

The EuroGeoNames project: producing a virtual geographical names database

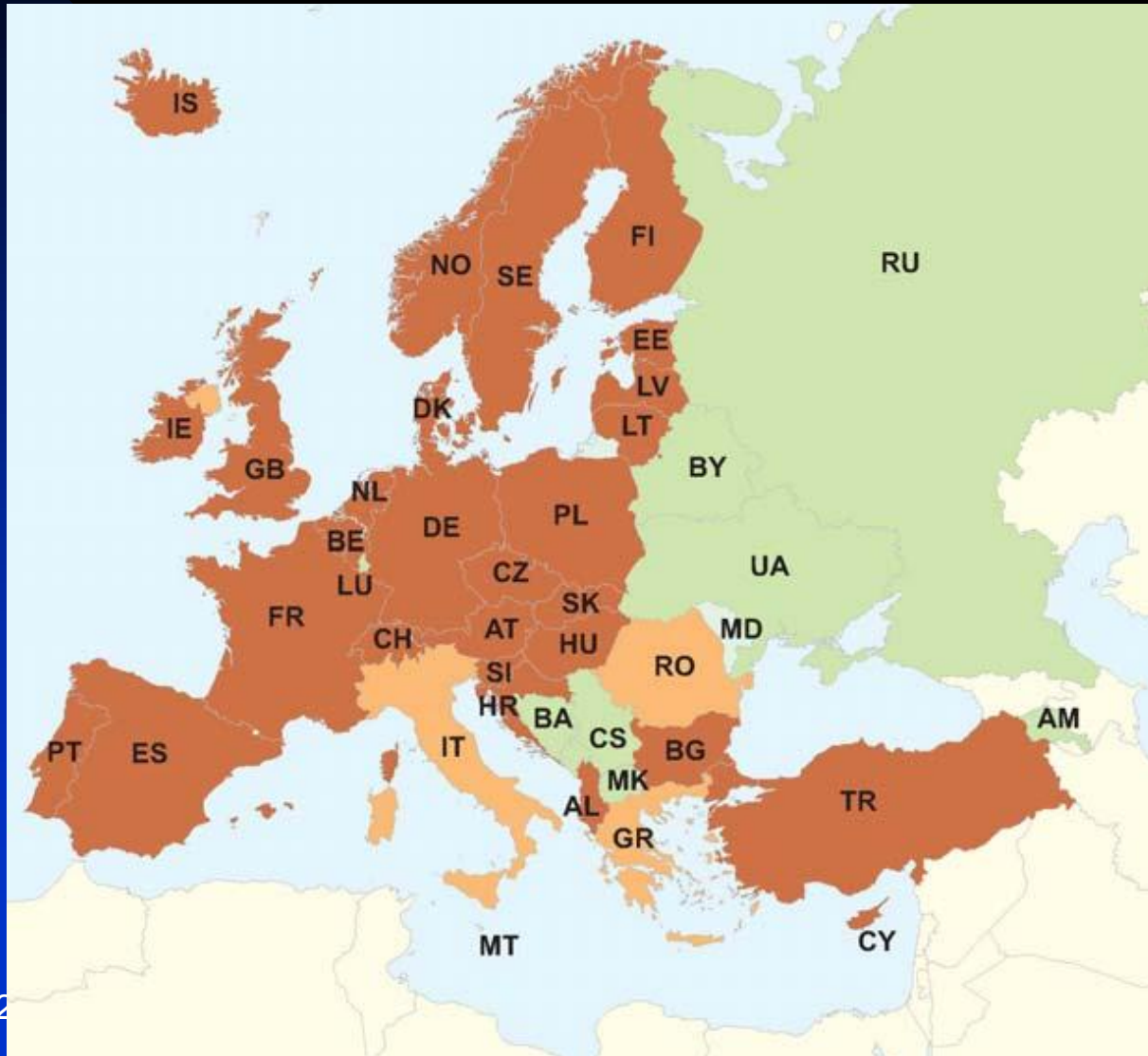
Ferjan Ormeling

Developing a European geographical names infrastructure
by linking national names data bases

