



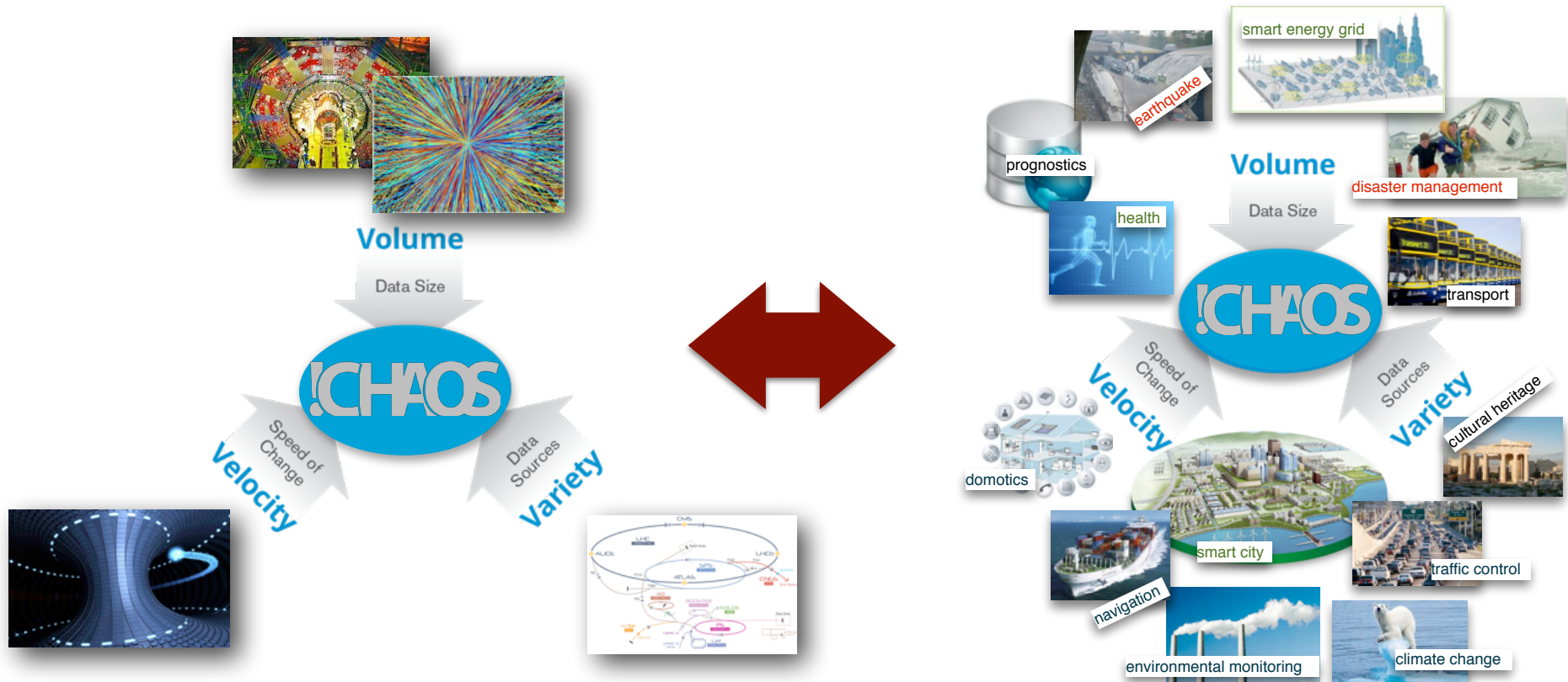
!CHAOS: A Cloud of Controls

Kickoff meeting

INFN-LNF, 9 April 2014
dissemination & impact

Task concept

- **Objective:** campaign of dissemination and/or exploitation of project results;
- **Target:** institutions, industries, INFN management and public at large;





Methodology

- **Website:** improve the chaos.infn.it web site with page and documentation dedicated to public at large and industries, and the promotion of job opportunity and training courses;
- **Scientific publications and Open Access:** allows open access to publication and documentation of the project;
- **Dissemination of results events:** realize a public presentation of the platform, addressed to stockholder (policy maker and business manager) and public at large;
- **Outreach activities:** promote thought secondary school and university students the use of open software and open hardware, and the benefits for the possible society of the project;
- **Activate training** courses addressed to research community and company interested in the development and usage of the new platform.



