

```

res = 640;
SetDirectory["C:\\drorbn\\Album\\2024.08.01-17_Geneva_and_Les_Diablerets"];
fs = FileNames["*Diablerets*.gpx"]
data = DeleteCases [
  Union@Table["Geometry" /. Import[f, "Data"], {f, fs}],
  GeoPosition[[_ , None]], ∞
];
map0 = GeoGraphics[{Red, data}, GeoScaleBar → "Kilometers", ImageSize → res];
fs1 = FileNames["*.gpx", (".." /> #) & /@ {
  "2022.09.02_Afternoon_Hike_Near_Les_Diablerets"
}]
data1 = DeleteCases [
  Union@Table["Geometry" /. Import[f, "Data"], {f, fs1}],
  GeoPosition[[_ , None]], ∞
];
Rasterize[
  map = GeoGraphics[{Thick, Blue, data1, Red, data},
    GeoScaleBar → "Kilometers",
    ImageSize → res,
    GeoRange → (GeoRange /. Options[map0])
  ],
  RasterSize → res
]
Export["PathsInLesDiablerets@.png", map];

map3D = Echo@ResourceFunction["GeoElevationGraphics3D"] [
  {Thick, Blue, data1, Red, data},
  GeoGridRangePadding → 0,
  GeoScaleBar → "Kilometers",
  ImageSize → res,
  GeoRange → (GeoRange /. Options[map0])
];
Export["PathsInLesDiablerets3D@.png", map3D]

PathsLocation = Module[{R = 3000, r = 10, n = 6, res = 600},
  ImageAssemble [
    Partition[#, 3] &@Table [
      Rasterize [
        GeoGraphics[{Thick, Red, data},
          GeoCenter → Mean@Cases[data, GeoPosition[L_List] => Mean[L], ∞],
          GeoRange → Quantity[R (r / R)^(k-1) / (n-1), "Kilometers"],
          GeoScaleBar → "Kilometers",
          ImageSize → res
        ],
        RasterSize → res
      ]
    ]
  ]
];

```

```

    ],
    {k, n}],
    "Fit", Background → White]
]
Export["PathsLocationLesDiablerets.png", PathsLocation]

