

The Collaviz program is an innovative multidomain remote collaborative platform for the simulation-based design applications. In partnership with 28 French and international partners, Collaviz will bring to the scientific and industrial community is to make remote analysis and collaboration easily available and scalable. Web-based technologies, on the top of shared high-performance computing and visualization centers, will permit researchers and engineers handling very large data sets, including 3D data models, by using a single workstation, wherever in the world. Just a "standard" internet connexion will be needed. Collaviz will propose a smart solution to break the bottlenecks of data volume production and processing that the industry will quickly face.

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### PROJECT PLANS & DELIVERABLES

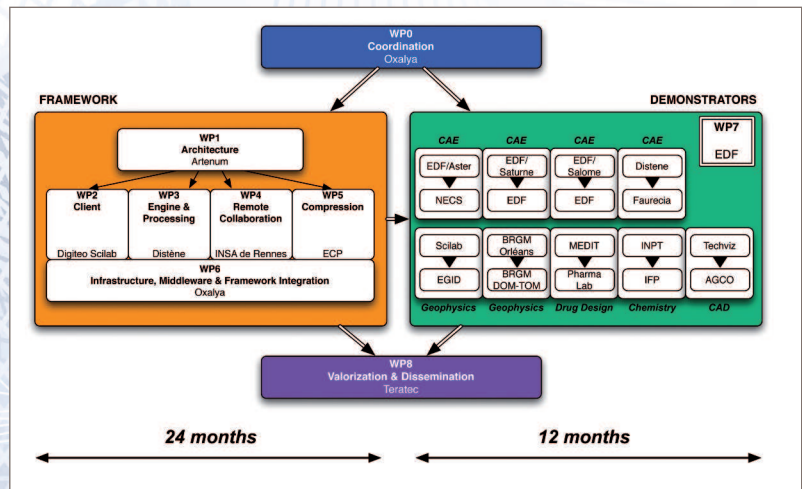
Collaviz will:

- Provide applications designed for habits of very different communities (geophysics, fluid dynamics, structure, biochemical, drug design...).
- Use mainstream technologies for the service access (low bandwidth internet access, standard hardware for visualization...),

- Deliver interactive and participative collaboration, not only remote "shared display" visualization.
- Provide the tools to manage all the services from a user and administrator point of view, to have a full transparent access to these scalable resources: visualization clusters, grid...

### MAJOR PHASES OF THE PROJECT

There are 2 different phases into the collaviz project. The first one will last 24 months. During this time the workgroups will define the framework architecture and develop 2 prototypes. One after 12 months and the iterative second one 12 months later. The second main phase will be used to set up the demonstrators as proof of concept.



### STATUTS

The Collaviz project is about to develop its first prototype of Remote Collaborative Visualization Tool

### PARTNERS

**MAJORS CORPORATIONS**

AGCO, BRGM, EDF, FAURECIA,

**SMEs**

ARTENUM, DISTENE, MCLP CONSULTING, NECS, OXALYA, TECHVIZ, TERATEC KITWARE

**ACADEMICS**

CP, EGID, INPT, INSA DE RENNES, LIRIS, INSTITUT DE PHYSIQUE DU GLOBE DE PARIS, UNIVERSITÉ PARIS 6, INSTITUT DE RECHERCHE POUR LE DÉVELOPPEMENT FROM NEW CALEDONIA, COLORADO SCHOOL OF MINES, UNIVERSITY OF CARDIFF, IFP, CEI, CEA DIF, DIGITEO SCILAB,

**Coordinator:** OXALYA

**Duration:** 36 months

**Global budget:** 2.67 M€

**Funding:** 1.40 M€ by ANR