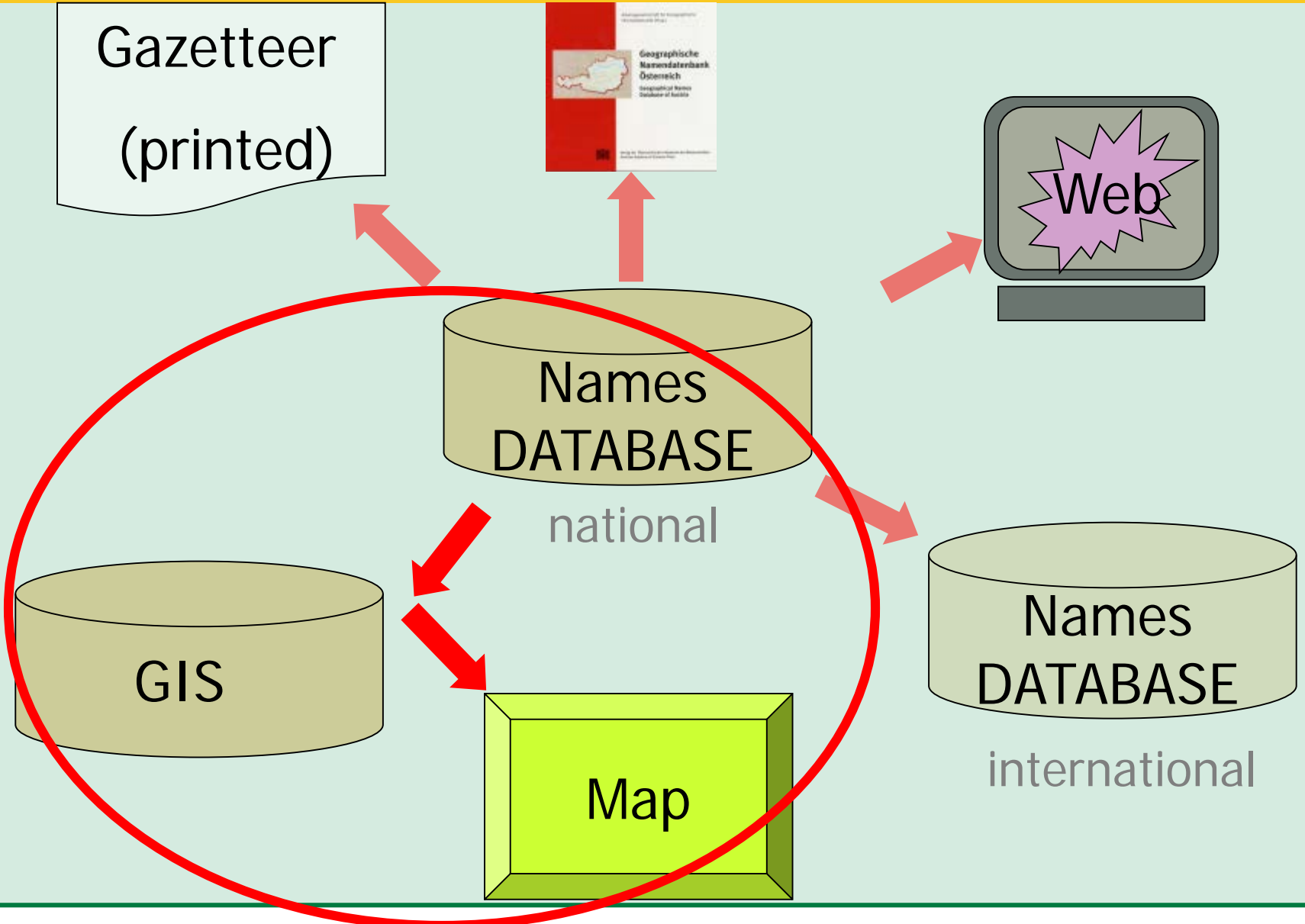


Session 4 – Outreach:

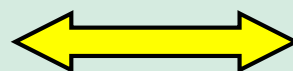
Distribution of standardized names

**Pier-Giorgio Zaccheddu,
Germany**





Reality



Model



- **Where am I?**
- **Where do I find...?**
- **Where is the next...?**
- **How do I get to...?**
- **How far is it to...?**
- **Where does this way lead to?**

