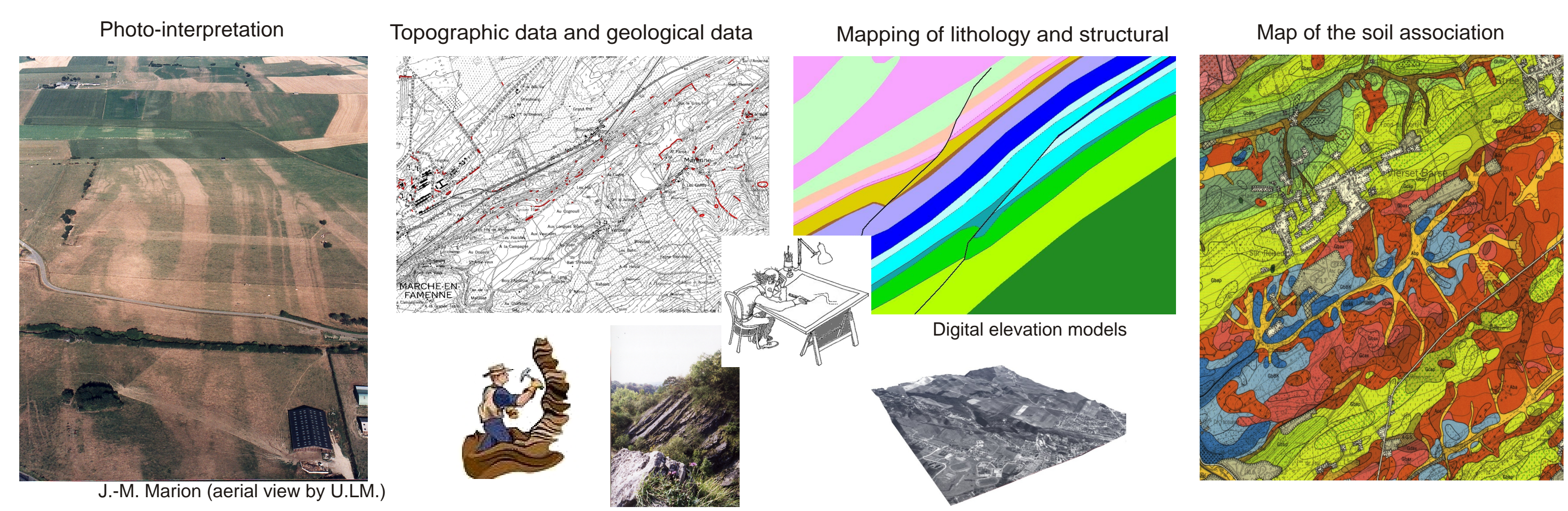
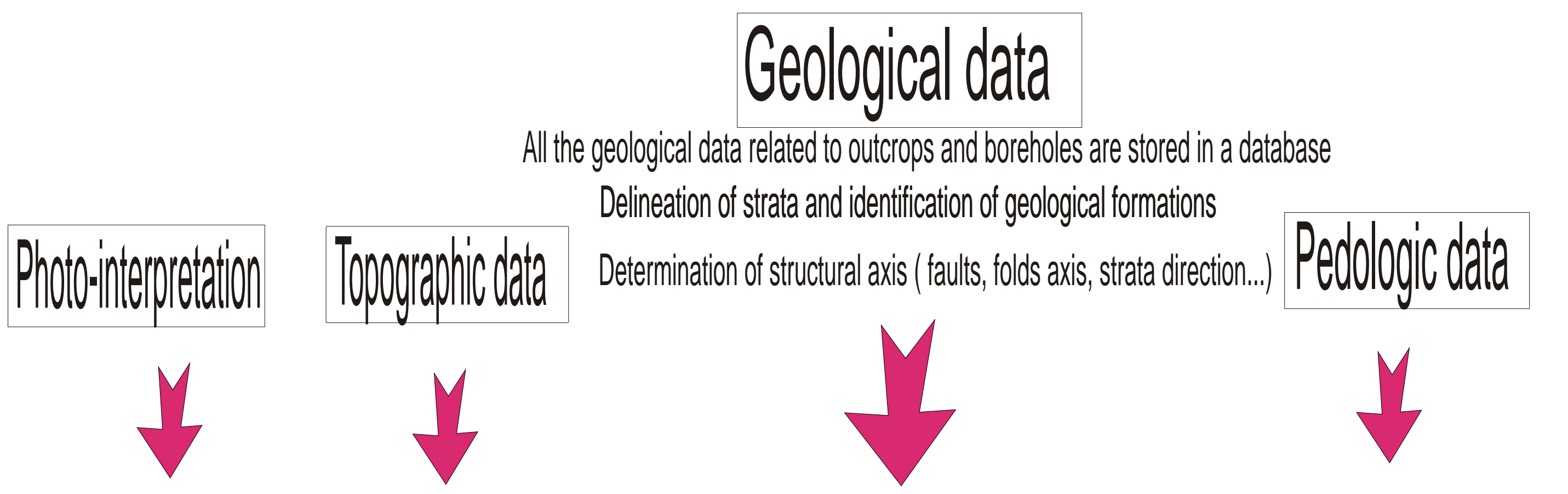
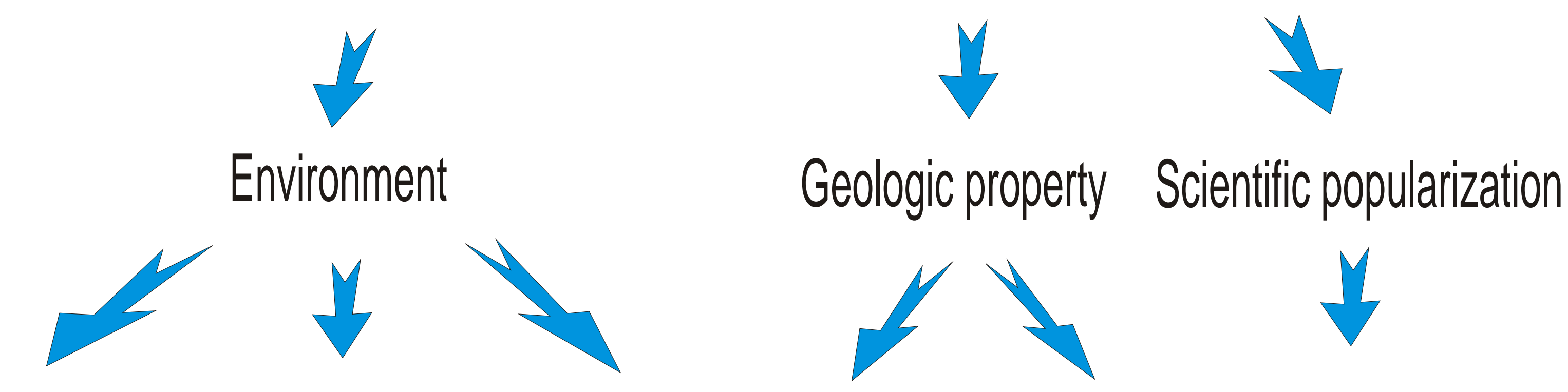


