



Chauvelicystis spinosa Ubaghs, 1969

UMAC
University Museums
And Collections

Museums and Universal Heritage
Universities in Transition - Responsibilities for Heritage
UMAC's 7th International Conference

ICOM
2007
VIENNA

Wednesday, 22 August 2007
Experiences Around the World

Trans'Tyfipal® : deployment of palaeontological databased

Jérôme Thomas⁽¹⁾, Sophie Montuire⁽²⁾ and Alain Festeau⁽¹⁾

¹ Université de Bourgogne, UMR Biogéosciences

² EPHE, UMR Biogéosciences



What's Trans'Tyfipal® ?

Trans'Tyfipal® is the national database of all palaeontological “Types and illustrated specimens” housed in French collections.

The laboratory “Biogéosciences” from the University of Burgundy (Dijon, France) coordinates this program which associates laboratories and museums.

Trans'Tyfipal® is composed by a specific database and a web site (indexed by the UNESCO/IFLA Directory of Digitized Collections, HEREIN (European Heritage Network), Biocase (Biological Collection Access Services) and palaeontological web sites) :

<http://transtyfipal.u-bourgogne.fr>

What's “Type” ?

According to the International Code of Zoological Nomenclature, the term “ Type ” denotes a particular kind of specimen or taxon.

Glossary,
International Code of Zoological Nomenclature

“Types” are the international standards of reference that provide objectivity in zoological nomenclature.

Article 72.10 Value of name-bearing types,
International Code of Zoological Nomenclature

Where deposit “Types” ?

Every new “Types” will be deposited in a collection and a statement indicates the name and location of that collection.

Article 16.4 Fixation of name-bearing types to be explicit
International Code of Zoological Nomenclature

Recognizing that “Types” are international standards of reference, authors should deposit “Types” specimens in an institution that maintains a research collection, with proper facilities for preserving them and making them accessible for study.

Recommandation 16.C Preservation and deposition of type specimens,
International Code of Zoological Nomenclature

Why inventory “Types” ?

Every institution in which “Types” are deposited should :

- publish list of “Types” in its possession or custody
- so far as possible, communicate information concerning “Types” when requested.

Recommandations 72.F 4 and 5 Institutional responsibility,
International Code of Zoological Nomenclature

“Types” are to be held in trust for science by the persons responsible for their safe keeping.

Article 72.10 Value of name-bearing types,
International Code of Zoological Nomenclature

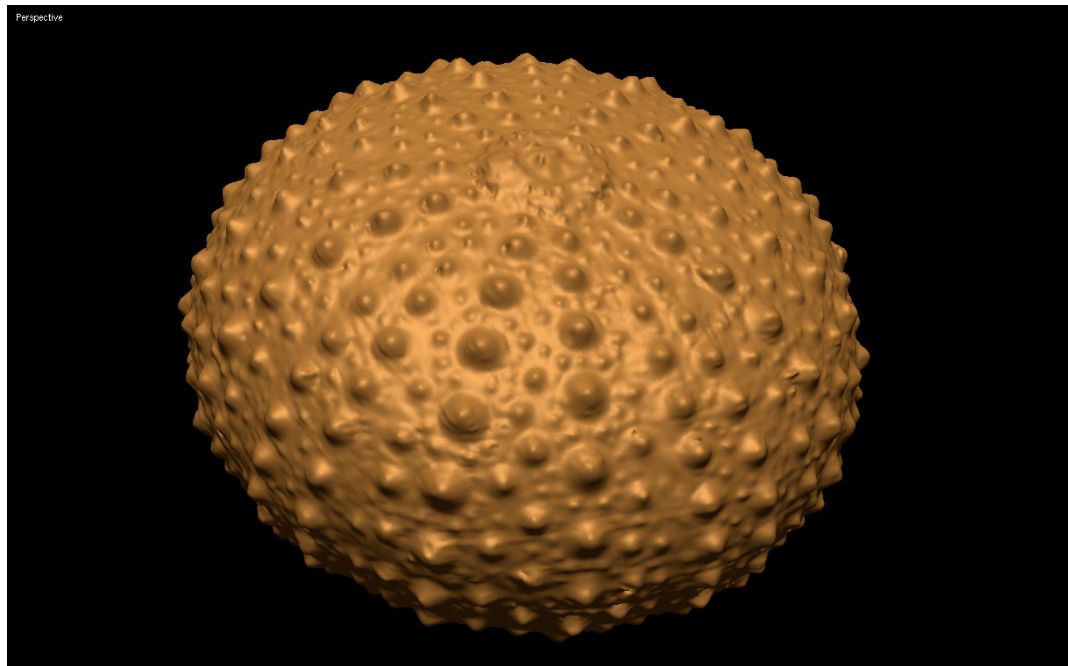
Trans'Tyfipal® has four missions :

To help research on biodiversity and on applied physics (3D systems)

To archive the palaeontological heritage housed in France

To increase the value of this heritage with the web site
<http://transtyfipal.u-bourgogne.fr>.