WEB Site

[http://chaos.infn.it/](http://chaos.infn.it)



HOME NEWS DOCUMENTATION

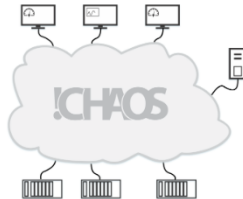
The ICHAOS project is aiming at the development of a new concept of control system and data acquisition framework providing, with a high level of abstraction, all the services needed for controlling and managing a large scientific, or non-scientific, infrastructure.

!CHAOS redefines Control System paradigm by introducing the new concept of **Control Service**, i.e. a distributed, scalable provider offering to a general class of clients high-performance services such as data sharing, commands dispatching, continuous historical data archiving, configuration tools, middle-layer resource management etc.

In this picture ICHAOS clients can be both **data consumers** (e.g. a display panel or a measurement application) and **data producers** (e.g. a front-end controller or a feedback algorithm) since they similarly, though for different purposes, access the services provided by the framework.

Key features and development strategies of ICHAOS are:

- scalability of performances and size
- integration of all functionalities
- abstraction of services, devices and data
- easy and modular customization
- extensive data caching for performance boost
- use of high-performance internet sw technologies



Continue reading in the [\[CHAOS Explained section\]](#)...
...or have a look at most recent [papers](#) and [presentations](#).

ROMA2

<https://web2.infn.it/chaos/>

Open Source Control System

Dimensioni carattere: [Aumentala](#) [Riducila](#) [Disattiva](#)

Cerca...

Set up Home

Menu Principale

- Home
- Documentation
- Useful Link
- Cerca
- Accesso utenti
- Amministrazione

Login

Nome utente:

Password:

Ricordami

[Password dimenticata?](#)
[Nome utente dimenticato?](#)
[Recupero](#)

The ICHAOS project is aiming at the development of a new concept of control system and data acquisition framework providing, with a high level of abstraction, all the services needed for controlling and managing a large scientific, or non-scientific, infrastructure.

!CHAOS redefines Control System paradigm by introducing the new concept of **Control Service**, i.e. a distributed, scalable provider offering to a general class of clients high-performance services such as data sharing, commands dispatching, continuous historical data archiving, configuration tools, middle-layer resource management etc.

In this picture ICHAOS clients can be both **data consumers** (e.g. a display panel or a measurement application) and **data producers** (e.g. a front-end controller or a feedback algorithm) since they similarly, though for different purposes, access the services provided by the framework.

Key features and development strategies of ICHAOS are:

- scalability of performances and size
- integration of all functionalities
- abstraction of services, devices and data
- easy and modular customization
- extensive data caching for performance boost
- use of high-performance internet sw technologies

Powered by Joomla!

CNAF

<https://opensource.Infn.infn.it>

System Dashboard

Introduction

Welcome to LNF
New to JIRA? Check out the JIRA User's Guide.

Login

Username:

Password:

Remember my login on this computer

Not a member? [Sign Up for an account.](#)

[Log In](#) [Can't access your account?](#)

Atlassian JIRA (v6.2.2#6258-sha12012433) | About JIRA | Report a problem

Powered by a free Atlassian JIRA open source license for INFN. Try JIRA - bug tracking software for your team.

Atlassian

INFN

- un solo sito (CNAME chaos.infn.it) su web2
- re-indirizzamento per la documentazione su opensource.Infn.infn.it
- archivio pubblicazioni e testi per il largo pubblico
- (offerte di lavoro e training)



to do...

- realizzare una presentazione per le scuole e il largo pubblico
- organizzare eventi a Frascati/Roma (es contatti con italianostra ovviamente frascatiscienza/notte dei ricercatori) o nelle città partecipanti per presentare il l'idea di !CHAOS e più in generale l'ICT indotto da progetti di HEP e open software e open hardware.
- aprire ulteriori contatti con le imprese/istituzioni in vista anche di nuovi progetti.
- formazione: 1) assegnisti e personale assunto 2) ...