# The new digitized geological map of Wallonia and its applications



## New geological map

## Its multipurpose uses



**New Geological map of Wallonia**

**Lithology**  
Lithologie - carte Aps - Marches - Province 507-8

|     |  |
|-----|--|
| X   | Massifs cristallins  |
| AM0 | Massifs métamorphiques de la région de Namur                 |
| ALA | Massifs des Ardennes (massifs à gabbro et gabbroites)        |
| CEB | Grès de Crèpe, Malmes, Liège, grès de Liège et grès de Namur |
| STP | Grès de Namur (grès de Namur et grès de Liège)               |
| ESS | Grès de Liège  |
| AYE | Grès de Liège (grès de Liège et grès de Namur)               |
| FAM | Grès de Liège (grès de Liège et grès de Namur)               |
| BAR | Grès de Liège (grès de Liège et grès de Namur)               |
| VAL | Grès de Liège (grès de Liège et grès de Namur)               |
| NEU | Grès de Liège (grès de Liège et grès de Namur)               |

**Lithostratigraphic log**

| Stratigraphic Unit | Formation   | Members | Lithologies |
|--------------------|-------------|---------|-------------|
| Devonien           | Devonien    |         |             |
| Carbonifère        | Carbonifère |         |             |
| Permien            | Permien     |         |             |
| Trias              | Trias       |         |             |
| Jurassique         | Jurassique  |         |             |
| Craie              | Craie       |         |             |
| Paléogène          | Paléogène   |         |             |
| Quaternaire        | Quaternaire |         |             |

**Hydrogeologic diagram**  
**Structural diagram**

**Mapping of natural resources**  
Water resources (hydrogeology)  
Mineral resources

**Mapping of natural risk**  
Subsidence risk  
Landslides  
Karstic areas

**Mapping of polluted sites**  
Inventory of landfill sites  
Rubbish tip  
Embankment, Rubble  
Radon concentration

**Civil engineering (Construction)**  
Road tunnel  
Rail Project (TGV)

**Research**  
Several new projects  
hydrogeologic map...

**Geological heritage**  
- education and divulgation of geology  
- geological patrimony

**Country planning Map**

**Map of natural risks (karstic area)**

**Route of TGV Tunnel on the geological map**

**View of the front (TGV Tunnel)**

**Schematic view of the TGV Tunnel**

**Geological itinerary**

**Mapping of limestone**

**Mapping of natural resources (carrying map)**

**Possible carrying map**  
**Country planning map**  
**Potential deposit**  
**Geological map**

**Zones d'extraction possible**  
**Plan de zonage**  
**Zones exploitables (calcaires des formations de Nette-Lives)**

M. Laloux

Mapping and digital information systems  
Delimitation of protection areas for a judicious utilisation of territory

**Objectives:** understanding of geological phenomena, development of new methodologies and techniques, to produce and disseminate pertinent, high-quality data and to provide the necessary tools for public authorities:

- Surface, subsurface and natural-ressource management
- Preventing natural risks and pollution
- Regional planning and development