on the feasibility and after discussing with the web developer*:

    - *Option 1:* a new tab "Services" could be created to show the cycling friendly labels concerned by the route under the "stage" or "EuroVelo 10 in country" pages similar to "Public Transport" tab (example EuroVelo 1 in France page).

- *Option 2*: Another option would be to have the cycling friendly labels shown as a tile under the "National and regional information" tab that appears on "EuroVelo 10 in country" and "stage" pages. Like the "NECC" tile, it could have a specific colour background (to be defined) and a "label" appearing.

Activity 1.4: Improving the information provided on the EuroVelo 10 website:

- **Topic 5**: Make the tabs "National and regional information", "News", "Maps and Guides", "Bookable offers" appear on the "stage pages".
- The "stage" pages should provide more information. For now, only a short description and the interactive map appear (see example). The "National and regional information", "news", "maps and guides", and "bookable offers" tabs should also appear under the "stage" pages.

Activity 1.5: Improving the backend of the website related to ECS surveys

- **Topic 6**: Make it easier for EuroVelo Route Inspectors to edit and analyse the data of their EuroVelo 10 survey and to prepare the Route Evaluation Report that will allow an overview of the route development.
    - Implement downloadable summary tables and graphs containing the main survey results on the backend at the daily section, region, country and route levels.
    - ECS survey results:
        - For EuroVelo Route Inspectors accessing their ECS survey results, add the following possibilities:
            - Create new point (by positioning it on the map of the minor section with a pin, choosing the type of POI and selecting the related parameters)
            - Move existing point
        - Add description fields
        - Add a little "?" next to each item under "Derived data", on which EuroVelo Route Inspectors could click to have an explanation of how the results are calculated, what calculations are done.
    - Add links to start/end POI edit from daily section edit page
    - POI creation improvements
        - Have "Settlement" as a default option when creating a new POI (probably 90% are settlements)
        - Have the map zoomed to the Europe level when creating a new POI
        - Zoom the map to a specific country when a country is set for a new POI
        - Automatically assign a country to POIs based on their location if it's not set already
    - Daily section creation/editing
        - When creating a new daily section, grey out or remove "choose tracks to upload" before first saving the DS

- o Automatically assign the first uploaded track as the section geometry
    -Automatically assign country to new sections basing on country assignment of the starting POI
  - o Upload the GPX track after selecting it in system dialogue without the need to click "Upload" again.
  - o Autosave the daily section after setting new section geometry and/or get rid of the "are you sure you want to replace…" dialogue pop-up
  - o Add a possibility to delete tracks
- — Add the possibility to select for which surveys you want to extract the excel file – for now you can only do so by filtering with time, country, inspector and route.
- — Add tables to the excel exported displaying:
  - an overview of the recurrence of public transport points to have a clear overview of which ECS criteria is met by each daily section,
  - a more detailed overview of the traffic categories shares related to the number of units per day and speed limits.
- — Arrange the roll-down menu for inspector ("by") when filtering the survey results in a logical order.
  Suggested development: sort alphabetically or replaced with a field where you type in a part of the name (similar to "search by name" in https://admin.eurovelo.com/poi)
- — Save the filters when searching for a survey, clicking on one survey and going back.
  Possible developments (to choose from):
  - Make it possible to generate a permalink (e.g. https://admin.eurovelo.com/survey/list?by=a.buczynski&route=EV15)
  - Allow CTRL-click on links from filter results to single surveys
  - Open single surveys in new tabs by default (not to be preferred)
- — Change the information to be filled in for each new profile of EuroVelo Route Inspector created (in particular, make the fact of adding the name and surname mandatory).

The basic maintenance of the new features described above will be assured for the next 5 years after the project ends (September 2031). A budget of €1,200 within the total budget of lot 1 (€18,700) should be dedicated to maintenance purposes.

Lot 2 – Promotion of EuroVelo 13 and the ICTr tourism products developed in the frame of the project

Max. Budget for Lot 2:	€ 11.850,00 (VAT excluded)

Activity 2.1 – Improving the user friendliness of the EuroVelo Bookable Offers page:

- Add text box with short description on what are bookable offers (text will be shared at a later stage) before displaying the full list of offers (for more details, refer to Topic 4 in Lot 1)
- Change the layout of bookable offer shown so that 3 offers appear per row in a grid style
- Change visible information on individual bookable offer boxes so that only the following appear for each. Display of the box will be defined at a later stage:
- Title
- EuroVelo route concerned
- Countries covered
- Price
- Duration
- Tour operator name
- Find Out More button which redirects the user to a new page on the EuroVelo website, specific to the concerned bookable offer (see below)
- Add option to have a carousel (3-4 picture of the tour) by clicking on arrow on middle-right side of image
- Add customisable label which can appear on each box. The text and colour of the label should be modifiable through the backend
- Create a separate webpage describing the bookable offer for each bookable offer. These pages should be made accessible by clicking on the concerned bookable offer box. The detailed format of the page will be defined at a later stage. This page will include the following information:
- Elevation
- Tour Type
- For (target cycling audience)
- Description of the tour (with option to add links, no number of characters limit, link to news article on ICTr Booking Centers, link to news article on Good Impact Programme)
- Logo of tour operator
- Logo of project if applicable
- Pictures of the tour
- Link to tour operator's page to book the tour
- A drop-down menu should appear by clicking on each category and several choices could be ticked for each drop-down menu. Keep the menu to the left of the page
- Add small chart of how we define difficulty level next to filters. Chart will be defined at a later stage
- Add an interactive map
  All itineraries of bookable offers/ general location should appear on the map. User will be able to select a route which will lead them to the information page (see above) of the specific offer

Activity 2.2 – Improving the user friendliness of the EuroVelo Route Planner

- Improve route planner banner on the homepage so that it is more visible
- Add the above banner to all route pages
- In "plan your trip" banner in the route planner, add option to select "least changes between EuroVelo routes" or "stay on this EuroVelo route"

The suggested routes when selecting this option should be calculated based on a newly created algorithms which prioritises staying on one EuroVelo rather than switching between different EuroVelo routes even if this elongates the itinerary.

- Adjust certain values in algorithms calculating trip itineraries. Values of the concerned algorithms are to be defined at a later stage.
- Improve how the GPX tracks display on mobile apps such as Garmin Connect and Mapy. Not all segments appear after download of GPX tracks.
- Add "city/town not in our database" text in drop down boxes when user types in city that isn't in the database
- In the plan your trip box, add a "reset" button ("New itinerary") linking to https://en.eurovelo.com/route-planner to go back to the initial page to plan a new itinerary. This button should be available on all pages suggesting an itinerary.
- Add Information icon in "plan your trip" banner. When clicking on the icon, a box with 'Disclaimer' and 'How to use the route planner' will appear. When clicking on one bullet point or the other, a page with the corresponding document will open.
- Improve design of box suggesting itinerary. Add titles to distance, elevation up, elevation down, estimated time

The basic maintenance of the new features described above will be assured for the next 5 years after the project ends (March 2031). A budget of €870 within the total budget of lot 2 (€11,850) should be dedicated to maintenance purposes.

5. Timeline for delivery

We require that:
- Lot 1 should be completed by 30th June 2026.
- Lot 2 should be completed by 31st December 2025.

Between the signing of the contract and the final deadline, the EuroVelo team and Tenderee will be in regular contact as to enable exchanges and alignment on the design of the web developments.

6. Condition to participate

Location: We are seeking a web developer based in Europe.
Language: A good level of English which allows smooth communication with the EuroVelo Team is required.
Previous Work: Experience with previous web development work in cycling tourism will be viewed favourably.
Equipment: Participants are expected to use their own equipment. The European Cyclists' Federation is not providing any equipment.
Autonomy and Proactivity: The selected Tenderer should demonstrate the ability to work autonomously while being proactive in responding to the requests and needs of the Tenderee, ensuring efficient communication and timely delivery of deliverables.
Round of Corrections: The Tenderer will provide at least 3 rounds of corrections at the request of the EuroVelo Team for each lot.

7. Offer submission details

Your offer should be submitted in English in electronic version only. The offers should be scanned and signed by the authorised person of your organisation.

The offer should include the following elements:

1. **Administrative form** (Annex 2) filled and signed.
2. Completed and signed **Price offer using the template** (Annex 1) in EURO and with VAT excluded.

Please send us your offer (it is mandatory to include the documents mentioned above) by Monday 6th January 2025 to c.de-froidmont@ecf.com and a.fournier@ecf.com.

The decision on the selected consortia/company will be taken by the end of January 2025.

The Tenderee is not obligated to accept the lowest bid or any bid and reserves the right, at its absolute discretion, to accept or reject any tender. The Tenderee also reserves the right to withdraw or modify this call for tender at any time as well as offer a contract limited to only one

of the lots. Acceptance of a tender by the Tenderee will be communicated digitally to the successful Tenderer, at which point the contract will be established and become binding.

Contact Information

For additional inquiries and questions related to this tender, please contact:

Lot 1
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Lot 2
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