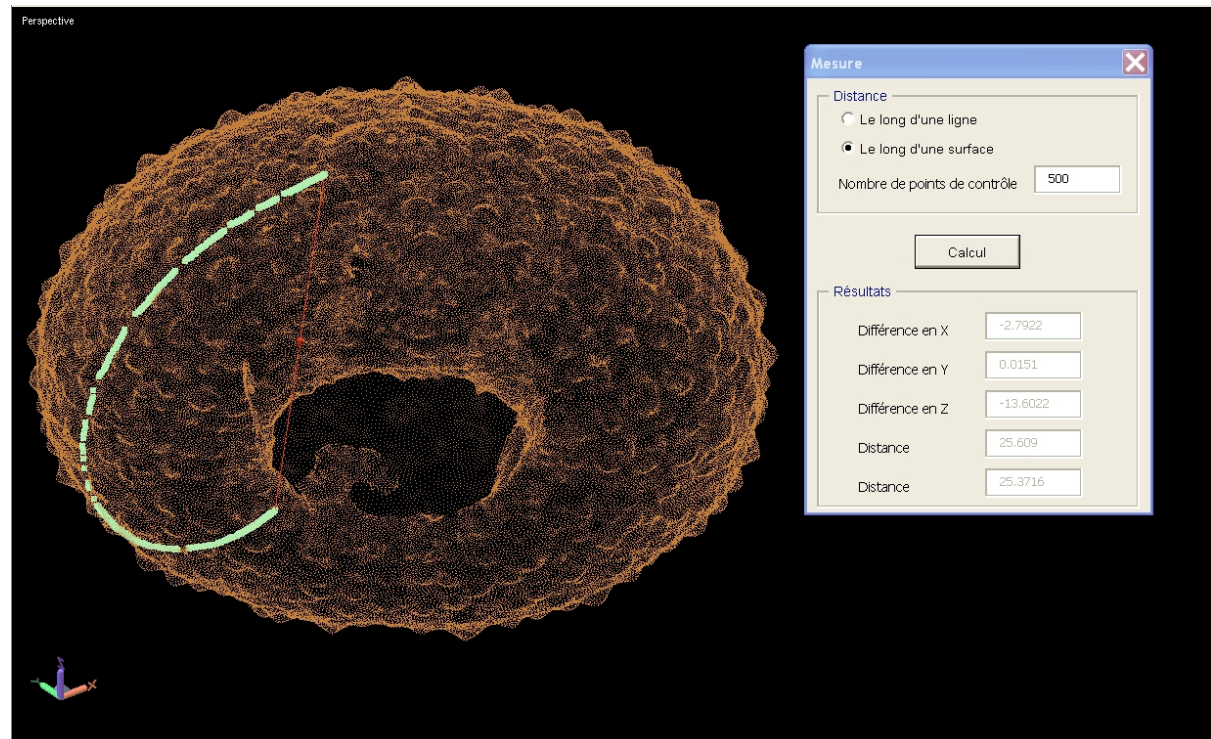
To teach curation and database management within the teaching program of the “Ecole Pratique des Hautes Etudes” and the “Centre National de la Recherche Scientifique”



Trans'Tyfpal®

Laboratory of Electronics,
Computer Science and Image
University of Burgundy

BIOGÉOSCIENCES



Trans'Tyfipal® has four missions :

To help research on biodiversity and on applied physics (3D systems)

To archive the palaeontological heritage housed in France

To increase the value of this heritage with the web site
<http://transtyfipal.u-bourgogne.fr>.

