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# External costs of fuel cycles

## Fact Sheet

### Project Information

Grant agreement ID: JOUM0012

Project closed

**Start date**

1 October 1991

**End date**

30 September 1992

**Funded under**

Specific research and technological development programme (EEC) in the field of energy - non-nuclear energies and rational use of energy - (JOULE), 1989-1992

**Total cost**

No data

**EU contribution**

No data

**Coordinated by**

CENTRE D'ETUDES SUR  
L'EVALUATION DE LA  
PROTECTION DANS LE  
DOMAINE NUCLEAIRE

 France

## Objective

This project is part of the general project which is led in parallel with a joint programme of the US Department of Energy. It has the objective to create an unified conceptual design for quantifying the various external costs associated with the production and consumption of energy from different fuel sources. This particular project focuses on the nuclear cycle in France.

The project will cover the chain of environmental causes and effects from the emissions, or other burden which is produced by the nuclear energy system through to the costs of the damage produced. Nuclear cycle accounting framework includes actions related to:

1. The definition, implementation and demonstration of the accounting framework.

1.1 Identification and description of the installations. (Reference technologies).

1.2 Technical description of the different stages in the nuclear fuel cycle.

1.3 Identifying the resulting impacts on health and environment.

1.4 Identification of the external costs.

2. The evaluation of impacts and costs:

2.1 Radioactive release associated with normal operations of installations.

2.2 Assessment of physical impacts in the occupational domain.

2.3 Assessment of risks of the radioactive materials transportation.

2.4 Impacts of radioactive waste disposal.

2.5 Health and environmental consequences of a major nuclear accident.

2.6 Monetary valuation of health and environmental impacts.

3. Integration and presentation of the results.

3.1 Integration and tests.

3.2 Sensitivity analysis.

3.3 Synthesis.

3.4 Information support

## Fields of science (EuroSciVoc)

[engineering and technology](#) > [other engineering and technologies](#) > [nuclear engineering](#) > **[nuclear waste management](#)**

[engineering and technology](#) > [environmental engineering](#) > **[waste management](#)**

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > **[nuclear energy](#)**



## Programme(s)

[FP2-JOULE 1 - Specific research and technological development programme \(EEC\) in the field of energy - non-nuclear energies and rational use of energy - \(JOULE\), 1989-1992](#)

## Topic(s)

Data not available

## Call for proposal

Data not available

## Funding Scheme

[CSC - Cost-sharing contracts](#)

## Coordinator



**CENTRE D'ETUDES SUR L'EVALUATION DE LA PROTECTION DANS LE  
DOMAINE NUCLEAIRE**

EU contribution

**No data**

Total cost

**No data**

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**Permalink:** <https://cordis.europa.eu/project/id/JOUM0012>

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