```

```
ResetDirectory[]
```

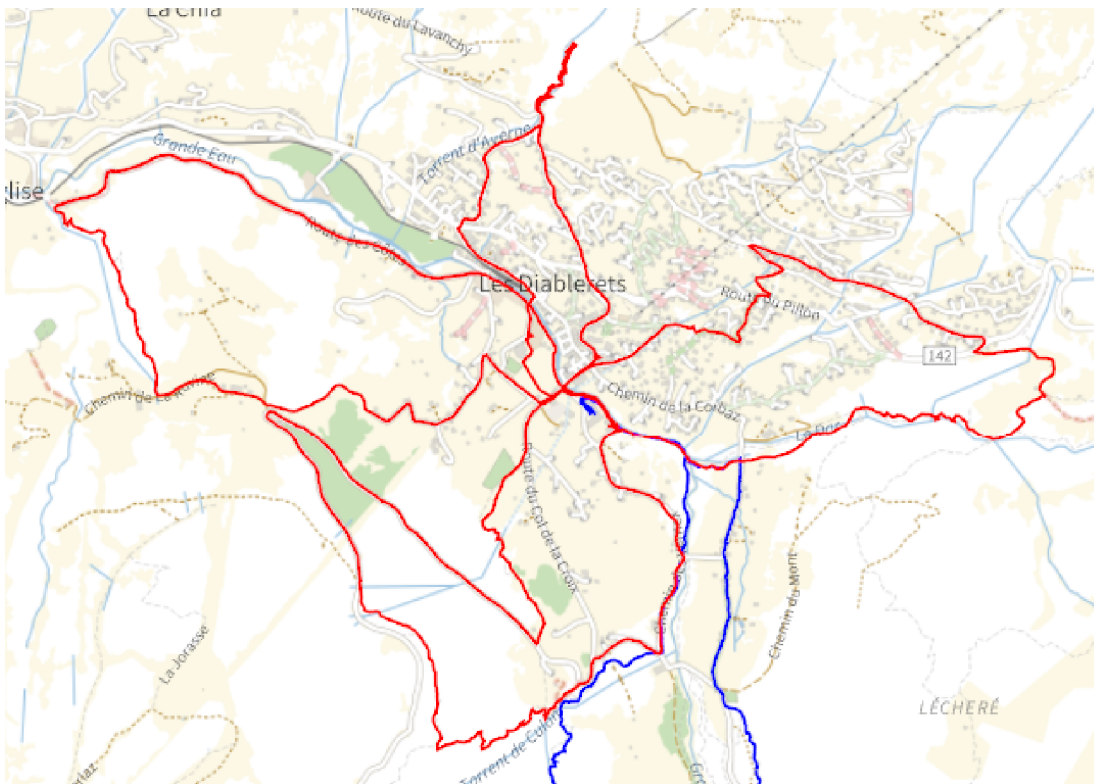
Out[*]=

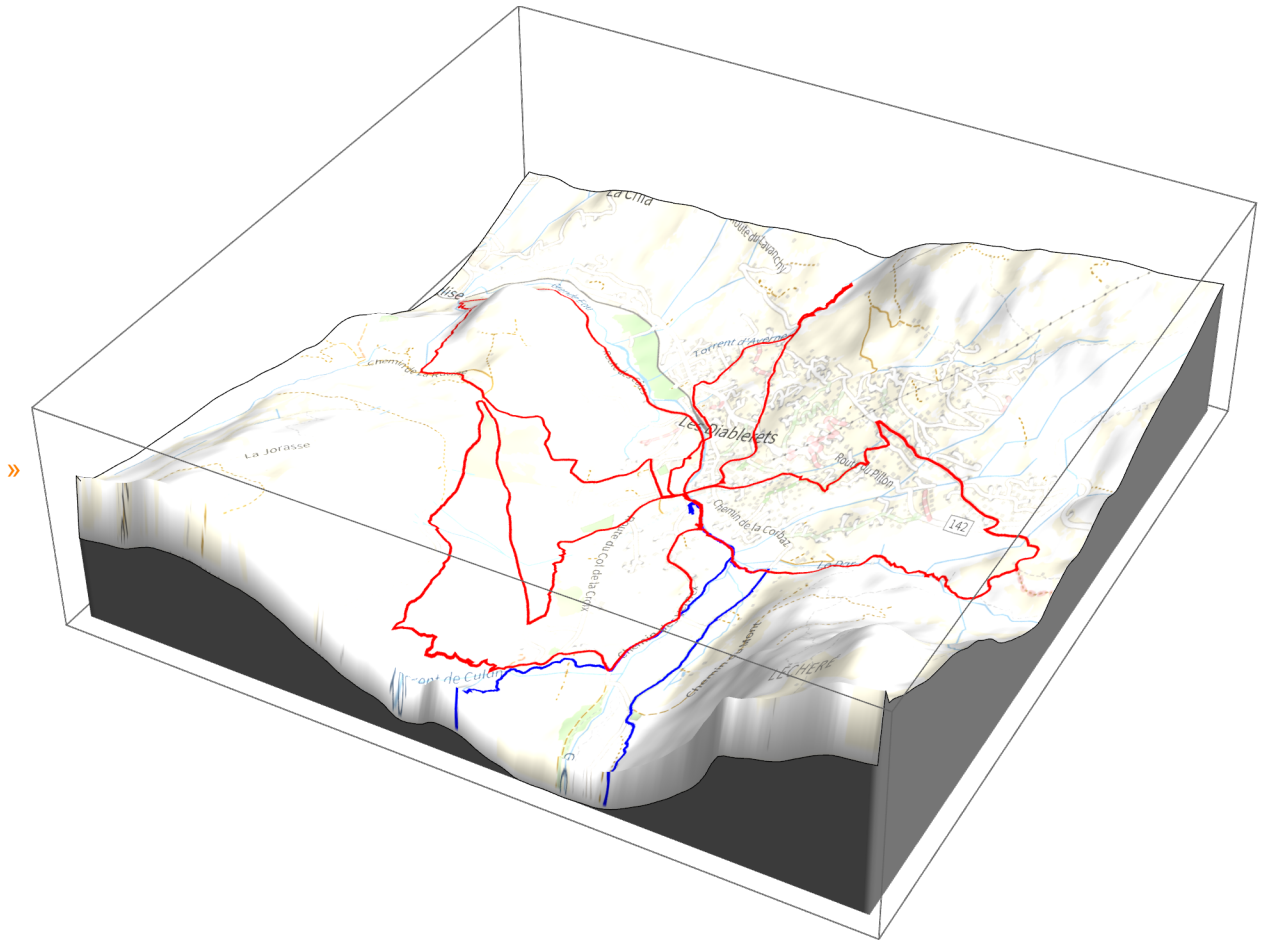
```
{2024-08-07_1768324695_Les Diablerets Walk 240807.gpx,
 2024-08-07_1769492087_Les Diablerets Walk 240807-2.gpx,
 2024-08-08_1770748587_Les Diablerets Walk 280808.gpx,
 2024-08-09_1773273738_Les Diablerets Walk 240809.gpx}
```

