



# Being Framed: Ecotoxicity Prediction, Satellite Data and *In Silico* Tools

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SPACE-EARTH INTERACTIONS

## Background

**Need:** Continuous, affordable, and reliable ecotoxicological tests

**Opportunity:** Develop (or interface) *in silico* tools with satellite data

**Proposal:** Constructing a transversal framework capable of guiding and refining the research

## Methodology

**First version:** Templates the relationship between:

- (1) Current state of the art *in silico* tools
- (2) Input satellite data
- (3) Microscopic significance
- (4) Macroscopic output parameters
- (5) Regulatory testing bio-targets
- (6) Citizen literacy.



## Results

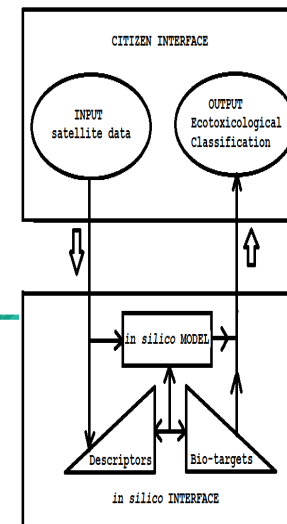
**1<sup>st</sup> stage:** Literature Revision and transversal analysis of:

- (1) Institutional guidelines
- (2) Preferred bio-targets
- (3) Digital and scientific literacy
- (4) Environmental satellite data
- (5) Recurrent nano descriptors

## Conclusions/Impact

**Advantages:** The use of the framework:

- (1) Sustains research management flux-charts
- (2) Identifies areas of critical sensitivity
- (3) Provides a validation tool



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