



La Rochelle  
Université

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**D'ici, on voit + loin !**

# LABORATORY OF INFORMATICS IMAGE INTERACTION (L3I)

Yacine Ghamri-Doudane (Director)

Sylvain Marchand & Jean-Christophe Burie (Deputy Directors)



# L3i ID CARD

- + **1993** : Creation of the Laboratory of Informatics and Industrial Imaging
- + **2003** : Laboratory of Informatics Image Interaction
- + **2022** : L3i MOTO:  
*Interactive and Intelligent Management of Digital Content: for humanity, society and the environment*

**In 2025-2026**

COMPOSITION      **~115 members**

- Full Professors:	<b>12</b>
- Associate Professors:	<b>4</b>
- Assistant Professors and Lecturers:	<b>22</b>
- Staff :	<b>7</b>
- Research Associates & post-docs :	<b>30</b>
- Ph.D. students :	<b>40</b>

Total Annual Research Grants: 2 M€  
(not including faculty salary)

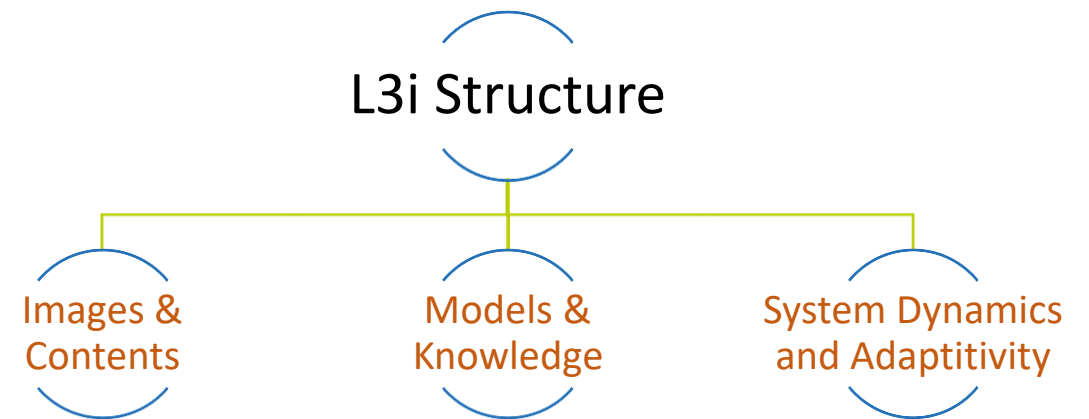
3 research groups

Associated with 2 Technology Transfer  
branches

# L3I STRUCTURE IN 3 RESEARCH GROUPS

## + 3 Research Groups working on :

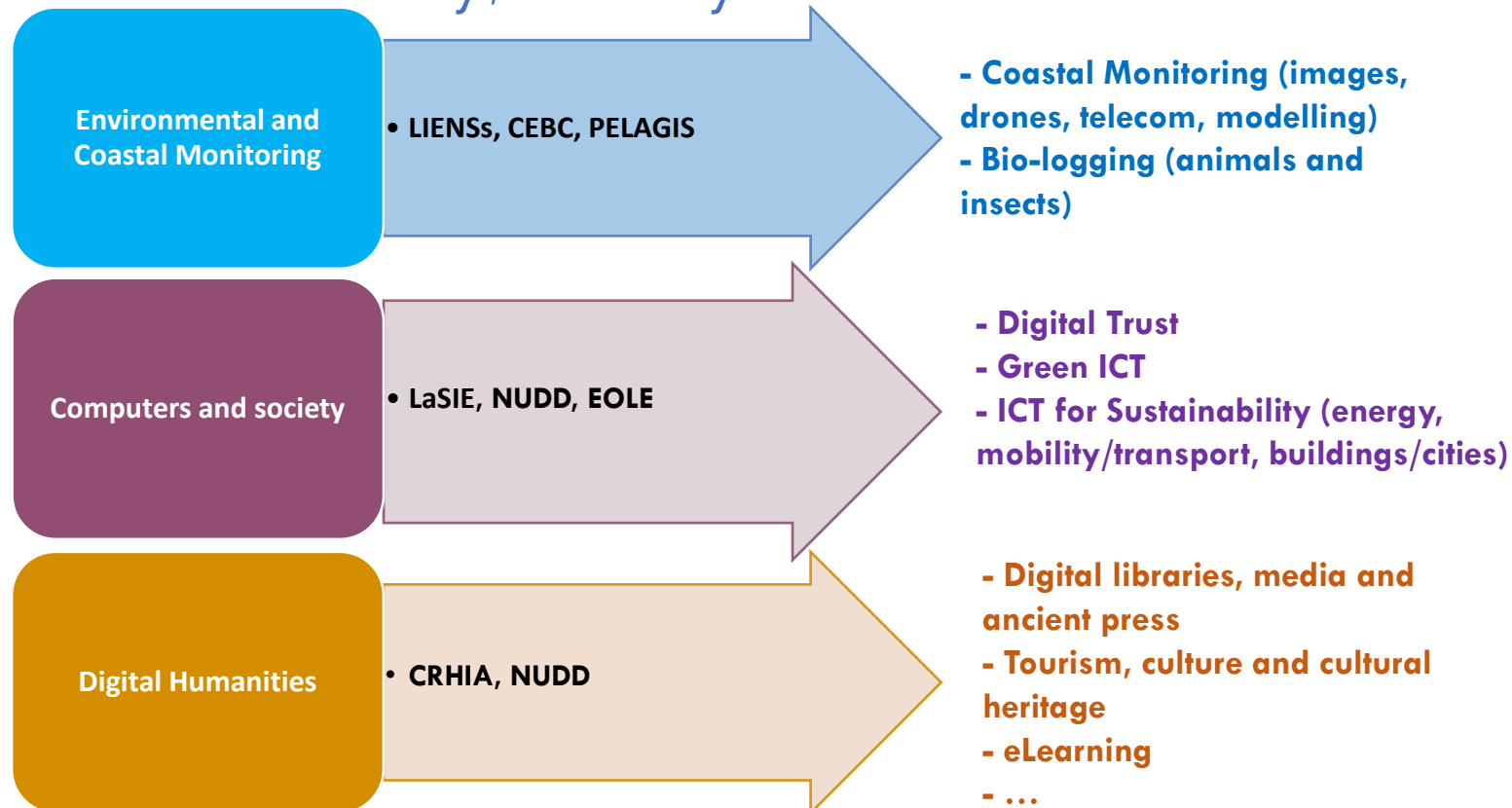
- > Digital Documents
- > Computer Vision and Natural Language Processing
- > Data Mining and Information Retrieval
- > Semantic Reasoning and Knowledge Engineering
- > Human-Computer Interactions
- > Self-Adaptive Computing Continuum (5G/6G, IoT-Edge-Cloud Continuum, AIoT)
- > Cybersecurity



**Applied Artificial Intelligence**

# TRANSVERSAL AXIS: PRIORITY USE CASES

## Interactive and Intelligent Management of Digital Content: for humanity, society and the environment



# PUBLICATIONS IN OUR 5-YEAR PROGRESS REPORT

## + Publishing in premier international journals:

- > Journal publication rate per faculty member : 3,19 (1,85, 1,76 et 1,20 in previous reporting periods).