EuroGeoNames Consortium

- Bundesamt für Kartographie und Geodäsie (Germany)
- Utrecht University (the Netherlands)
- Land Survey Offices of Austria
- Land Survey Offices of Slovenia
- EuroGeographics
- ESRI Germany
- Edinburgh University (UK)
- GeoDan (the Netherlands)
- GeoTask (Switzerland)

28 Countries that participated in the inventory (2005)



Brown:
participated

Orange: only
sent
address of
contact
person

Green: not
answered



needs hotel in x,y

Punch in a location or area name

No direct match

Direct match

Do fuzzy search with exonyms and coordinates

Feature and location check

Terminate search

No match

match with correct spelling

No match

match with correct spelling

check attribute info

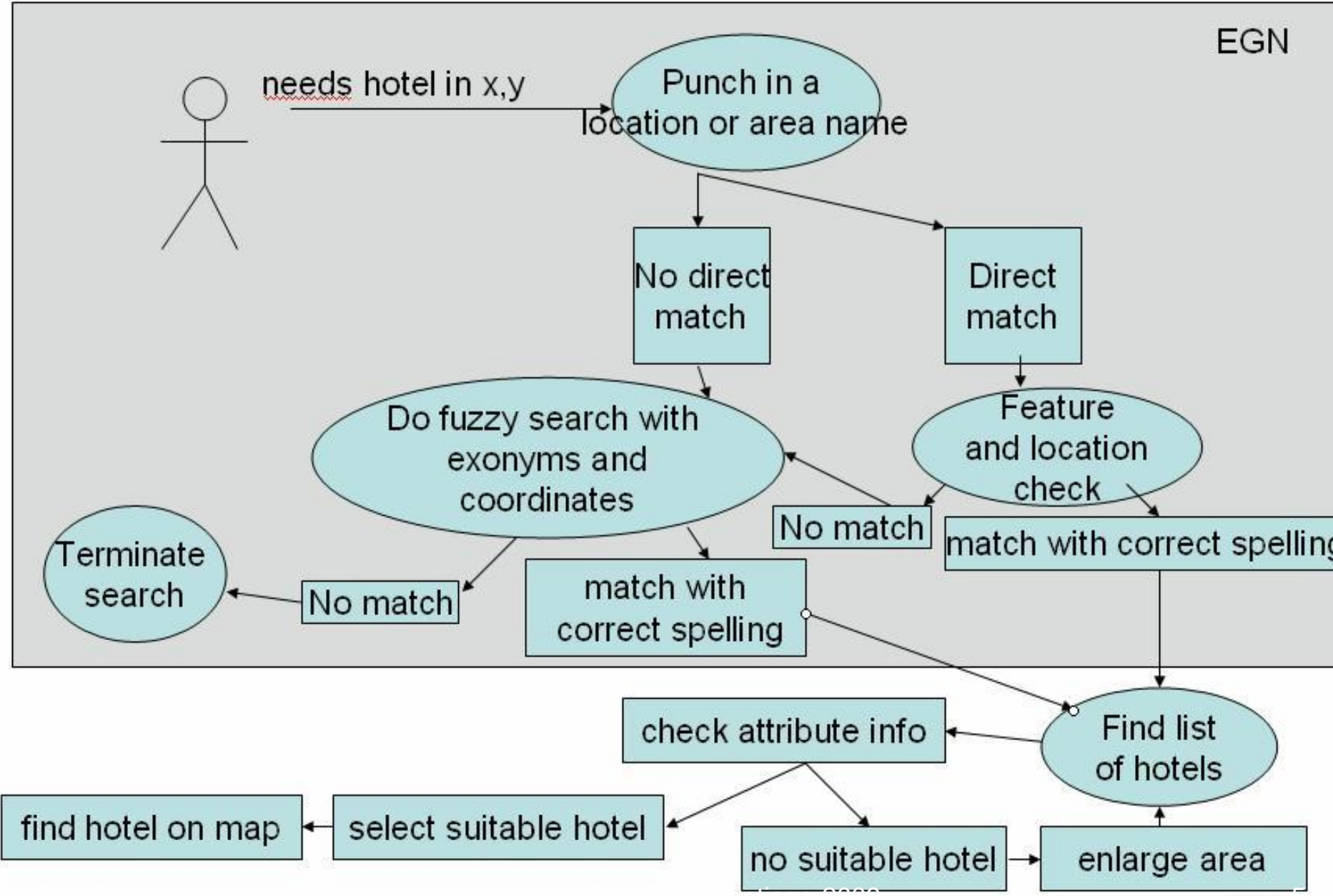
Find list of hotels

find hotel on map

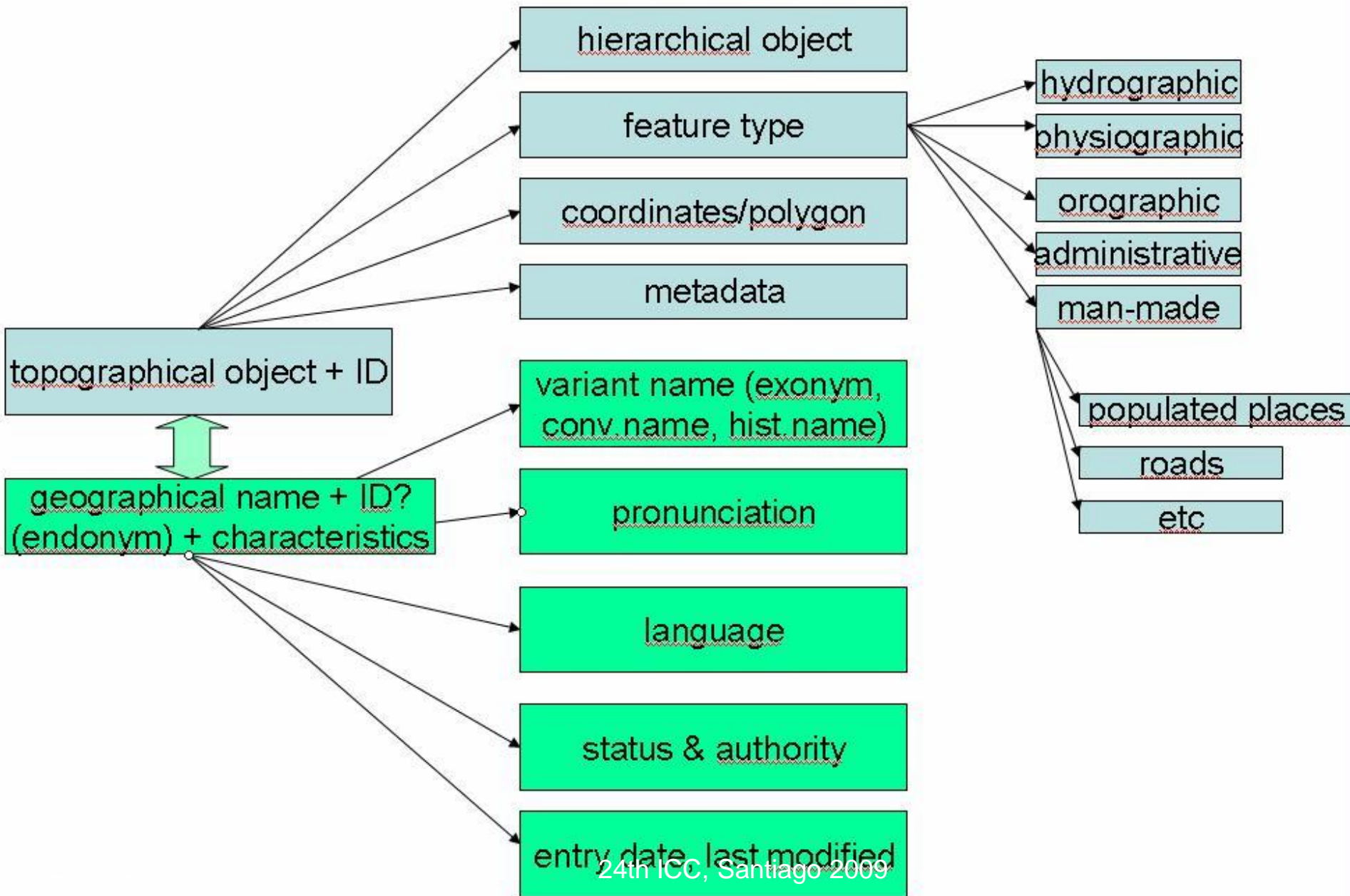