Out[*]=

```
{../2022.09.02_Afternoon_Hike_Near_Les_Diablerets\2022-09-02_13-30_Fri.gpx}
```

Out[*]=

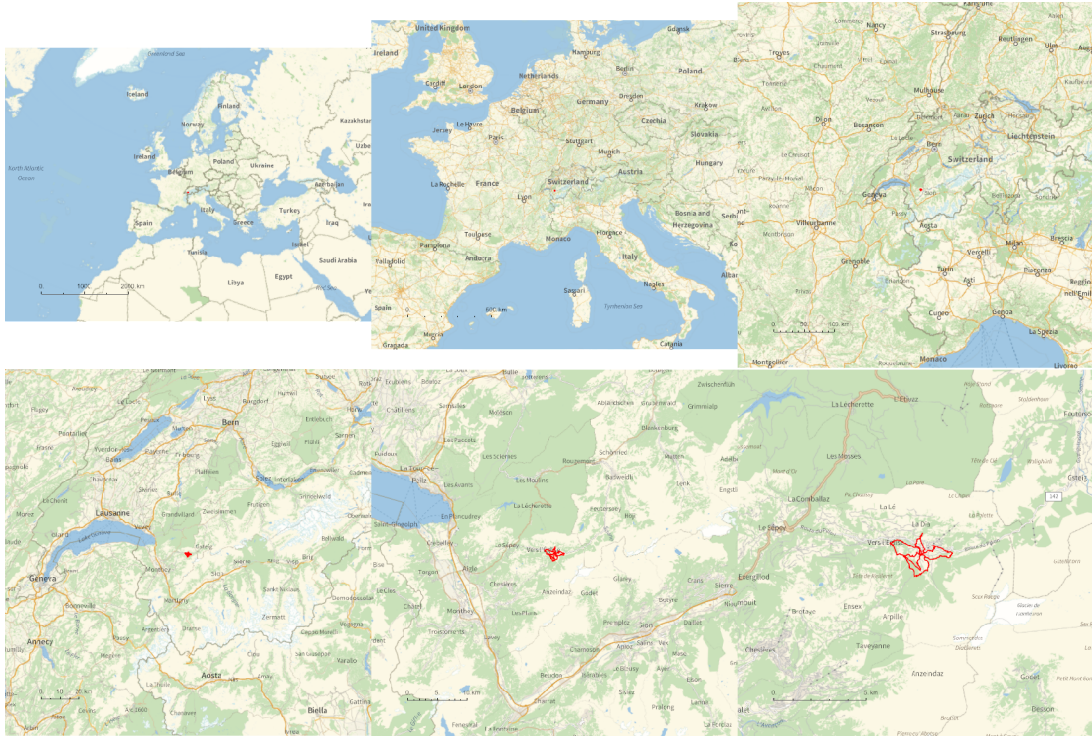




Out[*]=

PathsInLesDiablerets3D@.png

Out[]=



Out[]=

PathsLocation.png

Out[]=

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```

In[ ]:= res = 640;
SetDirectory["C:\\drorbn\\Album\\2024.08.01-17_Geneva_and_Les_Diablerets"];
fs = FileNames["*Geneva*.gpx"]
data = DeleteCases [
  Union@Table["Geometry" /. Import[f, "Data"], {f, fs}],
  GeoPosition[[_ , None]], ∞
];
map0 = GeoGraphics[{Red, data}, GeoScaleBar → "Kilometers", ImageSize → res];
fs1 = FileNames["*.gpx", (".." <> #) & /@ {
  "2022.06.26_Geneva_to_Annecy_Ride",
  "2022.07.02-03_Ride_Around_Lake_Geneva",
  "2022.08.28_Ride_Up_and_Around_Mont_Saleve",
  "2023.12.02_Geneva_Alone_the_Rhone",
  "2024.08.11_Geneva_to_Aix-les-Bains"
}]
data1 = DeleteCases [
  Union@Table["Geometry" /. Import[f, "Data"], {f, fs1}],
  GeoPosition[[_ , None]], ∞
];
Rasterize[
  map = GeoGraphics[{Thick, Blue, data1, Red, data},

```



