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COMISSÃO DE COORDENAÇÃO E
DESENVOLVIMENTO REGIONAL DO NORTE

*Norte Region Smart Specialisation
Strategy (NORTE RIS3)*

*Norte Regional Coordination and Development Commission
4th november 2019*

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- 2. NORTE RIS3 Monitoring Results***
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1. NORTE RIS3 Vision

VISION

By 2020, Norte Region will be a reference of industrial competitiveness founded on continuous innovation and on dynamic capabilities and drawing a new trajectory of fast growth and job creation

STRATEGIC OBJECTIVES

Technological intensification of the productive base

Economic valorization of territorial intensive assets and resources

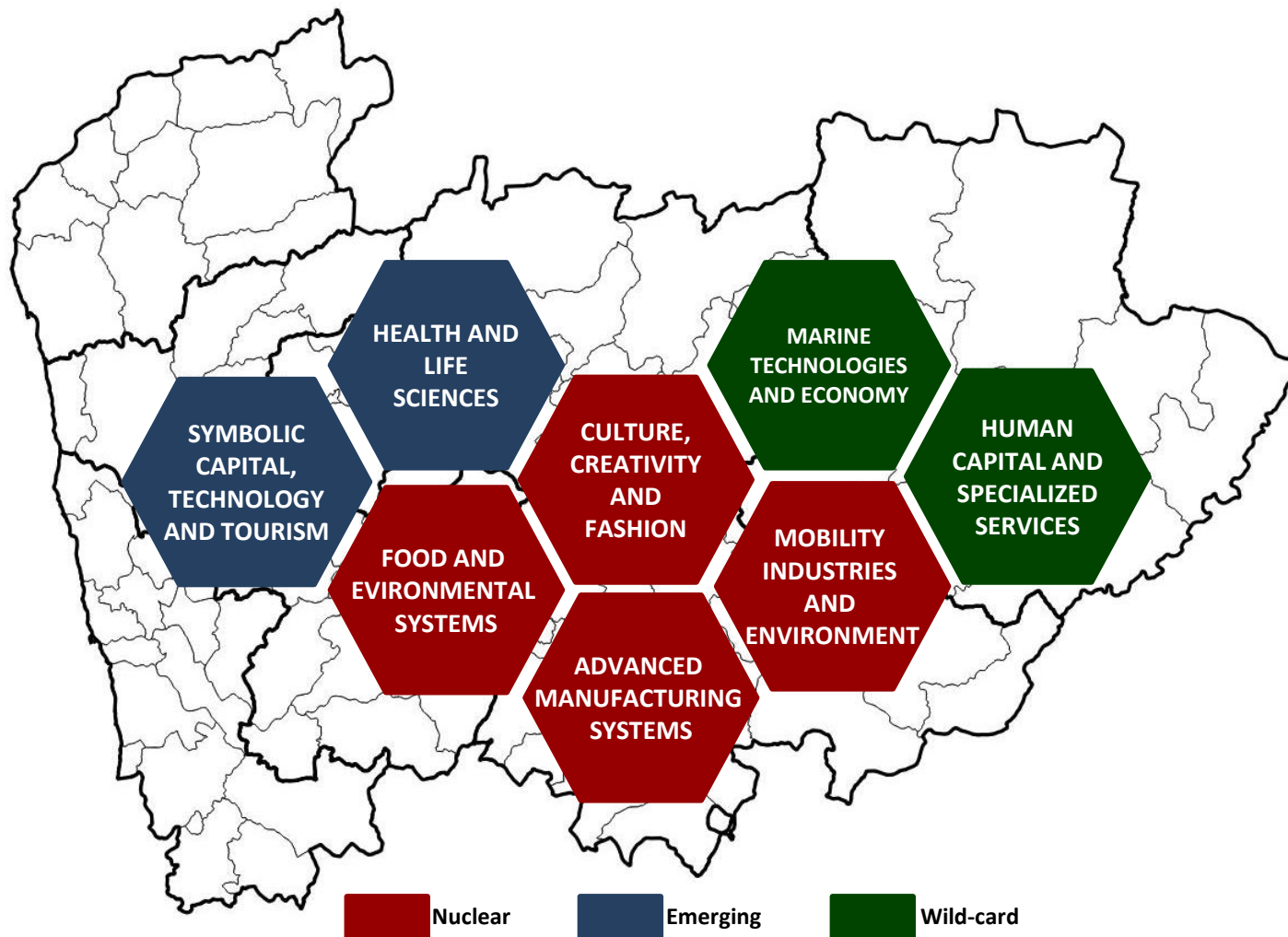
Improvement of the competitive position on a global scale