To teach curation and database management within the teaching program of the “Ecole Pratique des Hautes Etudes”(EPHE) and the “Centre National de la Recherche Scientifique”(CNRS)

Database

Comments/diagnosis

Pictures

Inventory / Loan

Bibliography

Geography

Stratigraphy

Systematics

Data entry help



Thesaurus

The image displays a series of overlapping database entry forms for Trans'Tyfpal. The forms are organized into tabs: Systématique, Géographie, Stratigraphie, Bibliographie, Rangement / Prêt, Images, Commentaires / Diagnose. The forms contain various fields for data entry, including:




- Comments/diagnosis:** A text area for comments and a section for diagnosis.
- Pictures:** A section for uploading or viewing images, with a small image placeholder visible.
- Inventory / Loan:** Fields for 'Num. d'inventaire' (FSL 168718) and 'Collection' (LIGNIÈRES).
- Bibliography:** Fields for 'Auteur(s)' (UBAGHS G.) and 'Année' (1969).
- Geography:** Fields for 'Continent / Océan' and 'Pays' (FRANCE).
- Stratigraphy:** Fields for 'Ere' (PALEOZOIQUE) and 'Système' (ORDOVICIEN).
- Systematics:** A hierarchical list of taxonomic ranks: Embranchement (ECHINODERMATA), Sous-Embranchement, Classe (STYLOPHORA), Sous-Classe, Ordre (CORNUTA), Sous-Ordre, Super-Famille, Famille (COTHURNOCYSTIDAE), Sous-Famille, Tribu, Genre (CHA), Sous-Genre, Espèce (SPINDSA), and Sous-Espèce.

A 'Thesaurus' window is open over the Systematics section, displaying a list of terms: CHAENOGALEUS, CHAETOPOTAMUS, CHAETETES, CHAETETOPSIS, CHAETODON, CHALMASIA, CHAMA, CHAMBIUS, CHAMISHAELLA, CHAMOUSSETIA, CHANGARNIERA, CHAPMANICYTHEREIS, CHARCHARDON, CHARENTIA, CHARMASSEICERAS, CHARDONIA, CHARTRONELLA, CHASTROTHERIUM, CHATANGIELLA, and CHAUVELICYSTIS. A red arrow points from the 'Thesaurus' label to this window.



Web site

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE




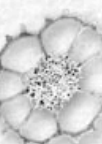







Last modified : 24 Jul 2004



TRANS'TYFIPAL®  

Trans'Tyfpal est une base de données, en constante évolution, destinée à répertorier tous les **TYpes** et **FIGurés** de **PALéontologie** conservés dans les différents établissements français. Ces fossiles - macrofossiles et microfossiles - sont les références universelles et officielles que tout paléontologue se doit de consulter avant toute publication. Cette base de données associe les laboratoires de Paléontologie des universités de Dijon, Lille, Lyon, Rennes, le laboratoire de Géologie du Museum National d'Histoire Naturelle de Paris et l'Association Géologique Aubeoise (Troyes).

Trans'Tyfpal is a versatile and open database on the **TYpes** and **FIGurated** specimens of **PALeontology** housed in the different paleontological French collections. These specimens - macrofossils and microfossils - are the official and universal references that any paleontologist has to refer before any publication of a paper. This national database associates the laboratories of Paleontology of Dijon, Lille, Lyon, Rennes, the laboratory of Geology of the Museum National d'Histoire Naturelle de Paris (M.N.H.N.) and the Association Géologique Aubeoise (Troyes).






TRANS'ARCHÉO  

Trans'Archéo se place dans la continuité des recherches en cours sur les âges du Bronze et du Fer en Europe occidentale (VIIIe - Ier siècle av. J.-C.). La richesse des collections muséographiques régionales, placent la Bourgogne parmi les régions les plus riches en matériel archéologique de l'Europe occidentale. Elle possède l'une des collections les plus abondantes d'ensembles funéraires, notamment du premier âge du Fer. Cet abondant mobilier est réparti dans plusieurs musées régionaux (Dijon, Châtillon-sur-Seine, Beaune, Sens, Auxerre) et le Musée des Antiquités Nationales de Saint-Germain-en-Laye.

Trans'Archeo situates itself in the wake of the research going on about the Bronze and the Iron Ages in occidental Europe (8th till 1st century BC). The wealth of the regional museum collections sets the Burgundy area at first for the archeological material among the richest countries of Western Europe.

Burgundy owns one of the most plentiful collections of funerary units, specially from the first Iron Age. This copious furniture is distributed among several regional museums (Dijon, Châtillon-sur-Seine, Beaune, Sens, Auxerre) and the National Antiquities Museum of Saint-Germain-en-Laye.



TRANS'HERBOTA  

Trans'Herbota répertorie les espèces de plantes vasculaires de Bourgogne en s'appuyant sur la "Nouvelle Flore de Bourgogne" (Tome 1) de F. Bugnon et al (1996). Des images des plantes *in situ* complètent celles de l'Herbier Régional de Bourgogne. Pour chaque espèce, outre la systématique, sont accessibles des indications sur la biologie, l'écologie et la phytosociologie, les propriétés médicinales et la toxicité éventuelles, le degré de rareté en Bourgogne et le statut de protection.

