

Óscar Loriente<sup>1</sup>, María-del-Val Segarra-Oña<sup>2</sup>, Ángel Peiró-Signes<sup>2</sup>

II Encuentro de Estudiantes de Doctorado, UPV, Valencia, Junio 2015

<sup>1</sup> Dpto de Mecánica y Ciencia de Materiales. Universidad Politécnica de Valencia. Author. osllar@mcm.upv.es

<sup>2</sup> Dpto de Organización de Empresas. Universidad Politécnica de Valencia. Directors.

## Introduction

The chemical sector is characterized as very polluting and therefore with bad image and reputation respect to environmental care. Moreover, this represents an important part of Spanish industry, both in terms of turnover as social repercussions.

Usually, eco-innovation studies focus on the search for indicators, based on the analysis of surveys and patent methods. Other studies have tried to adapt the theory of innovation systems and indicators for eco-innovation, establishing a model for the analysis and indicators of ecological innovation. All these studies have been conducted at a general level, most of them applied to the industrial sector.

At the sectorial level, one of the key issues in the study of eco-innovation is the discovery of the factors that facilitate or obstruct the implementation in companies.

So far, few authors have addressed the analysis of eco-innovation in the chemicals sector

## Objectives and Hypothesis

The thesis aims, based on studies and analysis methods observed in the art, study the factors identifiers eco-innovative behaviour in the Spanish chemical industry.

Initial Hypothesis:

**H1.** There is a mix of factors, internal and external, that affect eco-innovative behaviour of firms.

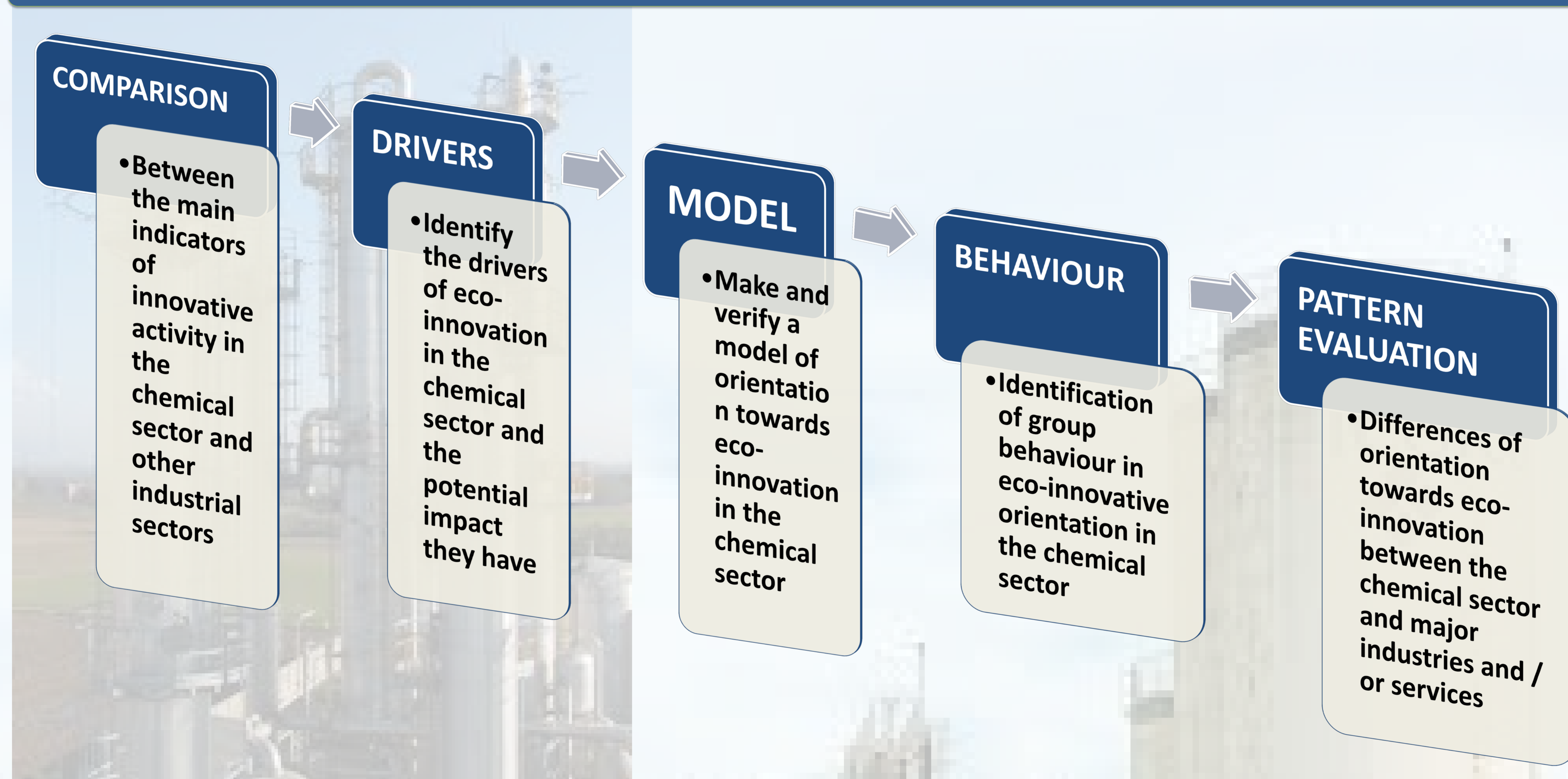
**H2.** The various factors involved do in varying importance, and can be quantified.

**H3.** A model that describes the overall performance of the sector can be found

**H4.** Within the chemical sector, not all companies serve the same pattern, or the same factors, with equal impact.

**H5** Analogies and differences with other industrial and service sectors can be compared.

## Key stages



## Expected results

➤ Identify, categorize and classify the factors that affect the eco-innovative behaviour of this sector and also allow defining the levers on which to act

➤ By using the model, establish analogies and differences with other sectors