TRANSVERSAL OBJECTIVES

Increase of qualifications of all the segments of the population

Improvement the effectiveness and efficiency of the governance model

1. NORTE RIS3 Priority Domains

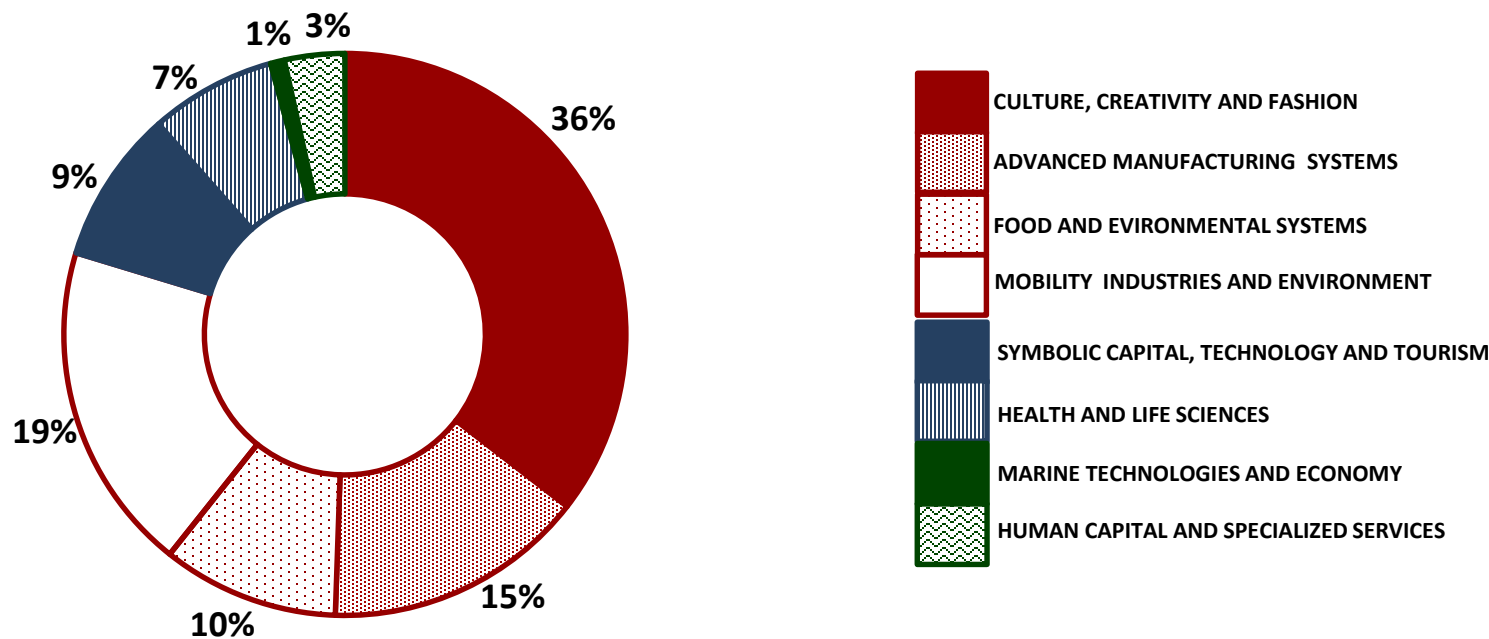


1. NORTE RIS3 Main Policy Instruments

THEMATIC OBJECTIVE	INVESTMENT PRIORITY	SPECIFIC OBJETIVE	MAIN POLICY INSTRUMENTS
1	1.1	Increase scientific production of internationally recognized quality	“Support System for Scientific and Technological Research”: R&D projects, Proofs of concepts, IPR protection, R&D projects internationalization, Research Infrastructures
	1.2	Strengthen the transfer of scientific and technological knowledge to the business sector	“Incentives System for Research and Technological Development”: RTD projects led by companies; Technology demonstration projects; Mobilising projects; Intellectual property protection; Creation of business RTD centres; R&D business internationalization; R&D vouchers
		Increase business investment in R&D&I	“Support System for Collective Actions”: Clusters and networks; Technology transfer
		Increase business investment in innovative activities	“Incentives System for Innovation”: Production for Non-SME Technological Infrastructures
3	3.1	Promote qualified and creative entrepreneurship	“Incentives System for Innovation”: Qualified and creative entrepreneurship “Support System for Collective Actions”: Entrepreneurship
