



Geodiversity as a key component for the evaluation of urban biodiversity

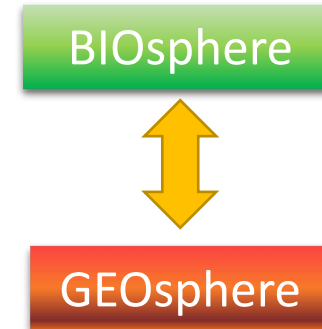
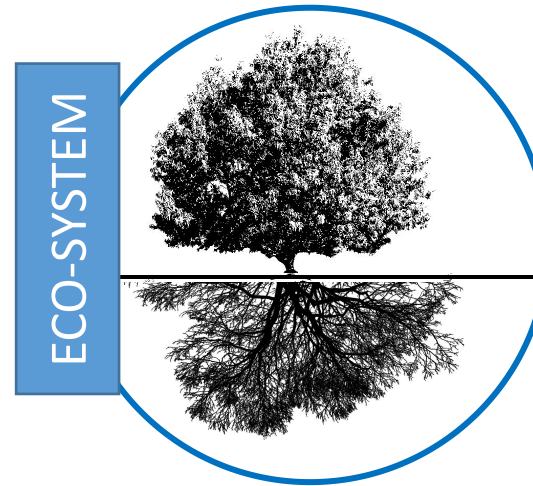
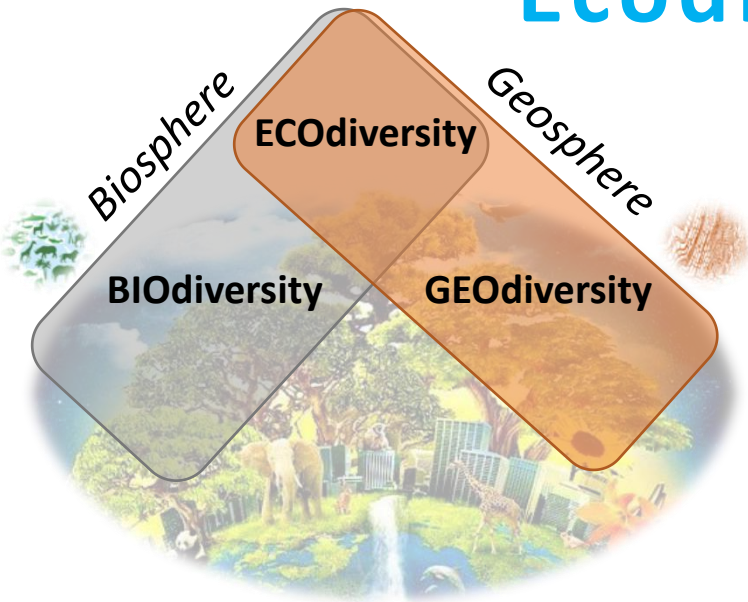
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Ecodiversity and sustainability



