

ECRI 2007[★]


★ *european conference on research infrastructures*

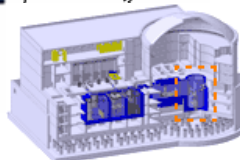
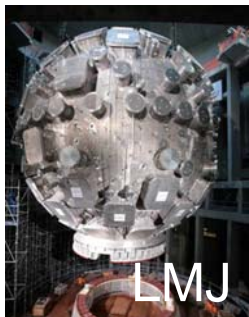
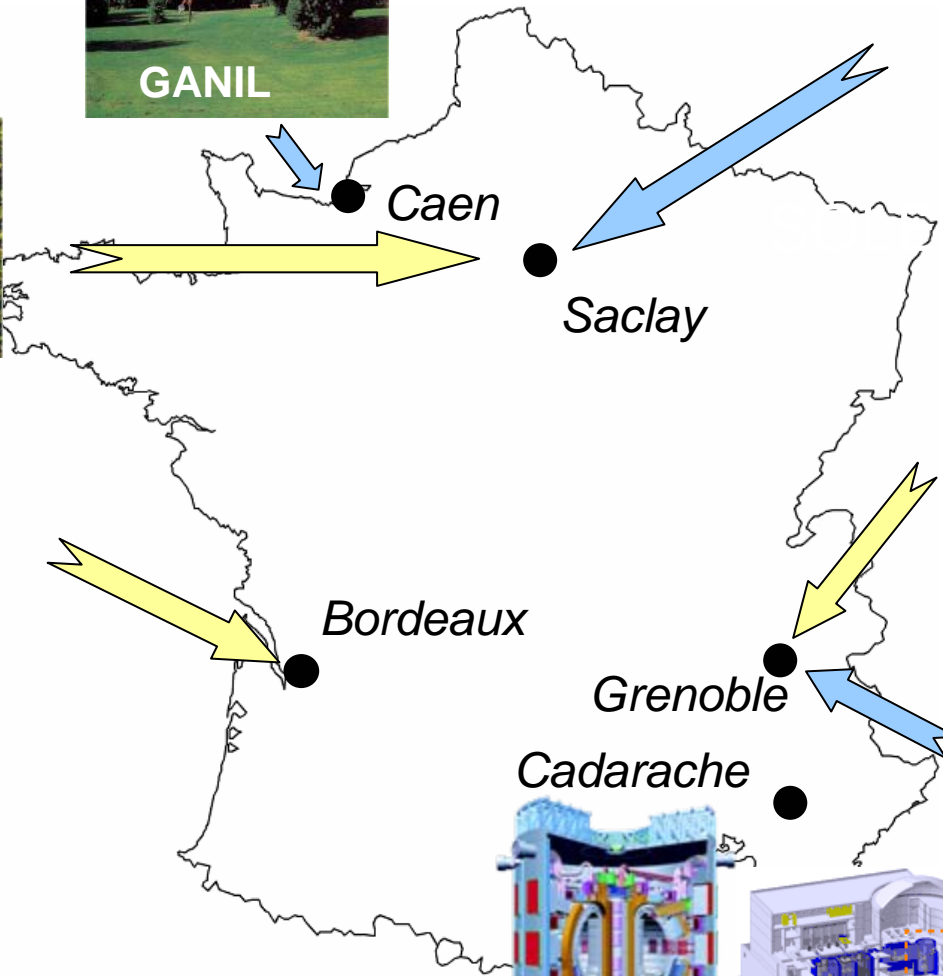
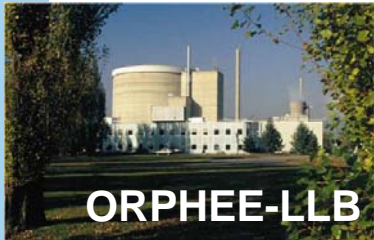
Best Practice and Business Plan

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ECRI 2007, Hamburg, 6/6/2007