Data models

↓ *consist of*

feature definitions + relations

↓ *including*

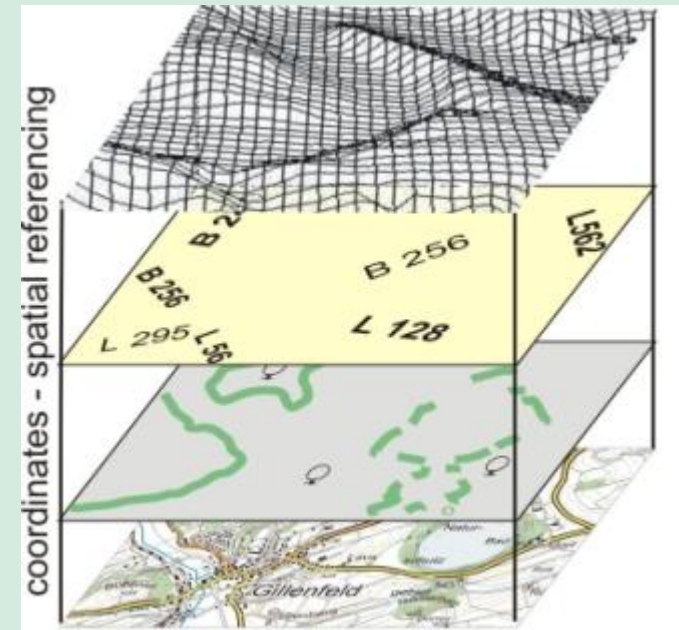
spatial reference to points,
locations, areas or regions as
specific feature

- ***necessary information is called geo(graphic) information***
- ***80% of all information is estimated to be spatially referenced***

a GIS is an organized collection of computer hardware, software, (geographic) data and personnel.

→ designed to *capture, store, update, manipulate, analyse* and *display* all forms of geo referenced information.

(see www.GIS.com)



Geo(graphic) information:

Information that is referenced to the earth's surface, whether by coordinates (direct referencing) or by identifiers such as addresses or postal codes (indirect referencing).

Geo(graphic) data / spatial data:

Computer-readable geo information

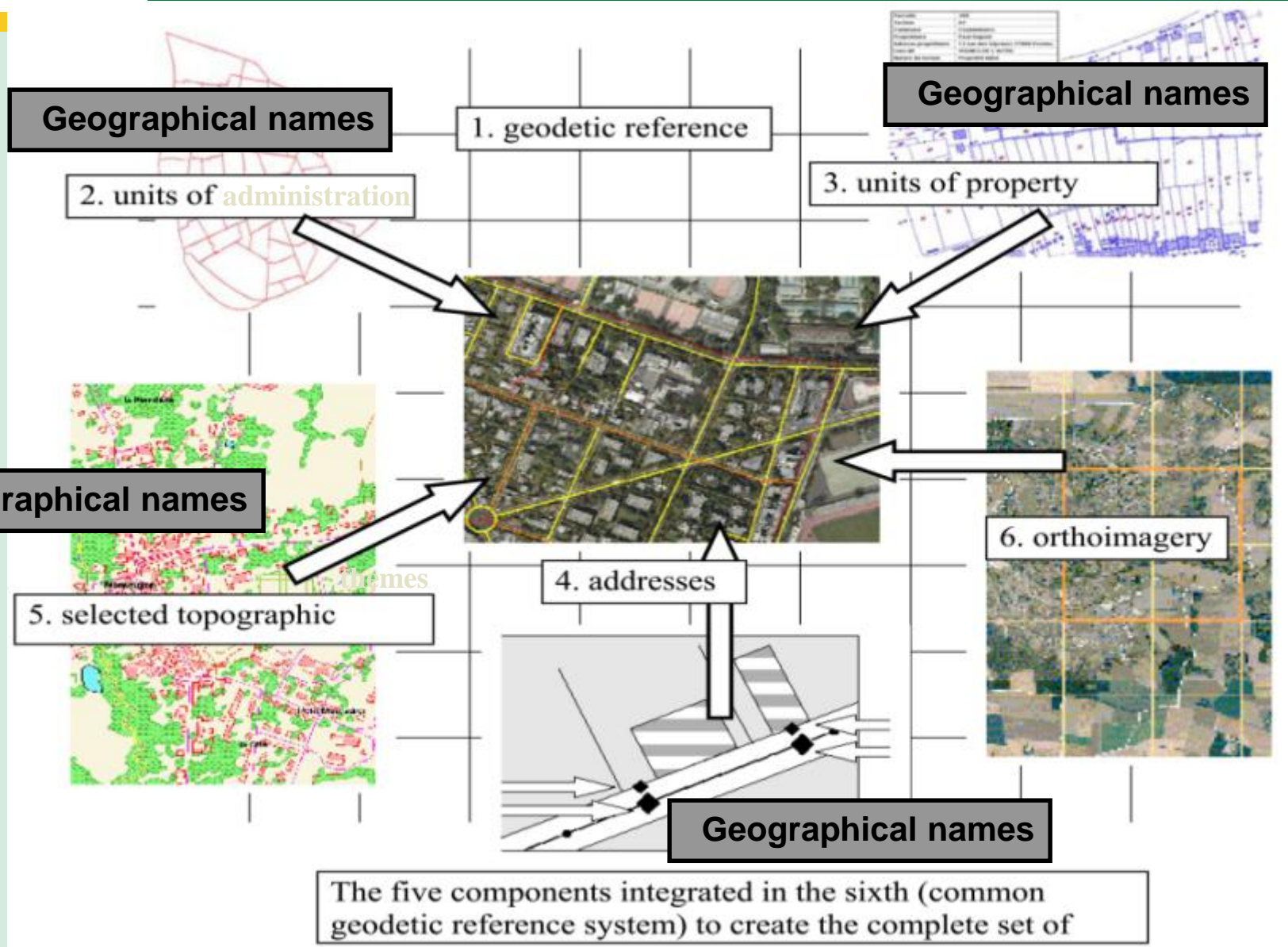
Vector data model
(feature data)