select suitable hotel

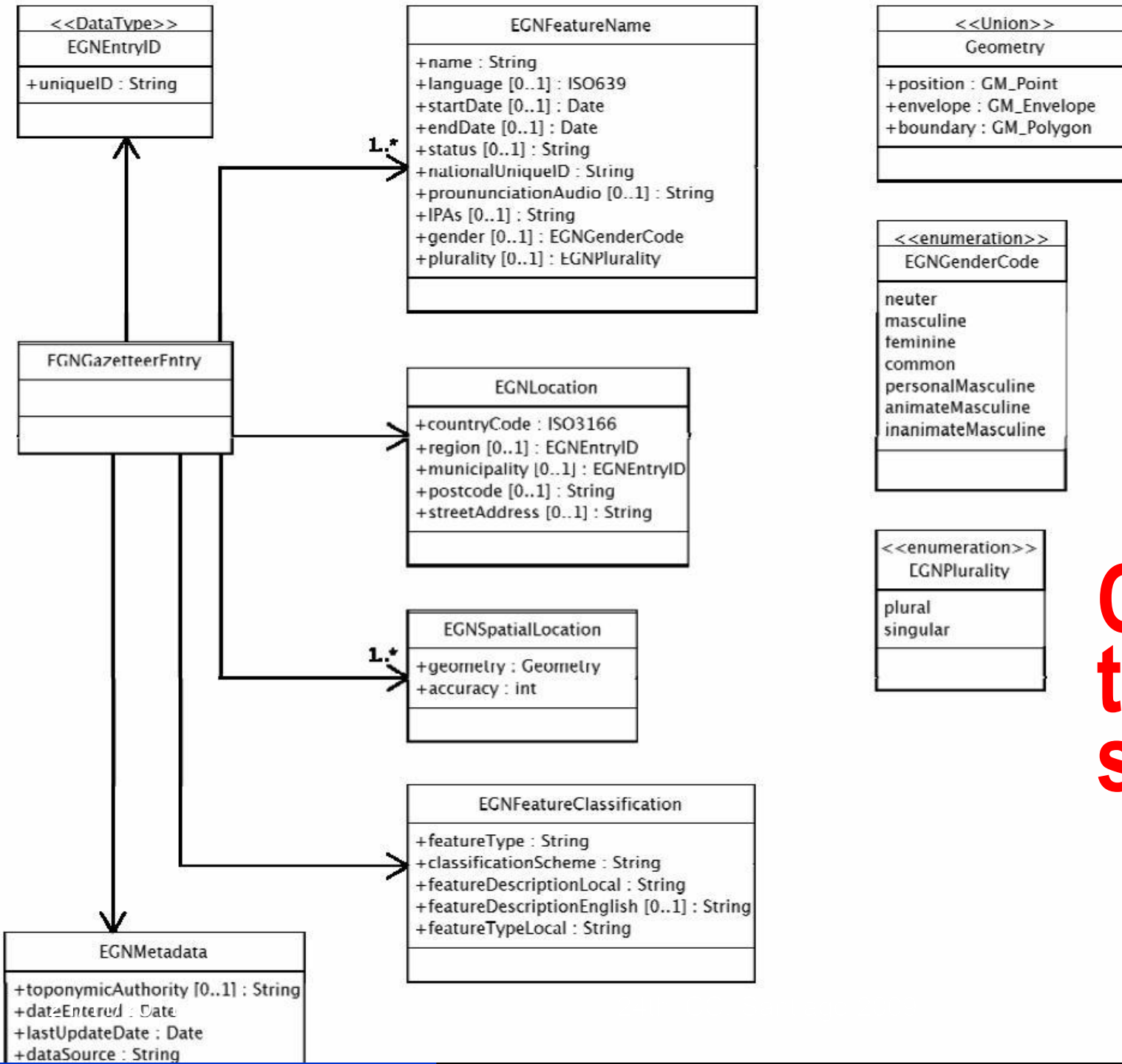
no suitable hotel

enlarge area



EGN names information model

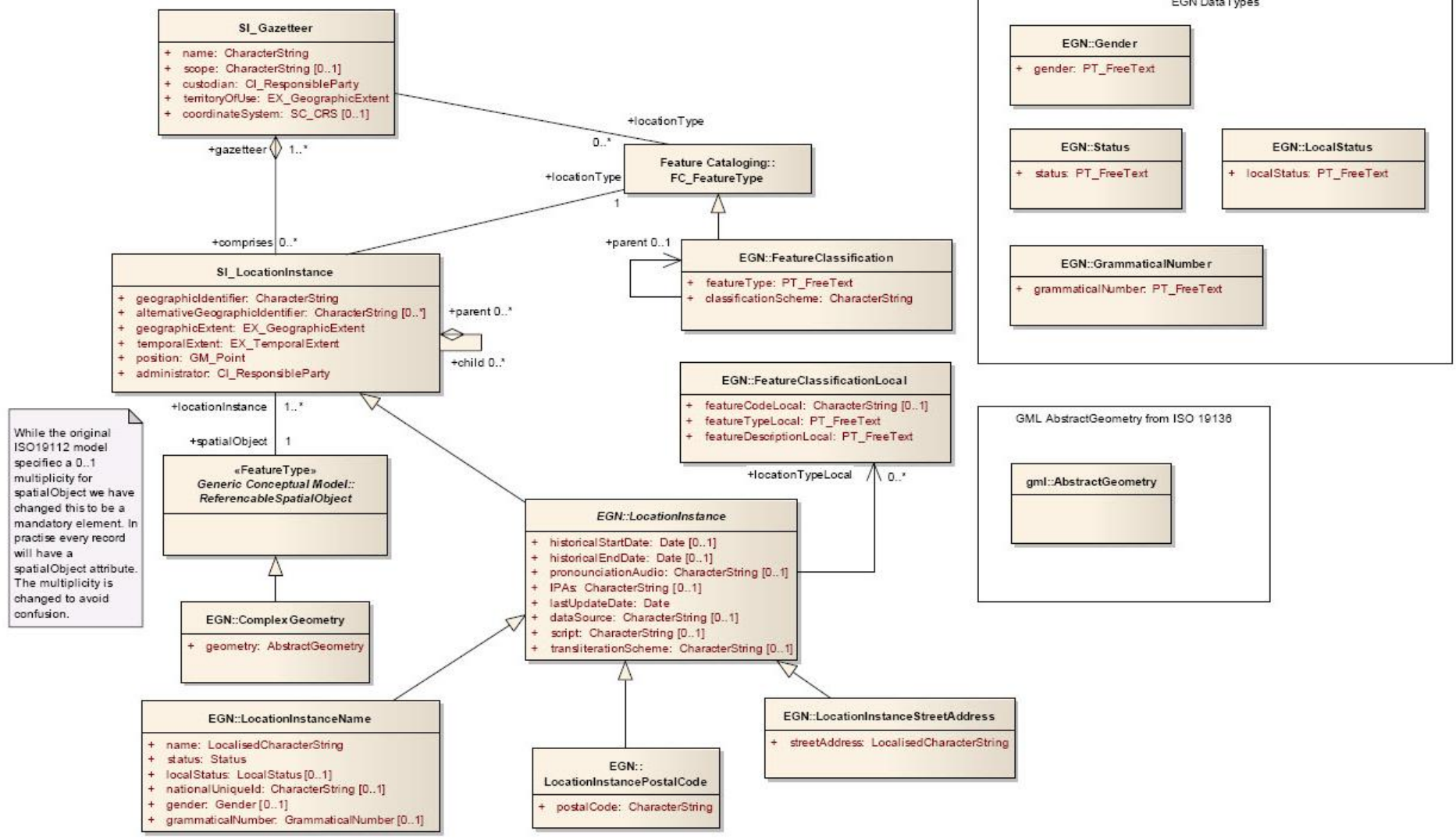




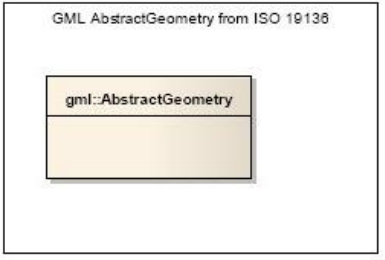
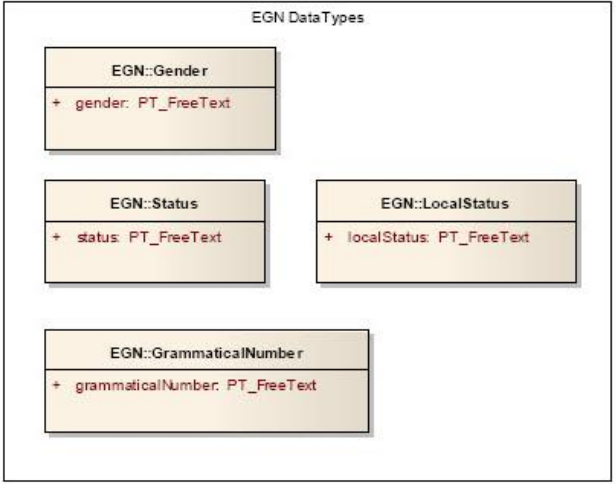
Conceptual scheme

