C3s.maris.nl handover to EEA

There are several sources to collect page information from.

- This repository (MARIS B.V, contains HTML generator (uses Node, Yarn, Embedded JS))
- A consolidated json, compiled after the meeting on Monday morning April 19th.
- Cedadev C3S 434 Page Text Github

C3S.maris.nl consolidated JSON

Location: `./data/data_consolidated.json`
The data in this JSON is compiled from different sources in the C3S 434 project. The page texts are converted to HTML, and the JSON uses correct key-value pairs where the key is the C3S_434 identifier. This JSON contains the following:

- Indicator data (`./data/data_apps.json` + git markdown texts to HTML)
- Theme page data (`./data/data_themes.json`)
- Overview list page data (`./data/data_overview.json`)
- HTML page texts (e.g. Disclaimer) (`./data/data_html_pages.json`)
- Git Markdown data (`./data/git_data.json`) (retrieved from cedadev github)

All of them are combined in index.js, and form **./data/data_consolidated.json**

C3S.maris.nl generator Script

Requirements:

- NodeJS (min v12)
- Yarn

`yarn install` Install dependencies
`yarn dev` autogenerate pages on source update
`yarn build` generate pages manually

`src` contains templates, data and generator script
`public` contains de generated HTML pages
`data` contains the JSON data for generating the website (Texts & titles from Cedadev github repo)

Landing page (Sections)

More or less completely static HTML, template source can be found in `/src/templates/index.ejs`

Disclaimer

A separate page is created for a disclaimer, with the data under key "html_pages" in the consolidated JSON. On the landing page we show a summarized text and link to this disclaimer.

Overview list page

The overview list is generated from the indicator list (consolidated JSON > "indicators"), and is stored as JSON in the consolidated JSON under key "overview_page".

JSON data

The overviewlist is ordered by category and hazard type, using the arrays defined in the JSON.

```
{
  ...
  "overview_page": {
    // Page description
    "description": "HTML page descrption.",
    // Arrays to keep track of order
    "category_order": [ "Heat and cold", "Wet and dry",  "Wind", "Snow and ice",
"Coastal", "Oceanic", "Other" ],
    "hazard_type_order": [
      [ "Mean temperature", "Extreme heat", "Cold spells and frost" ],
      [ "Mean precipitation", "Extreme precipitation", "River flooding",
"Aridity", "Drought", "Wildfire" ],
      [ "Mean wind speed", "Severe windstorm" ],
      [ "Snow and land ice" ],
      [ "Relative sea level", "Coastal flooding" ],
      [ "Ocean temperature", "Biochemical ocean properties" ]
    ],
    // Generated list of inicators.
    "hazard_list": {
      "Heat and cold": {
        "Extreme heat": [
          {
            "title": "Monthly statistics for daily maximum temperature, 2011-
2099",
            "url": "agriculture/average-maximum-temperature.html"
          },
          ...
        ],
        ...
      },
      ...
    }
  },
  ...
}
```

Link to disclaimer

On the overview list page, we link to the disclaimer, just like the landing page.

Theme pages

A theme page is used to collect multiple climate adapt applications together, it's the step between the landing page and the app page.

JSON data

The theme page contents are stored in the consolidated JSON under the key `"themes"`.

```json
{
  ...
  "themes": {
    "health": {
      "theme_title": "Health",
      "description": "Climate change ... and air quality.",
      //links to the climate adapt overview application HTML pages, with their
titles.
      "apps": [
        {
          "title": "Climatic suitability for the tiger mosquito - season length,
1971-2099",
          "url": "health/climatic-suitability-of-tiger-mosquito--season-
length.html"
        },
        ...
      ]
    },
    ...
  },
  ...
}
```

Climate Adapt Application pages

A Climate Adapt overview application consists of two pages that form a pair. One indicator has an 'overview' app and a 'detail' app. Both pages have their own embeds & page content which differ from each other.

JSON data

The climate adapt application page contents are stored in the consolidated JSON under the key `"indicators"`.

```json
{
  "indicators": {
    "C3S_434_013": {
```

```
      // Overview page description
      "description": "Overview description",
      // Detail page description
      "description_detail": "Detail description",
      // App title above the embed:
      "indicator_title": "Projected change in the monthly average of Daily Maximum
Temperature",
      // Page title
      "page_title": "Monthly statistics for daily maximum temperature, 2011-2099",
      // Indicator page
      "theme": "Agriculture",
      // Internal identifier
      "identifier": "C3S_434_013",
      // Detail embed config URL
      "detail": "https://cds.climate.copernicus.eu/workflows/c3s/hidden-app-
agriculture-tmax-detail-web/master/configuration.json?configuration_version=3.0",
      // Overview embed config URL
      "overview": "https://cds.climate.copernicus.eu/workflows/c3s/hidden-app-
agriculture-tmax-overview-web/master/configuration.json?
configuration_version=3.0",
      // Basic page url, we use this to generate page-url.html and page-url-
detail.html
      "page_url": "average-maximum-temperature",
      // Hazard category (for automatic generation of the Overview List page)
      "hazard_category": "Heat and cold",
      // Hazards (for automatic generation of the Overview List page) (Could be
multiple in the past)
      "hazards": [
        "Extreme heat"
      ],
      //page URLs created with the "page_url" parameter. It can occur that
page_url does not exist, then we convert the page_title to a URL compatible
string.
      "overviewpage": "average-maximum-temperature.html",
      "detailpage": "average-maximum-temperature-detail.html",
      // Unused (comes from cedadev github, don't know why)
      "units": "(°C)",
      // Extra workflow parameters, for the detail and overview pages respectively
      "vars": {
        "detail": {},
        "overview": {}
      }
    },
    ...
  },
  ...
}
```

Embed code

```html
<!-- HTML, toolbox app fills the element with id="toolbox-app" -->
<div class="t-ct">
    <div id="toolbox-app">
        <div class="pre-app-loading">
            <img
src="https://cds.climate.copernicus.eu/toolbox/assets/spinner.svg" alt="Loading">
            <div>
                Loading indicator...
            </div>
        </div>
    </div>
</div>

<!-- Needed for the toolbox to function correctly -->
<script type="text/javascript">
    window.cds_toolbox = {
        cds_public_path: 'https://cds.climate.copernicus.eu/toolbox/'
    };
</script>

<!-- Make sure to always use an up-to-date version of the toolbox -->
<script type="text/javascript"
    src="https://cds.climate.copernicus.eu/toolbox/toolbox-4.23.1.js"></script>

<!-- WORKFLOW contains the URL to the configuration for the embed -->
<!-- WORKFLOWPARAMS contains the extra parameter(s) to pass to the
workflow/indicator app -->
<script type="text/javascript">
const WORKFLOW = 'https://cds.climate.copernicus.eu/workflows/c3s/hidden-app-
health-mosquito-detail-web/master/configuration.json?configuration_version=3.0';
const WORKFLOWPARAMS = {"indicator":"Length of season"};

(function () {
    document.addEventListener('DOMContentLoaded', function () {
        window.cds_toolbox.runApp(
            'toolbox-app', // ID to attach to
            WORKFLOW,
            {
                workflowParams: WORKFLOWPARAMS,
            }
        );
    }, false);
}) ();
</script>
```

Texts from GitHub

The markdown texts are collected from the cedadev Consolidated.json on github.

Link to disclaimer

On the Climate Adapt app page, we link to the disclaimer, just like the landing page.