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## MESuRS - Laboratoire modélisation, épidémiologie et surveillance des risques sanitaires

Rapport Hcéres

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REPORT ON THE RESEARCH UNIT:  
Modélisation, Épidémiologie et Surveillance des  
Risques Sanitaires (MESuRS)

UNDER THE SUPERVISION OF THE  
FOLLOWING INSTITUTIONS AND  
RESEARCH BODIES:

Conservatoire National des Arts et Métiers -  
CNAM

—

**EVALUATION CAMPAIGN 2017-2018**  
GROUP D



In the name of Hcéres<sup>1</sup> :

Michel Cosnard, President

In the name of the experts committees<sup>2</sup> :

Niel Hens, Chairman of the committee

Under the decree No.2014-1365 dated 14 november 2014,

<sup>1</sup> The president of HCERES "countersigns the evaluation reports set up by the experts committees and signed by their chairman." (Article 8, paragraph 5);

<sup>2</sup> The evaluation reports "are signed by the chairman of the expert committee". (Article 11, paragraph 2).

This report is the sole result of the unit's evaluation by the expert committee, the composition of which is specified below. The assessments contained herein are the expression of an independent and collegial reviewing by the committee.

## UNIT PRESENTATION

|                                      |  |
|--------------------------------------|--|
| <b>Unit name:</b>                    | Modélisation, Épidémiologie et Surveillance des Risques Sanitaires |
| <b>Unit acronym:</b>                 | MESuRS   |
| <b>Requested label:</b>              | EA   |
| <b>Application type:</b>             | Renewal  |
| <b>Current number:</b>               | 4628   |
| <b>Head of the unit (2011-2018):</b> | Mr William DAB   |
| <b>Head of the unit (2019-2023):</b> | Ms Laura TEMIME  |
| <b>Number of themes:</b>             | 2  |

## COMMITTEE MEMBERS

|  |  |
|--|--|
| <b>Chair:</b>  | Mr Niel HENS, University of Antwerp & Hasselt University, Belgium  |
| <b>Experts:</b>  | Ms Anne-Claude CREMIEUX, Hôpital Saint Louis Paris 7 University<br>Ms Adeline LECLERCQ SAMSON, Université Grenoble Alpes (representative of CNU)<br>Ms Isabelle NIEDHAMMER, INSERM<br>Mr Laith YAKOB, London School of Hygiene & Tropical Medicine, UK |
| <b>HCERES scientific officer:</b>                              | Mr Philippe VANHEMS  |
| <b>Representatives of supervising institutions and bodies:</b> | Mr Jean-François DEÛ, CNAM<br>Ms Clotilde FERROUD, CNAM<br>Mr Thierry HORSIN, CNAM   |

## INTRODUCTION

### HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

Following an evaluation by AERES in January 2010, a unit entitled “Modélisation et Surveillance des Risques pour la Sécurité Sanitaire” (MSRSS) was created in January 2011 at the “Conservatoire National des Arts et Métiers” (CNAM, Paris, France). The unit was then positively re-evaluated in December 2012 by AERES. Given a turnover in staff and following the recommendations made during the re-evaluation, the unit renewed itself in January 2014 as “Modélisation, Épidémiologie et Surveillance des Risques Sanitaires” (MESuRS).

### MANAGEMENT TEAM

Head of the unit: Mr William DAB (2011-2018), Ms Laura TEMIME (2019-2023).

### HCERES NOMENCLATURE

SVE6\_2 Épidémiologie ; SVE6\_1 Santé publique.

### SCIENTIFIC DOMAIN

Nosocomial/Healthcare Acquired Infections, Occupational risks, Surveillance, Mathematical and statistical epidemiology.

### UNIT WORKFORCE

| Unit workforce  | Number<br>30/06/2017 | Number<br>01/01/2019 |
|---|----------------------|----------------------|
| <b>Permanent staff</b>  |                      |                      |
| Full professors and similar positions   | 2                    | 2                    |
| Assistant professors and similar positions  | 2                    | 2                    |
| Full time research directors (Directeurs de recherche) and similar positions                    | 0                    | 0                    |
| Full time research associates (Chargés de recherche) and similar positions                      | 0                    | 0                    |
| Other scientists (“Conservateurs, cadres scientifiques des EPIC, fondations, industries, etc.”) | 0                    | 0                    |
| High school teachers  | 0                    | 0                    |
| Supporting personnel (ITAs, BIATSSs and others, notably of EPICs)                               | 1                    | 1                    |
| <b>TOTAL permanent staff</b>  | <b>5</b>             | <b>5</b>             |

| <b>Non-permanent staff</b>  |           |  |
|---|-----------|--|
| Non-permanent professors and associate professors, including emeritus | 0         |  |
| Non-permanent full time scientists, including emeritus, post-docs     | 1         |  |
| Non-permanent supporting personnel                                    | 0         |  |
| PhD Students  | 4         |  |
| <b>TOTAL non-permanent staff</b>                                      | <b>5</b>  |  |
|   |           |  |
| <b>TOTAL unit</b>   | <b>10</b> |  |

## GLOBAL ASSESSMENT OF THE UNIT

Given a turnover in staff and following the recommendations made during the positive re-evaluation in 2012 by AERES, the unit renewed itself in January 2014 and is now entitled “Modélisation, Épidémiologie et Surveillance des Risques Sanitaires” (MESuRS). The research within MESuRS focuses on two main themes with cross fertilisation between them: infectious risks and occupational risks. The research in infectious risks is well focused on nosocomial infections and linked to e.g. the Epidemiology of Emerging Disease research unit from the Pasteur Institute by the recently created PACRI (Pasteur Cnam Risques Infectieux) collaboration. The research in occupational risks is innovative and closely linked to the private sector with, among others, a bidirectional knowledge transfer through e.g. the chair “Entreprises et Santé” and teaching to work students; i.e. lifelong learning. The MESuRS unit is a young and dynamic team which uses modern statistical and mathematical methodology resulting in very good quality research and growing number of projects and research income over the past few years. Albeit that the unit has taken up all recommendations as formulated in the last evaluation report (increasing autonomous research, strengthening expertise in epidemiology, establishing new links to the private sector for the occupational risk theme), the disproportionally high teaching load within this small team with 4 tenured professors and/or associate professors needs to be evaluated and monitored very carefully to ensure that the unit's scientific output and activities remain of excellent quality.

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2 rue Albert Einstein  
75013 Paris, France  
T. 33 (0)1 55 55 60 10

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