Trans'Herbota is a database on all species of vascular plants found in Burgundy according the "Nouvelle Flore de Bourgogne" (Tome 1) written by F. Bugnon et al (1996). For each species, there are data on systematics, biology, ecology and phytosociology, possible medicinal properties and toxicity, the degree of rarity in Burgundy and the possible protective measures. Illustrations associate images of *in situ* plants and pictures from the Regional Herbarium of Burgundy.

Help
About
Trans'Archéo
Trans'Herbota
Trans'Tyfipal
International
Stratigraphic
Chart

The connection "Non authorized people" doesn't give access to the all geographic data. **OK**

The connection "Authorized people" is possible with a login and a password, and every information is available

Login :

Password : **OK**

Do you want to be on authorized searcher ? Clicking on "OK" **OK**

Two levels of interrogation of the database :


- Researchers (with login and password), you have all the data,
- Non researchers : you have not the geographic and bibliographic data, to protect the open cut locality.

<http://transtyfipal.u-bourgogne.fr>

[Help](#)
[About](#)
[Trans'Archéo](#)
[Trans'Herbota](#)
[Trans Tyfpal](#)
[International Stratigraphic Chart](#)

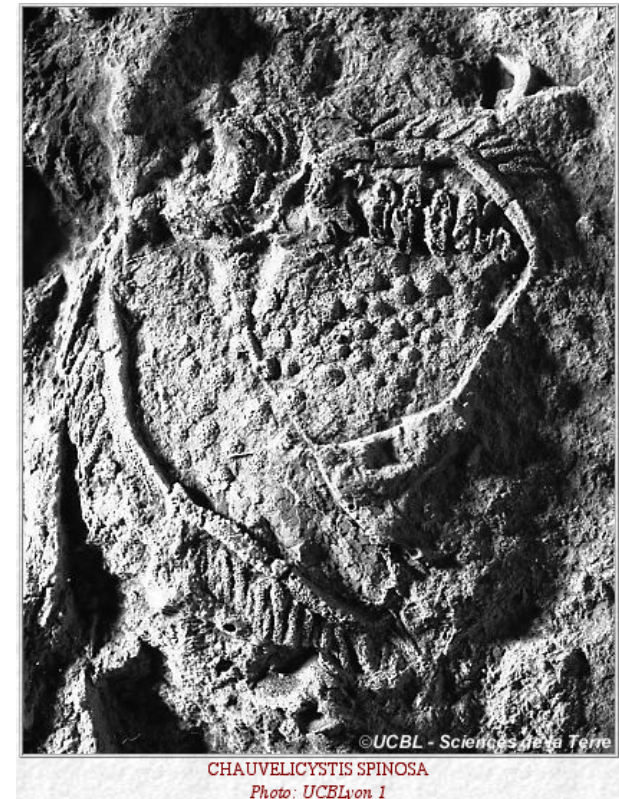
Informations on the fossil number: 1961

To see a picture, click on the miniature picture or on its labelling.