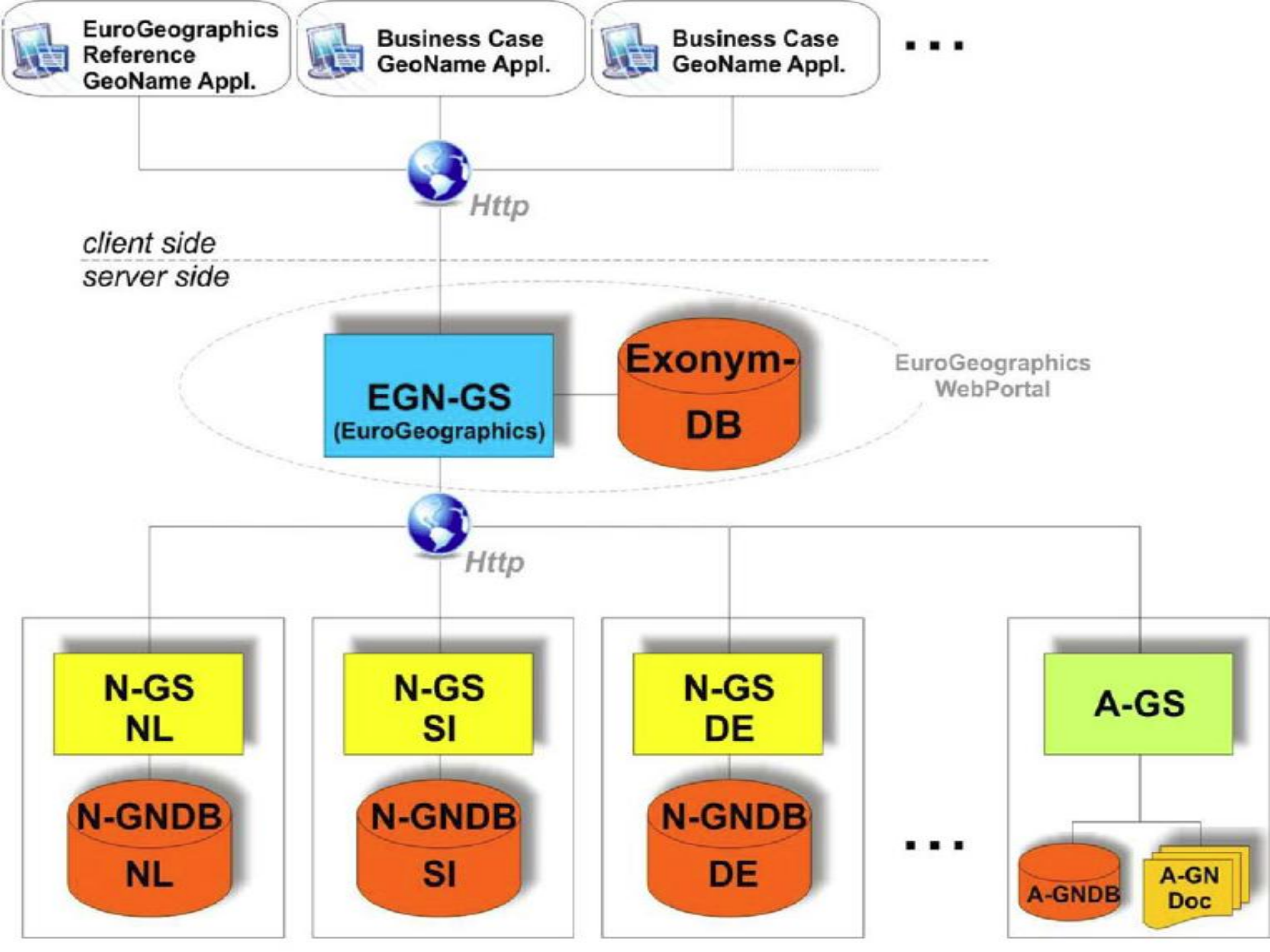
Data model

class ISO



While the original ISO19112 model specified a 0..1 multiplicity for spatialObject we have changed this to be a mandatory element. In practise every record will have a spatialObject attribute. The multiplicity is changed to avoid confusion.





Projects

Project & Product Teams

EuroSpec

EuroRoadS

RISE

Pricing & Licensing

EuroMapFinder - Metadata

EuroRegionalMap

EuroGlobalMap

★ Product and service development

★ EuroGeoNames

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State Boundaries of Europe

Archived Projects

EuroBoundaryMap

Interprojects

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Available documents:

- [Final report of the Survey/Inventory on European Geographical Names data \(SI-EGN\)](#), edited by Utrecht University (UU) and the Federal Agency for Cartography and Geodesy (BKG) in September 2005. Contributions were made by the Austrian Bundesamt für Eich- und Vermessungswesen (BEV) and the Surveying and Mapping Authority of Slovenia. (1,35 Mb pdf-file)
- [EuroGeoNames description narrative](#). (33 Kb pdf-file)
- [Presentation](#) on the concept of the EuroGeoNames project. (1,75 Mb pdf-file)
- Pattern '[Declaration of Participation](#)'. (24 Kb doc-file)
- Pattern '[Letter of Support](#)'. (22 Kb doc-file)
- Definition of the term '[single inquiry](#)'. (25 Kb pdf-file)
- Proposal of '[EGN feature classification](#)' (Version3). (82 Kb pdf-file)
