

An assessment of the societal impacts of French soil databases

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An assessment of the societal impacts of French soil databases

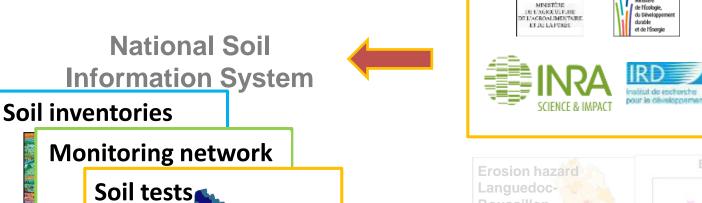
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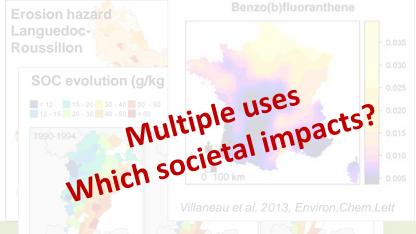


Context

French soil data

Collection coordinated by the French Soil Interest Group since 2001







ADEME

er de la Maleria de l'Brergie

The Asirpa method (1/2)

Research Evaluation Advance Access published July 25, 2015

Research Evaluation (2015) pp. 1–14

doi:10.1093/reseval/rvv015

ASIRPA: A comprehensive theory-based approach to assessing the societal impacts of a research organization

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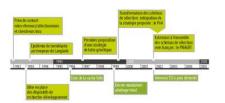
- Based on case studies
- Standardized description
- Scaling-up to the organization level

ASIRPA = Socio-economic analysis of the diversity of Impacts of Public Research for Agriculture



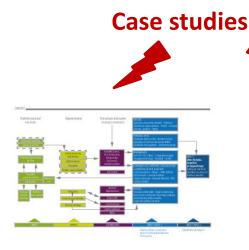
The Asirpa method (2/2)

Three main deliverables



1. Chronology

- Long term investments
- Capacity building
- Key events



2. Impact pathway

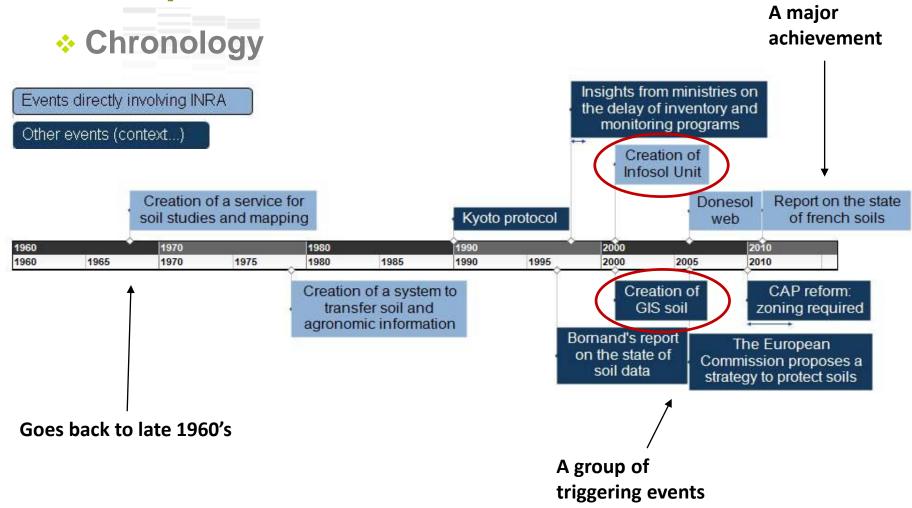
- From research to impact
- Contributions of various actors
- External context



3. Impact assessement

- Various dimensions of impact:
 - ✓ Economy
 - ✓ Public health
 - ✓ Environmental
 - ✓ Territorial social
 - ✓ Public policies









- Identification of potential impacts:
 - Direct relationship with end-user
 - Direct relationship with intermediary organisations (provision of data + regular surveys)
 - « By chance »: spontaneous feedback
- Description of confirmed impacts:
 - Series of interviews... sometimes many intermediaries before reaching THE end-user
 - Impact confirmed (and described)... or not





Public policies

- Zoning habitats to implement biodiversity conservation measures
- Revision of the delineation of less favoured areas

Economy

French Fertilizer Industries Union: market research based on national analysis of soil liming requirements

Territorial impact

Set-up of the bypassing of built-up areas around Lyon for high-speed rail

Environment

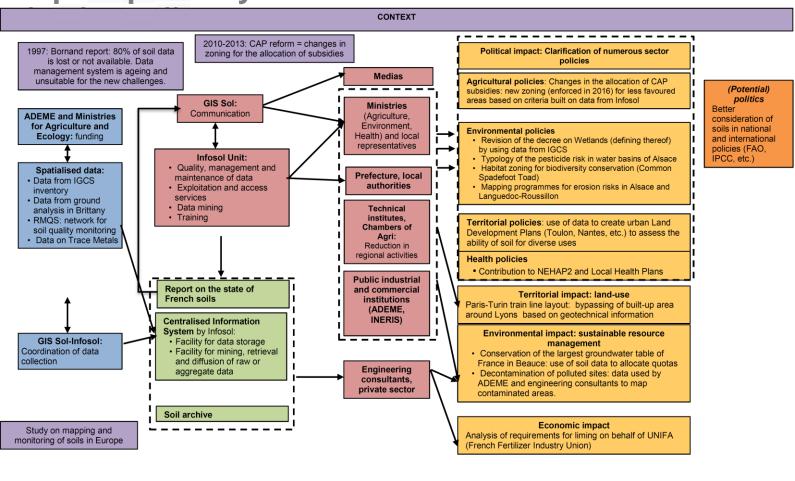
Calculation of the recharge of the Beauce groundwater table as an element of negotiation for the allocation of irrigation quotas

Health

Implementation of environmental inequality characterisation tools, with risk prevention plans including exposure to soil trace elements



Impact pathway



INTERMEDIAIRES

IMPACTS 1

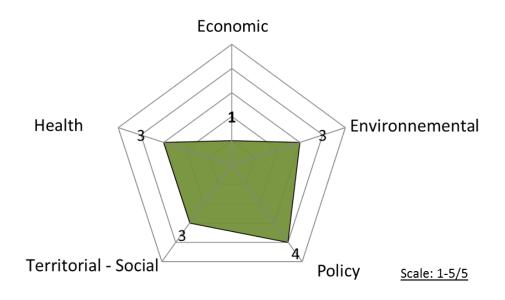


IMPACTS 2

OUTPUTS

INPUTS

Impact assessment



- * Balanced impacts on the various dimensions
- Economic impact acknowledged but difficult to quantify

Conclusions and perspectives

- 1st assessment of societal impacts of French soil databases
- More than the impacts themselves:
 - Better knowledge of data end-users
 - Enhanced recognition of the usefulness of French soil databases
 - Basis for setting up a new communication strategy regarding soil databases: very successful national conference with testimonies of end-users
- Perspectives :
 - Add new impact descriptions
 - Gather testimonies of end-users in a booklet or a documentary





Thanks for your attention!

For any question regarding:

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