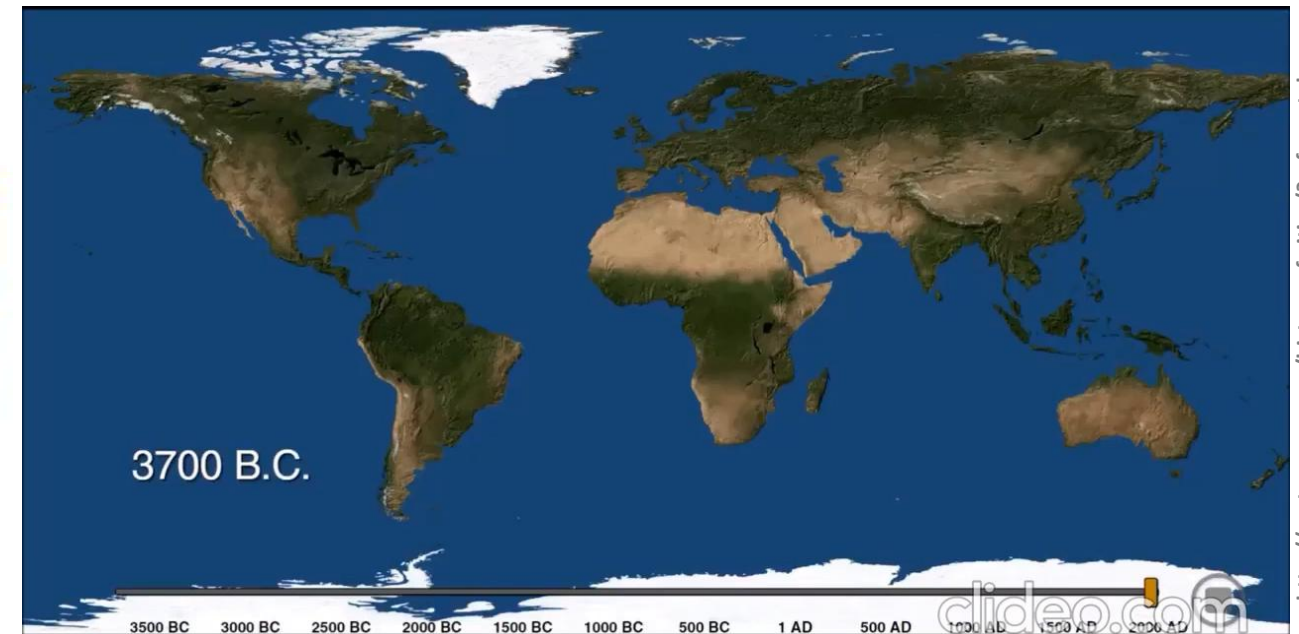
SUSTAINABLE DEVELOPMENT GOALS



2050

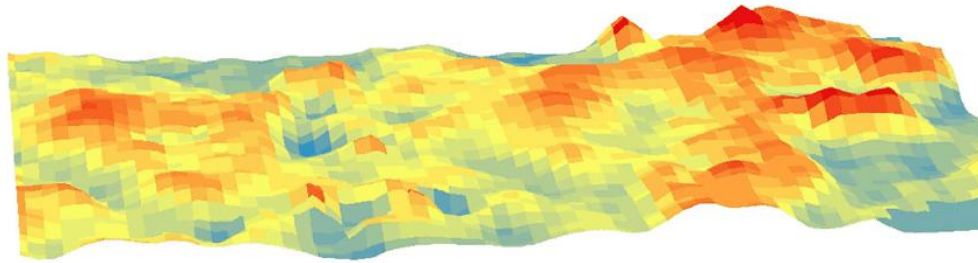
70% world population will live in the cities
10% landmasses will be urbanized

World Urbanization Prospects (2018)