```

    GeoScaleBar → "Kilometers",
    ImageSize → res,
    GeoRange → (GeoRange /. Options[map0])
  ],
  RasterSize → res
]
Export["PathsInGeneva@.png", map];

map3D = Echo@ResourceFunction["GeoElevationGraphics3D"] [
  {Thick, Blue, data1, Red, data},
  GeoGridRangePadding → 0,
  GeoScaleBar → "Kilometers",
  ImageSize → res,
  GeoRange → (GeoRange /. Options[map0])
];
(*Export["PathsInGeneva3D@.png", map3D] *)

PathsLocation = Module[{R = 3000, r = 10, n = 6, res = 600},
  ImageAssemble [
    Partition[#, 3] &@Table [
      Rasterize [
        GeoGraphics[{Thick, Red, data},
          GeoCenter → Mean@Cases[data, GeoPosition[l_List] :> Mean[l], ∞],
          GeoRange → Quantity[R (r / R)(k-1) / (n-1), "Kilometers"],
          GeoScaleBar → "Kilometers",
          ImageSize → res
        ],
        RasterSize → res
      ],
      {k, n}],
    "Fit", Background → White]
]
Export["PathsLocationGeneva.png", PathsLocation]

ResetDirectory[]

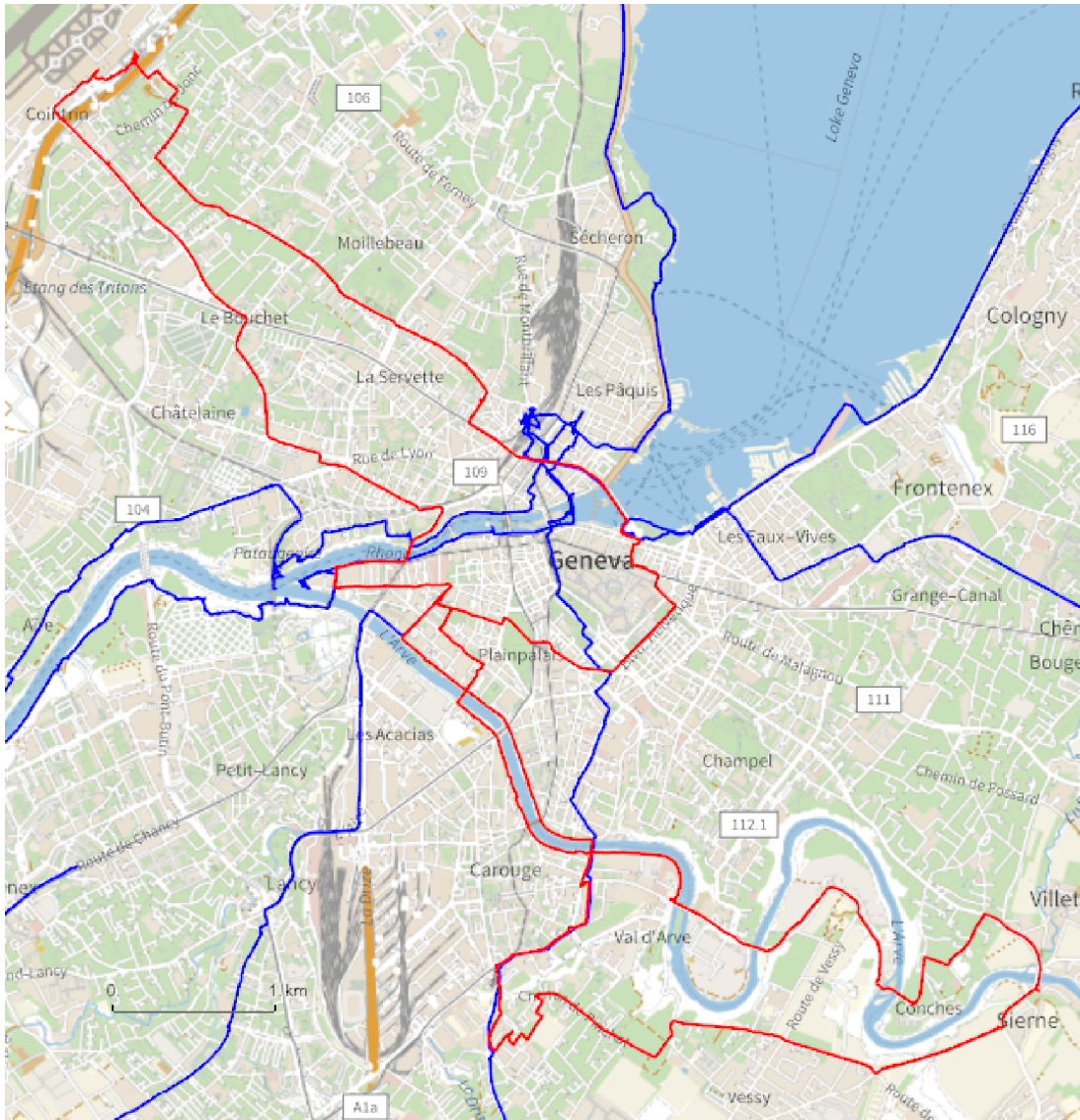
Out[ ] =
{2024-08-14_1786625473_Geneva_Ride_240814.gpx,
 2024-08-16_1791817035_Geneva_Ride_240816.gpx}