- 'EGN compliance tester' (Version 1; first read 'egnwfcheck.txt'). (7 Kb zip-archive)
- Living document '[D11.1: Issues for implementing the EGN infrastructure](#)'. (492 Kb pdf-file)

Deliverable	Title	Submitted to EC	Size
D12.2	EuroGeoNames multimedia presentation	30/11/06	10,4 Mb
D12.5	EGN Flyer	30/11/06	1,44 Mb
D4.1	European Data Models Documentation	28/02/07	1,7 Mb
D10.1	Cost/Benefit Analysis	28/02/07	172 Kb
D12.4	Online-user forum	28/02/07	47 Kb
D2.1	Final report on user/business requirements	31/05/07	2,83 Mb
D5.1	Exonyms guidelines synopsis	31/05/07	423 Kb

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The 3D-world is depicted in various ...

All of the 31 reports for EGN can be downloaded from the Euro-GeoGraphics website



Summary of Benefits

- **Accessibility** of geographical names (GN) and their related toponymic attributes (exonyms, language, scripts/diacritics etc.),
 - **Continuous updating** by the EU countries themselves, i.e. no secondary data sets,
 - **Endonym** as the primary entry,
 - Considering of approved **minority language names**,
 - **Providing first hand official names**
 - Bringing in the **knowledge of GN experts** and **consolidating existing networks** (Inspire, EuroGeographics, UNGEGN, etc.).
- ⇒ Stimulating cooperation and a better integration of geographical names in a European SDI

EuroGeoNames

- Connected Reference Group members in October 2009
- To be (re)connected until end 2009
- Reference Group members already involved
- Not yet involved

