

# Code\_Aster professional network

## why ? how ?

see Charter  
2013



### AT TEN YEARS OF OPEN SOURCE DISTRIBUTION

Since October 2001, thousands of users tested or adopted Code\_Aster Open source for their mechanical simulations - including approximately 2000 faithful which downloads the updates regularly. A community of mutual aid of almost 600 members animates a very active forum.

Code\_Aster is placed from now on among ten software of simulation in structural analysis of world notoriety and the only solution in open-source of this level.

This success was acquired in a context of auto-animation of the community, of natural diffusion of information, anonymous downloads.

The **Community Code\_Aster Open source** brings to EDF R&D of the contributions for new developments, the proof of uses in unexplored scopes of application up to now, elements of experience feedback, in particular on the release under development, prospects for new collaboration.

It results from it a notoriety which consolidates the choice of the mode of development selected, namely the fast industrialization, with a process of quality, of the progress of the R&D in digital simulation.

An investigation into the motivations of the choice of Code\_Aster Open Source and its uses in industrial environment highlighted a great diversity of the modes of appropriation, but also a large number of waiting and possible under-exploited synergies.

To consolidate and extend this community of professional users, **the need for a structuring stronger** or different from the mode from relations and exchanges current appears essential. This evolution must allow contacts between actors of the community beyond the technical and specific exchanges of the forum.

The current organization does not facilitate, and even does not allow, to achieve several goals :

- to **encourage the industrial and academic organizations to communicate on their commitment** - in particular on the place held by Code\_Aster in their software policy in numerical simulation ;
- to **support the multilateral exchanges** of a professional network to divide on the successful appropriations and to create partnership opportunities ;
- to **make emerge common needs** and **encourage the B2B service offering** around Code\_Aster Open source by companies having shown the qualification level necessary.

## A NEW IMPULSE

Two axes were retained by EDF R & D to concretize this fresh impulse :

- **to improve the communication** around *Code\_Aster Open source*, with [code-aster.org](http://code-aster.org) ;
- **to set up a professional network** around *Code\_Aster* and *Salomé Méca*.

## To communicate more on *Code\_Aster Open source*

Among the evolutions in preparation or already committed :

- a **web site entirely bilingual** French-English, even if certain documents are not immediately translated ; in particular the integrality of **documentation in English** will be put on line **during the summer 2011** and brought up to date regularly ;
- **publication** of **News** and **The Letter**, written by the external users, to emphasize some their work ;
- the creation of a heading dedicated to the **Community Code\_Aster Open source**, with **a public part** (distribution open source, use in Higher education...) and **a part with access controlled** for the exchanges between members of the new Network.

## Creation of Code\_Aster Professional Network

### NEW DYNAMICS AND MUTUAL INTEREST

This structure aims to create a **new dynamics in the mutual interest** of the community of the external organizations and EDF R & D.

- to consolidate the teams which engaged in a process of appropriation of *Code\_Aster Open source*, while making emerge multiform service offerings ;
- to extend the Community of industrial users of *Code\_Aster Open source* as the recognition of the model of the open source software increases ;
- to cultivate and make known the appreciation of *Code\_Aster Open source* : opened code, complete control and opposite of a black box, structure of scientific collaboration, space of creativity ;
- to connect the actors of the community beyond the technical and specific exchanges of the forum.

### ADVANTAGES FOR THE COMMUNITY

- to **create multilateral exchanges** (with EDF R & D and between the members) of better quality while raising the limits of a public and anonymous forum ;
- to **increase the visibility of the members** on the various applications carried out and the various practices of use ;
- to **disseminate privileged information** on the axes of evolution engaged by the actors contributing to the development, of which EDF R & D ;
- to **gather and structure** of the requests to the service providers ;
- to gear down the opportunities of **co-operative developments**.

### ADVANTAGES FOR EDF R&D

- to **improve quality of the return of information** of any nature on the use and the quality of *Code\_Aster Open source* ;
- to **decrease the load of a bilateral management** of the relations with the committed teams and to guard themselves against the risk to limit the exchanges at some particularly dynamic organizations ;

- to **consolidate the organizations engaged** in their approach by a more structured authority ;
- to **allow a better accompaniment** of the organizations ready to engage in their approach of evaluation ;
- to make emerge **more efficient service providers**, essential to the extension of the distribution ;
- to extend dynamics for **partnerships of co-development** with EDF R & D.