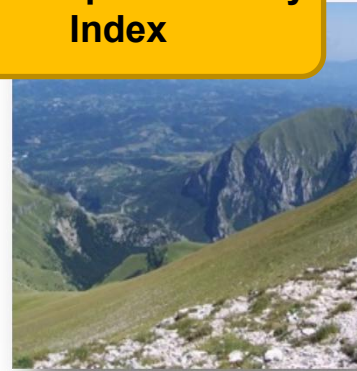


Spatial analysis and Urban Geomorphology

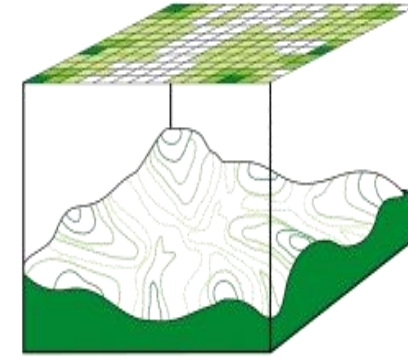
Digital Elevation Model



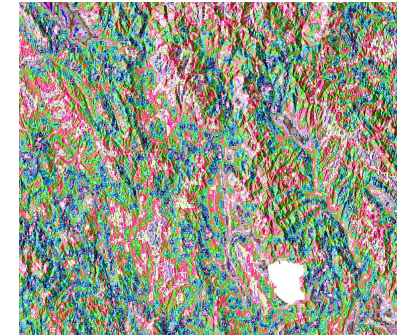
Geo-morphodiversity
Index



Landscape
Landforms



GIS
analysis

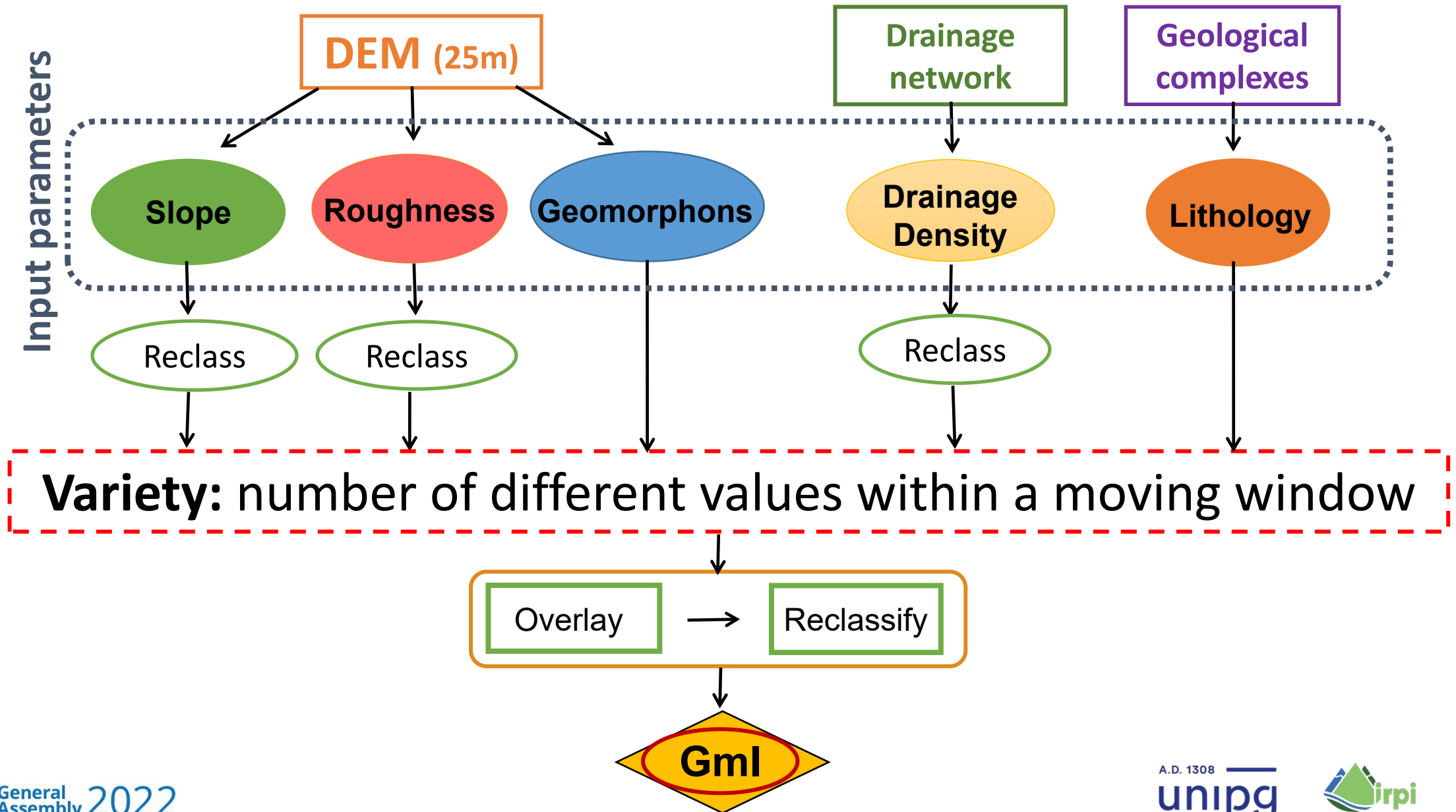


Mapping
Geomorphodiversity

Melelli et al. (2017)

The **Urban Geomorphology** as a key factor to have a complete overview on the abiotic and biotic parameters in sustainable cities