- > Avoid Open Access Journals

## + Publishing in ranked conferences (CORE B+ or equivalent)

Patents  
 Chapters and Books  
**International Journals**  
 National Journals  
**International Conferences**  
 International Workshops  
 National conferences  
 National Workshops  
 Totals

	2015-2020	2011-2016	2006-2010
Patents	-	1	-
Chapters and Books	27	31	34
<b>International Journals</b>	<b>99</b>	<b>51</b>	<b>60</b>
National Journals	6	12	
<b>International Conferences</b>	<b>277</b>	<b>218</b>	<b>163</b>
International Workshops	44	42	
National conferences	37	57	
National Workshops	8	11	56
Totals	498	423	313

**SCIMAGO : 54 Q1 (54,54%) + 21 Q2 (21,21%)**

**International : co-authors in more than 40 universities from 21 different countries**

# POSEIDON.AI<sup>©</sup> @ OPENCAMPUSINNOV

Platform for Open digitalised Environments through IoT-driven and Document-driven innovatiONs

## + Two Technology Transfer Platforms

### > Document.AI<sup>©</sup>

- **Equipment:** High-resolution digital back, Production scanner, 3D scanner, Mobile devices (smartphones, tablets with various sensors), Scanning table, Viewing tools.
- **Use cases:** eAdministration (incl. Fraud detection), eCulture, Digitalized Cultural Heritage, ...

### > Connect.AI<sup>©</sup>

- **Equipment:** Private 5G infrastructure, LoRa infrastructure, Lightweight servers for edge computing, open mini-clouds with GPUs, IoT devices (sensors, actuators, AR/VR)
- **Use cases:** smart-\*(cities, buildings, energy, mobility, transportation systems, industry 4.0)