GeoJSON-T

Adding Time to GeoJSON

Karl Grossner

University of Pittsburgh World History Center

https://github.com/kgeographer/geojson-t
GeoJSON is a format for encoding a variety of geographic data structures.

geojson.io
GitHub
Leaflet
OpenLayers
mapbox
QGIS
esri
GeoJSON
{
"type": "FeatureCollection",
"properties": {
"id": "euro_poland",
"label": "Admin bounds collection: euro_poland"
},
"features": [
{
"type": "Feature",
"properties": {},
"geometry": {},
"when": {}
},
... ...
]
}

GeoJSON-T
"features": [
{
  "type": "Feature",
  "properties": {
    "when": {
      "type": "Feature",
      "properties": {
        "type": "Feature",
        "properties": {
          "type": "Feature",
          "properties": {
            "type": "Feature",
            "properties": {
              "type": "Feature",
              "properties": {
                "type": "Feature",
                "properties": {
                  "type": "Feature",
                  "properties": {
                    "type": "Feature",
                    "properties": {
                      "type": "Feature",
                      "properties": {
                        "type": "Feature",
                        "properties": {
                          "type": "Feature",
                          "properties": {
                            "type": "Feature",
                            "properties": {
                              "type": "Feature",
                              "properties": {
                                "type": "Feature",
                                "properties": {
                                  "type": "Feature",
                                  "properties": {}
"when": {
  "timespans": [
    {
      "start": { "in": "nnnn-nn" },
      "end": {
        "earliest": "-nnnn",
        "latest": "nnnn-nn-nn"
      }
    },
  ],
  "periods": [
    {
      "name": "Hellenistic Period",
      "uri": "http://n2t.net/ark:/99152/p0mn2ndq6bv"
    }
  ],
  "duration": "P100Y",
  "follows": "http://mygaz.org/p_00123",
  "label": "for a century in the Hellenistic period"
}

https://github.com/kgeographer/geojson-t
https://github.com/kgeographer/geojson-t/issues/3
Related Links

GitHub: https://github.com/kgeographer/geojson-t
Blog post: http://kgeographer.org/geojson-t-adding-time-to-geojson/
Demo (1): http://linkedpaths.kgeographer.org (earlier spec)
Demo (2): http://whgazetteer.org (uses Linked Places format)

Twitter: @kgeographer
Email: karl@kgeographer.org