Geo-morphodiversity Index (Gml)



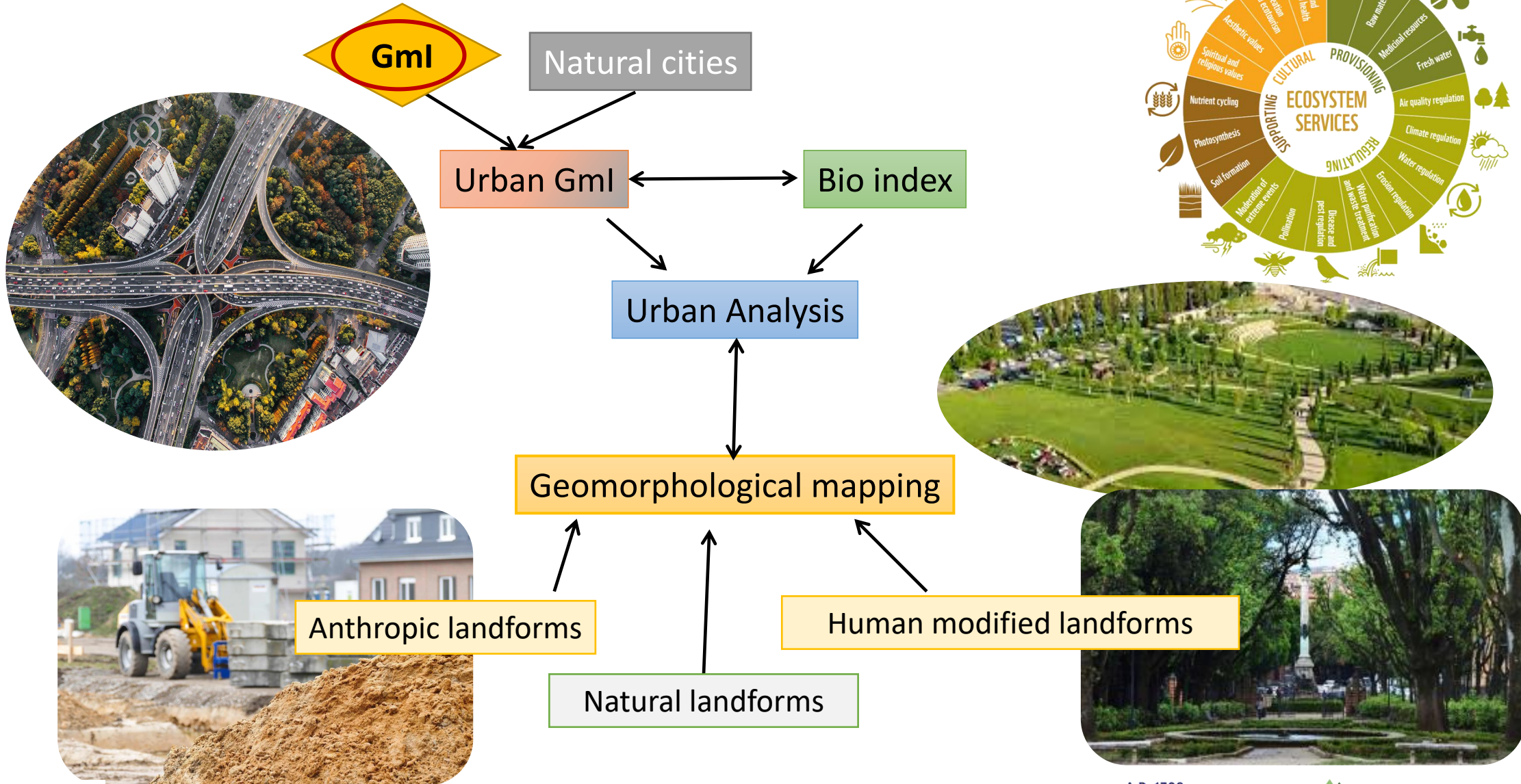
Further application and perspective

Small-scale analysis

Remote sensing data

Large-scale analysis

Field data



Thanks for your attention!

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