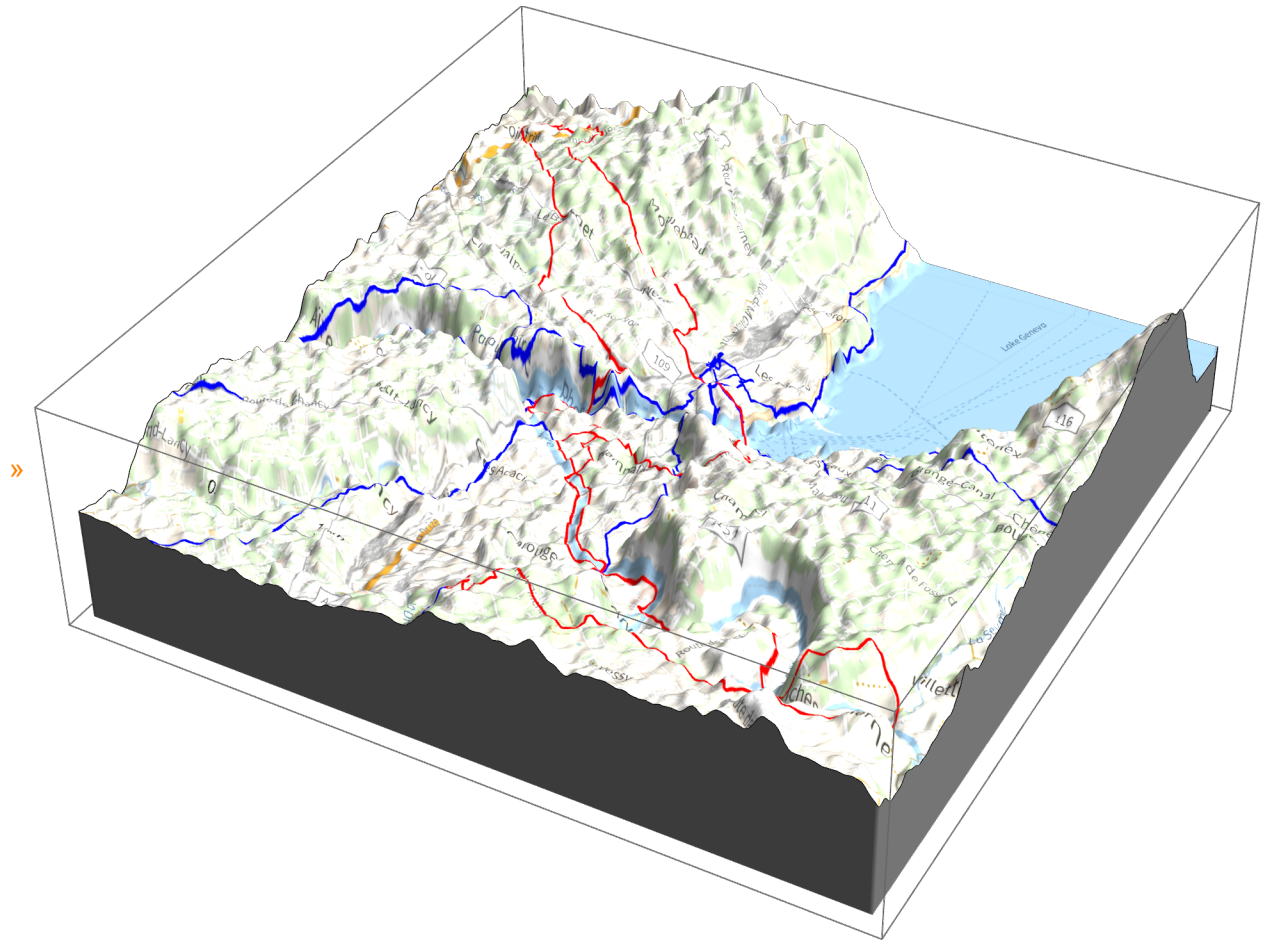
```

Out[]=

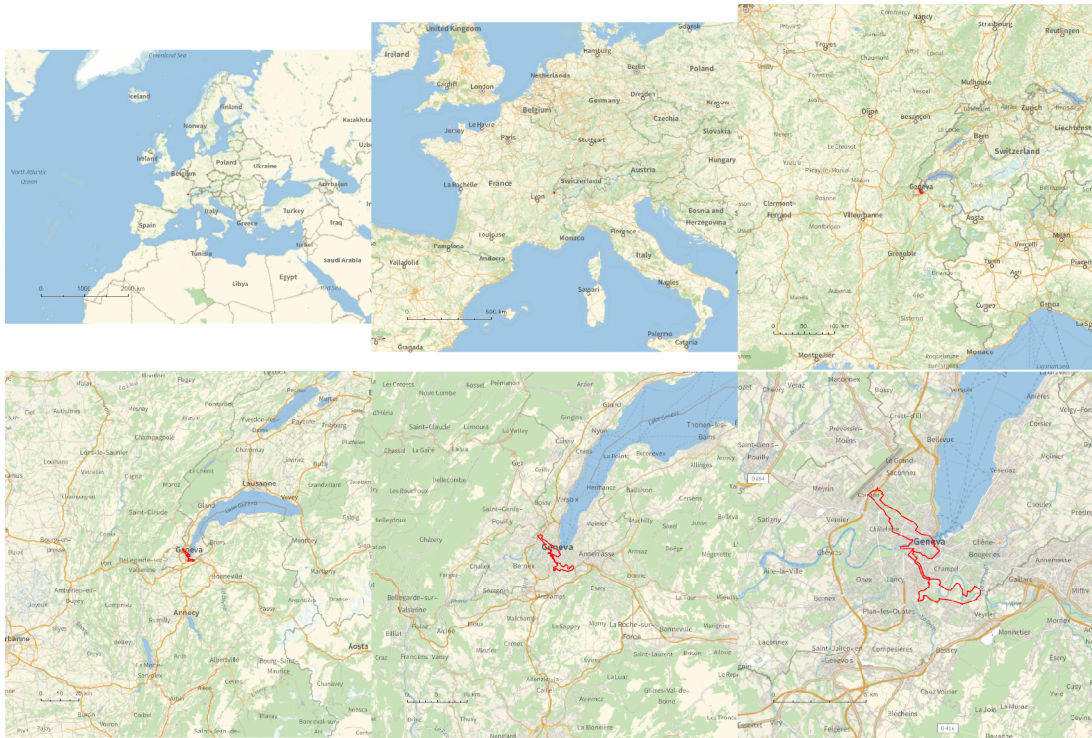
```
{../2022.06.26_Geneva_to_Anncy_Ride\2022-06-26_08-36_Sun.gpx,  
../2022.07.02-03_Ride_Around_Lake_Geneva\2022-07-02_08-15_Sat.gpx,  
../2022.07.02-03_Ride_Around_Lake_Geneva\2022-07-03_07-39_Sun.gpx,  
../2022.08.28_Ride_Up_and_Around_Mont_Saleve\2022-08-28_08-07_Sun.gpx,  
../2023.12.02_Geneva_Alone_the_Rhone\2023-12-02_07-10_Sat.gpx,  
../2024.08.11_Geneva_to_Aix-les-Bains\2024-08-11_1779548097_2024.08.11_Geneva_to_Aix-  
les-Bains.gpx}
```

Out[]=





Out[]:=



Out[]:=

PathsLocationGeneva.png

Out[]:=

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In[]:=

```
{
  "TitleNotes" → "With Alexandra, Anton, Guillaume, Iva, Marci, and Zsuzsi",
  "ImageComments" → {}
}
```

Out[]:=

```
{TitleNotes → With Alexandra, Anton, Guillaume, Iva, Marci, and Zsuzsi,
  ImageComments → {}}
```