## PÉRIMETER AND OPERATION OF THE NETWORK

### A multi professional network

#### VOLUNTARY ADHESION OF VARIOUS ORGANIZATIONS

Three categories of voluntary organizations are invited to join the Network :

- **teams of industrial organizations** (team R & D, operational or subsidiary team, research departments suppliers or not of EDF...) ;
- **academic teams** committed in actions of teaching and research and **exchanges university-industry** around the reception facilities which *Code\_Aster Open source* constitutes ;
- **service providers** for *Code\_Aster Open source*.

The Network will tackle the relative questions with *Code\_Aster* of course, but also those concerning *Salomé Méca*, without replacing the authorities of dialog of *Salomé*.

#### A CHARTER FOR GOOD PERFORMANCE

**Adhesion with the Network is free**, but a charter of good performance will guarantee to all the members an effective operation and a protection against the diversion of the objectives of co-operation around *Code\_Aster Open source* :

- to respect the rights of each one in the choice of the software (commercial or open source) which it uses to exert its trades or to ensure delivery of a service ;
- to guarantee the neutrality of EDF R & D in the relations between customers and service providers ;
- to make respect by all the members a logic of sharing out "I bring to receive".

#### TWO STATUTES OF MEMBERS

To achieve the goals of mutual interest and the spirit of the Charter, **two statutes are possible for the organizations members of the network** :

- **active members** : organizations actually engaged in the use, the distribution and/or the development additional of *Code\_Aster Open source*, renewable statute every three years (puts rhythm into of a thesis or a project National Research Agency) ;
- **invited members** : organizations having expressed an interest for *Code\_Aster Open source*, but whose commitment remains to be confirmed ; **this statute is valid one year** (with possibility of renewal once).

#### SERVICE PROVIDERS

The statute of active member is granted to the service providers, by distinguishing the services for engineering analysis and the services "around the software" (development, computer set-up, formation, assistance...). This point is detailed in the Charter of the Network.

## Proposals for operation

### THREE FORMS OF ACTIVITY

The current project, which will be specified gradually with the participants, proposes :

- one or two **annual meetings** of all the members (in particular at the starting of the network), with a preliminary agenda ;
- organization, as needs, of **public meeting(s)** *Code\_Aster Open source*, on general or particular topics ;
- a **specific heading of the code-aster.org website, protected** by an identifier and a password granted to the correspondent and to the substitute, under their strict responsibility ;

This heading will allow in particular :

- the posting of the regulation and the composition of the Network ;
- specific information to increase the visibility on the distribution ;
- an exchange forum dedicated to the members ; the discussions open here are signed by all the authors and relate to only the objectives of the Network detailed in the Charter. Any ordinary technology matter (installation, particular use...) will be returned towards the public forum.

### RIGHTS AND DUTIES DEFINED IN THE CHARTER

The **active members** can engage discussions around *Code\_Aster Open source* for :

- to **present achievements** emphasizing particular functionalities and their comments on the advantages or the disadvantages met ;
- to **clarify needs of services** to accompany the implementation and the control of the software and to allow the service providers to refine their offer ;
- to **formulate proposals for extensions** (wished or planed by them), in order to make emerge specifications for achievements by service providers, members of the Network, and if required to define a multilateral financing ;
- to **propose**, each time they consider useful and economically interesting, integration in the distributed versions of *Code\_Aster Open source* of adaptations and developments, that they would choose not to distribute themselves ;
- to **contact** all the members for co-operative actions on general or specific topics or to communicate on opportunities related to calls to project (National Research Agency, pole of competitiveness,...).

The **invited members** can become acquainted with the invitations to tender and the calls to contribution, but cannot propose some. They have an obligation of confidentiality concerning the information acquired within the framework of the operation of the Network. This information is strictly reserved for their appreciation of the potentialities of *Code\_Aster Open source*.

The **service providers** can intervene in the discussions on the invitations to tender in preparation, but their service offerings can be presented only in the heading Service providers or directly to the applicants. EDF R&D or the website cannot be used of guarantee or intermediary between a service provider and his customers.

The **members of the Community of the EDF Group** have an access in reading on the totality of the contents of the forum of the Network.

EDF R & D, member of right of the Network, wishes to guarantee to this structure of exchanges an operation independent compared to the authorities managing *Code\_Aster* and *Salomé*. EDF R & D proposes that animation is ensured, by delegation for one launching period, by Jean-Raymond LÉVESQUE (Company ACCELMEDIA).