The French Experience



J. Horowitz Reactor

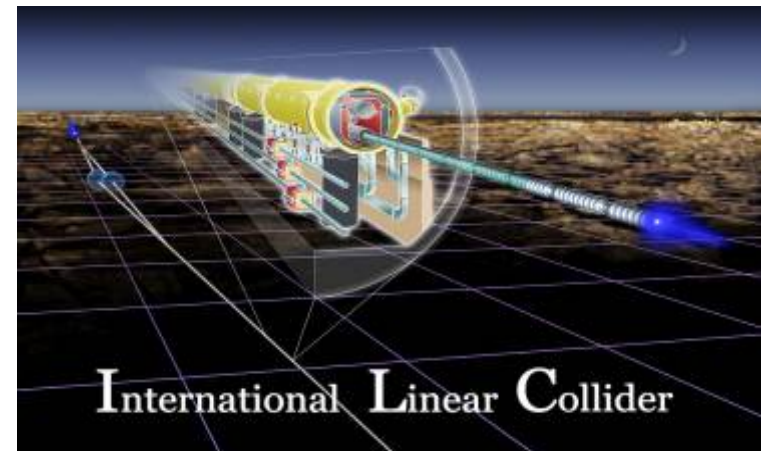
Large Research Infrastructures : a need for international collaborations

The increasing costs and the high technological level of Large Research Infrastructures (LRI) require **large international collaborations**, which make more complex the approval and the funding the project

But hosting a LRI requires a **strong local political support** and **professional management**, besides scientific and technological excellences.

It exists a **real competition** to host a LRI as positive returns are possible in terms of :

- Science
- Technology
- Economy
- Image



The key of success of a LRI :

A professional management during all phases of the project, from the expression of the scientific goals, to the daily operation of the installation.

The design and the costing of the infrastructure, the construction schedule must be conducted in an open and international quality standard procedure, to present to the political stakeholders a project ready for decision.

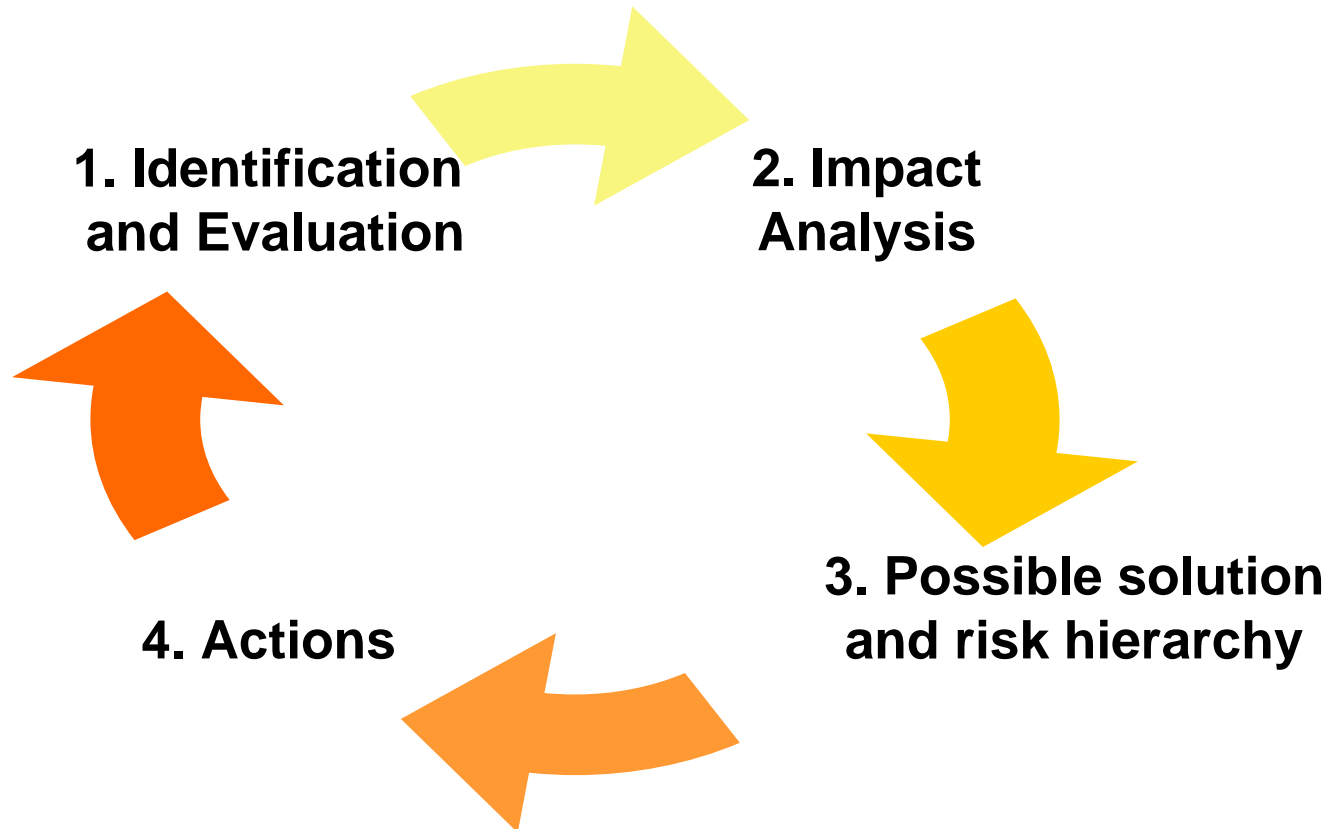
A business plan based on a precise multi-annual financial estimate must be provided, including a reserve fund for contingencies, the operation costs and the cost of the dismantling.