points, lines and
polygons (areas)

Raster data model
(coverage data)

gridded data (scanned maps,
satellite images, orthophotos)

Reference data – the core of geographic data



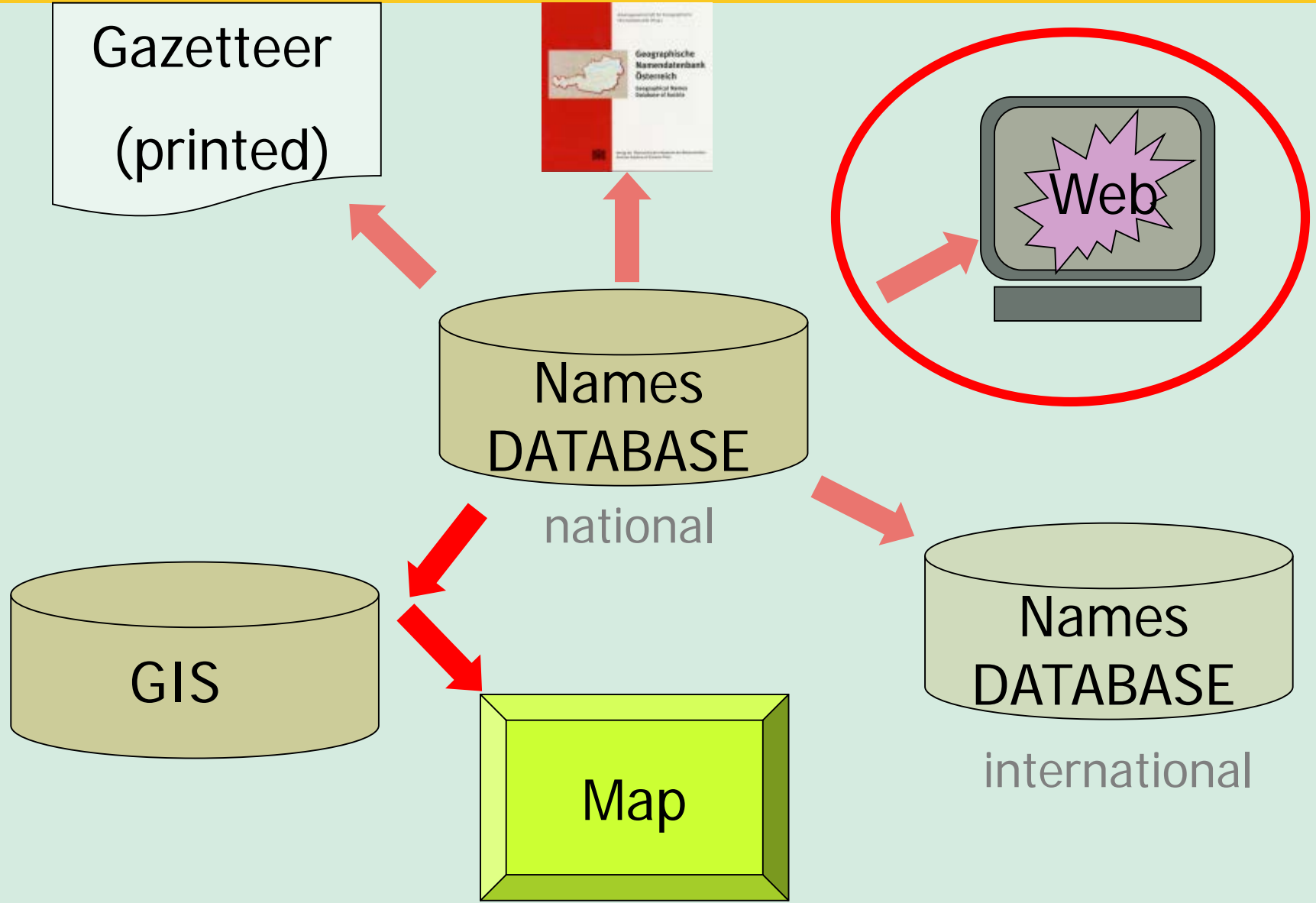
In the year 2000 in Germany

- 360 billion kilometres of service
- 30% without load

GPS technology + support of
GISystems

⇒ services can be made more
flexible and efficient for freight
suppliers and haulers





Vivium International Property Listings

Real Estate Rentals List Your Property

Enter Listing ID or Location:

Vivium -> Real Estate -> Western Europe -> Villas

Location: Andorra - Austria - Belgium - Cyprus - Denmark - Finland - France - Germany - Greece - Greenland - Iceland - Ireland - Italy - Liechtenstein - Luxembourg - Malta - Monaco - Netherlands - Norway - Portugal - San Marino - Spain - Sweden - Switzerland - UK - Vatican City - All Locations for Villas - [List Your Property !!](#)

Also See: Single Family Homes - Mansions - Townhouses - Duplexes - Triplexes - Bungalows - Timeshares

Villas For Sale in Western Europe - Available Properties

Showing 1 - 10 of 253 listings (Page 1 of 26)

Villa For Sale in Lucca, Tuscany Italy - Pozzuolo 1,150,000 €

Private and secluded farm house in a beauty spot close to the charming walled city of Lucca. The original stone built house nestles in 3 hectares of land with a planting of chestnut (the house used to be a chestnut farm) and a swimming pool. Perfect for ...

Holiday Villa For Sale in Tuscany, Italy 1,110,000 €

Casa Migliano - 5000 sqm. Migliano set in a little town in the valley and the sea. The house is fully restored and used as a sleepy hamlet 20 km from the sea.

Villa For Sale in Limassol, Cyprus