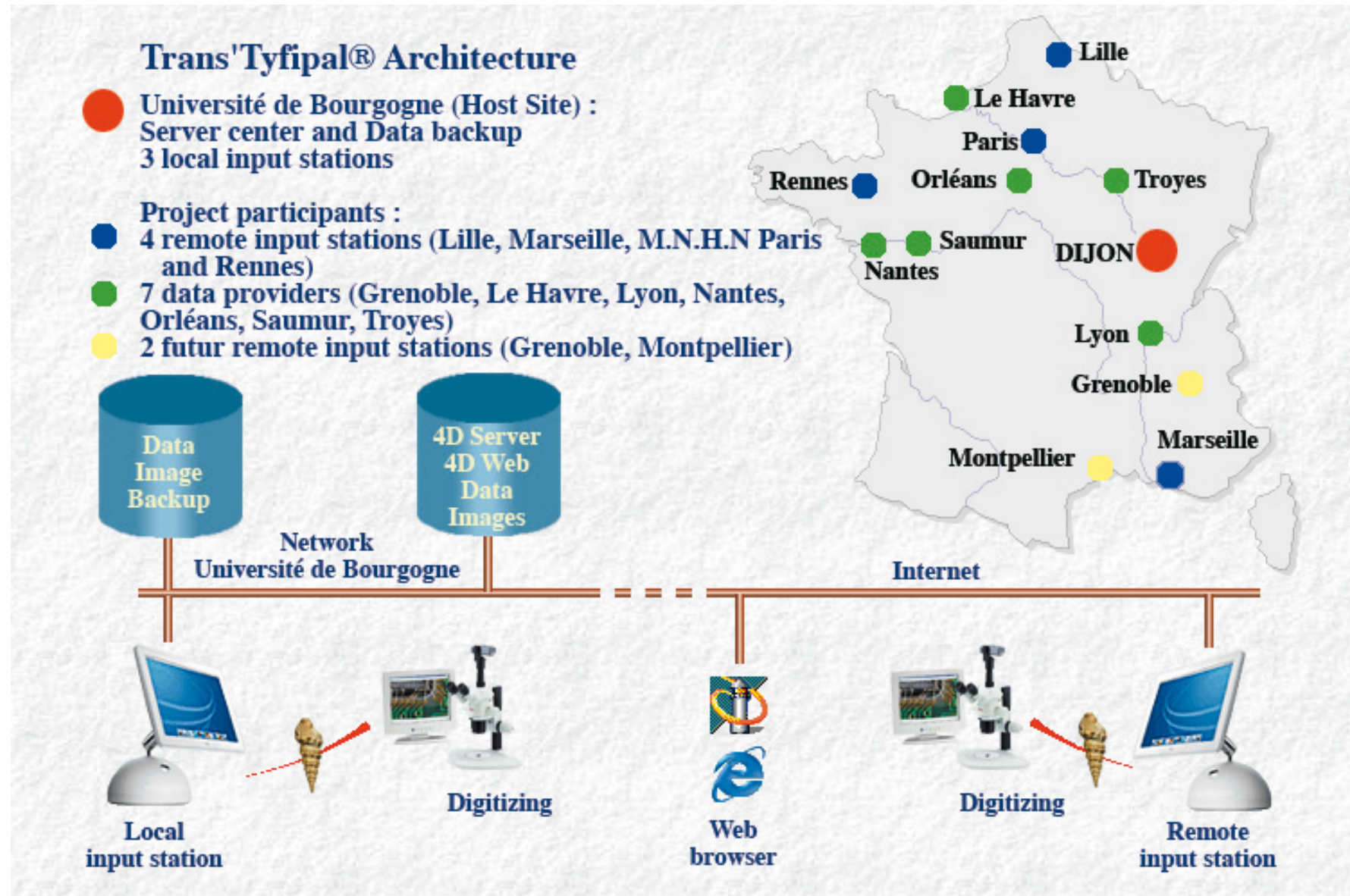


100 Ko
[P7_12657.jpg](#)

| | |
|---|---|
| Systematics Back to the list | |
| Phylum: | ECHINODERMATA |
| Sub-phylum: | |
| Class: | STYLOPHORA |
| Sub-class: | |
| Order: | CORNUTA |
| Sub-order: | |
| Super-family: | |
| Family: | COTHURNOCYSTIDAE |
| Sub-family: | |
| Tribe: | |
| Genus: | CHAUVELICYSTIS |
| Sub-genus: | |
| Species: | SPINOSA |
| Sub-species: | |
| Author(s): | UBAGHS |
| Year: | 1969 |
| Element: | |
| Status: | Holotype |
| Sex: | Unknown |
| Stage: | Mature |
| Geography Back to the list | |
| Continent / Ocean: | |
| Country: | FRANCE |
| Geographical are: | |
| Administrative area: | |
| Stratigraphy Back to the list | |
| Era: | PALÉOZOÏQUE |
| Period: | ORDOVICIEN |
| Sub-period: | ORDOVICIEN INFÉRIEUR |
| Super-stage: | |
| Stage: | ARÉNIGIEN INFÉRIEUR |
| Sub-stage: | |
| Zone: | |
| Sub-zone: | |
| Horizon: | |
| Formation: | FORMATION DE SAINT CHINIAN |
| Member: | |
| Bed: | |
| Specific informations Back to the list | |
| Inventory number: | FSL 168718 |
| Collection: | LIGNIÈRES |
| Nature: | |
| State: | Complete |
| Preservation: | |
| Number of specimens: | 0 |
| Establishment keeper: | UNIVERSITE DE LYON I, CENTRE DES SCIENCES DE LA TERRE - ONCP, 43 BD DU 11 NOVEMBRE 1918, 69622 VILLEURBANNE |
| New search | |