During the construction, the role of the **steering committee** is essential: placed at the top decision level, it surveys and approves the actions of the project manager.

It must be seconded by **external project review committees**, which should report on specific items like :

- project management,
- technical and scientific issues,
- safety
- financial aspects

A real policy of “risk management” must be conducted:

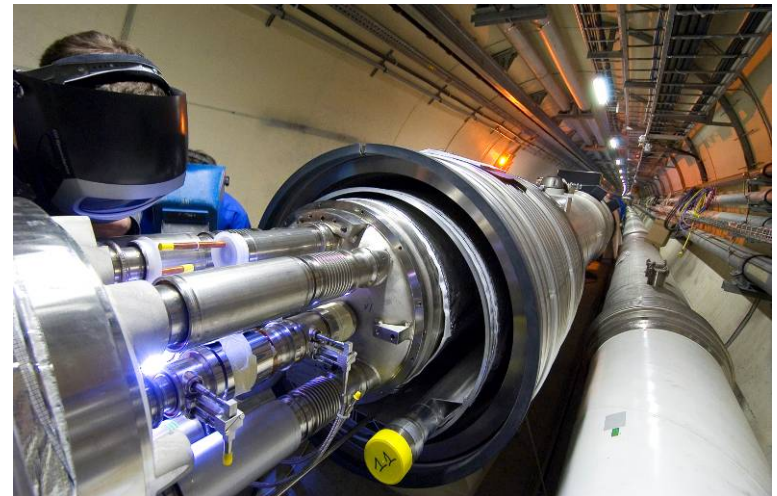


The reserve fund for contingencies can be made available only after approval by the steering committee, after having heard the reports of the external review committees.

A **reciprocal need** between the scientific community and industry.

The relations with industry on the most innovating parts should be foreseen in the frame of a real **partnership**.

A sound **industrial policy** is essential.



During the operation phase of a LRI, it is essential to maintain :
a **close link with the international scientific** community
and to **assess the performance level** of the facility with respect
to the international direct competitors by conducting regular
benchmarks .

To guarantee the possibility of a constant replacement of obsolete
equipments, it would be highly desirable that an **amortising
procedure** is implemented for the essential components of the
installation.

- Professional management during all phases of the project.
- Business plan based on a precise multi-annual financial estimate.
- Management “goal” oriented.
- Risk Management.
- Amortising expensive equipments during LRI operation to guarantee a constant upgrade.