The Most Exclusive Villa built utilizing the best materials. Delivery time attested. This villa has been delivered partially furnished.

Village House For Sale in Olympia Raches Olympias

Village House For Sale in Olympia with 500 civilians, recently renovated but needs further renovation. Mountain view from the front side, sea view from the back side. 2 balconies and garden. A 3-level house that can easily ...

Location based information on *Pozzuolo, Toscana (IT)* and its pronunciation, possibly directly from the Italian data repository!

International purchase of properties with Internet property services

⇒ Geographical names databases or web services can provide additional location based information

The screenshot shows the einnews.com website. The header includes the logo and navigation links: SIGN UP FOR THIS NEWSLETTER, MANAGE NEWSLETTERS, MAKE A NEW NEWSLETTER, SEND PAGE TO A FRIEND, and BOOKMARK THIS PAGE. The main content area is titled "Central Europe Online" and features a dropdown menu for "All Central Europe Newsfeeds". Several news articles are listed, with the first one highlighted in yellow: "MACEDONIA: Sasa Lead and Zinc Mine Most Likely to Be Offered at New Tender". A yellow callout box points to this article with the text: "GN web service integrated in a news portal as additional functionality e.g. search for 'Macedonia'".

Provision of European news

⇒ GN databases or web services can provide additional location based information

GN web service integrated in a news portal as additional functionality
e.g. search for "Macedonia"



Google Earth Application

⇒ GN database or web service could provide additional location based information

GN web service/database integrated in the Google Earth portal as additional functionality

e.g. provision of the variant names related to Milano