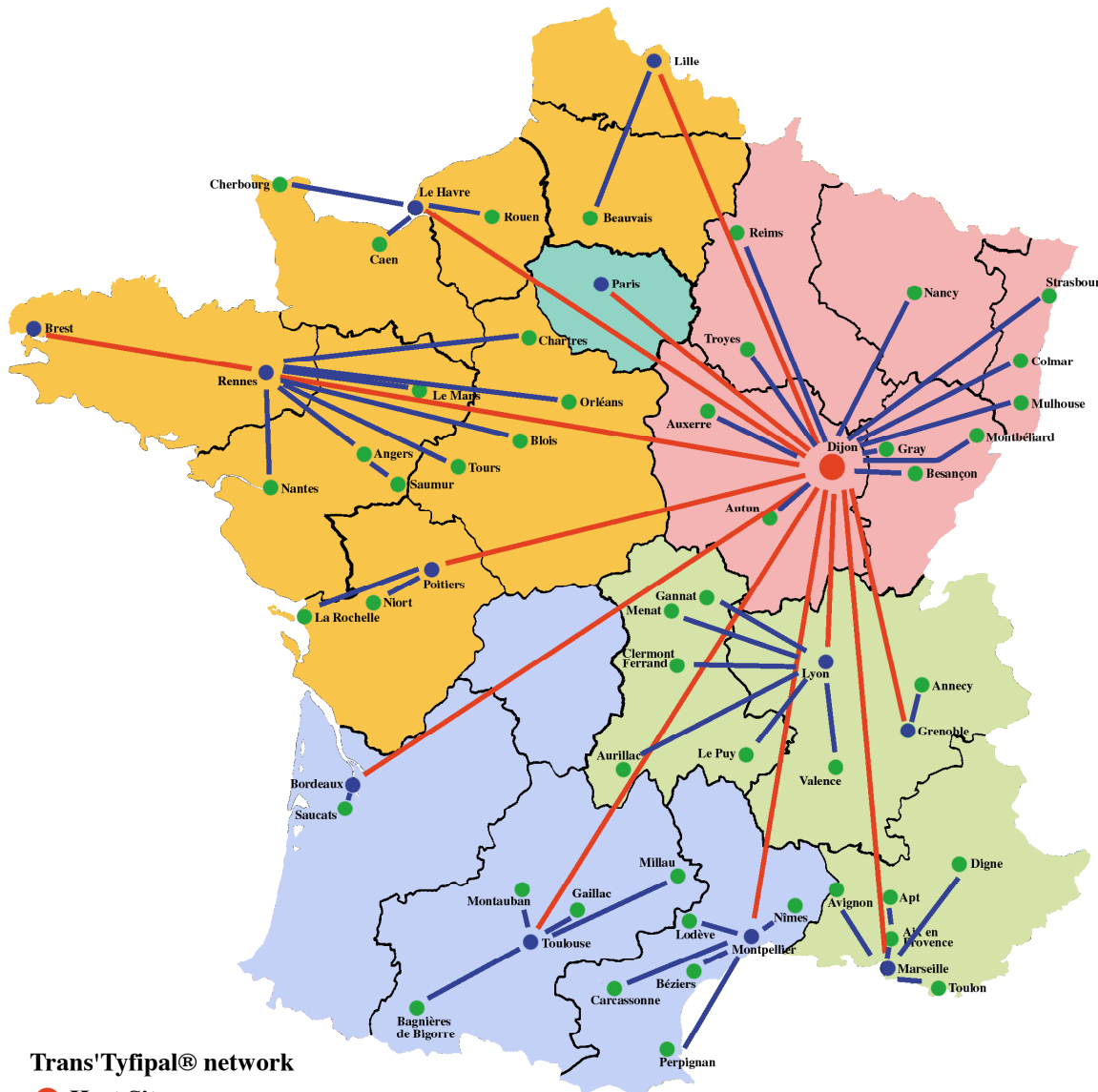


Past deployment (1994-2003)



Future deployment :
2007 - 2010

A new network of
laboratories
and
museums



Trans'Tyfipal® network

- Host Site
- Node
- Data Providers

- * The Host Site in Dijon builds the database, hosts the server and coordinates the national data entries.
- * Nodes coordinate the regional data entries.
- * Data providers coordinate the local data entries.

Why modifies the deployment ?

- To structure on different levels according to the national policy of research (National Ministry of Research) and the museums and universities policies
- To create a palaeontological researchers and curators network
- To improve the participation of all institutions in which types are deposited
- To create multi-axis of communication in the network