	3.2	Strengthening the entrepreneurial skills necessary to develop new business and corporate models, as well as internationalization	“Incentives System for Qualification and Internationalization of SME”: Internationalization “Support System for Collective Actions”: Internationalization
	3.3	Strengthening the business capacity of SMEs	“Incentives System for Innovation”: Production for SME “Incentives System for Qualification and Internationalization of SME”: Qualification “Support System for Collective Actions”: Qualification
			Alignment with RIS3 priorities

2. NORTE RIS3 monitoring results

Total Approvals by Priority Domain
 Eligible Investment

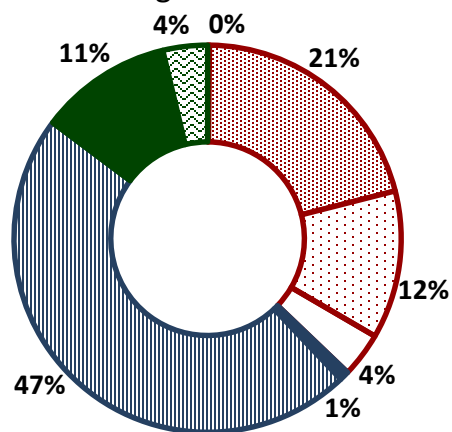


- The **nuclear domains** are those with the highest representation, in particular “Culture, Creativity and Fashion” (36%), “Mobility and Environment Industries” (19%) and “Advanced Manufacturing Systems” (15%).
- **Wild-card domains** have a very small expression, with only 3% of the eligible investment in “Human Capital and Specialized Services” and 1% in “Sea Resources and Economy”.

2. NORTE RIS3 monitoring results

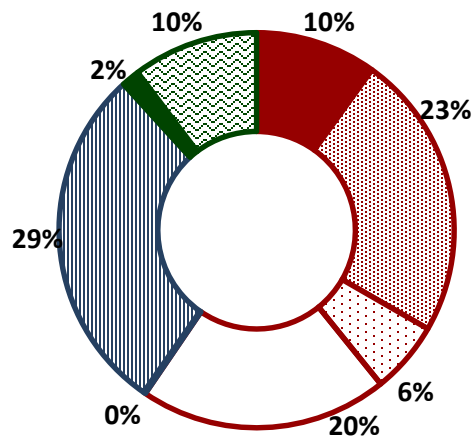
Scientific Research and Technological Development

Total approvals by Domain
 Eligible Investment



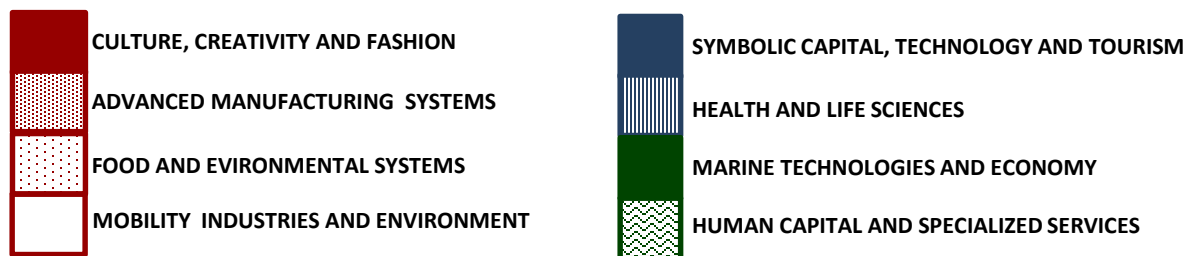
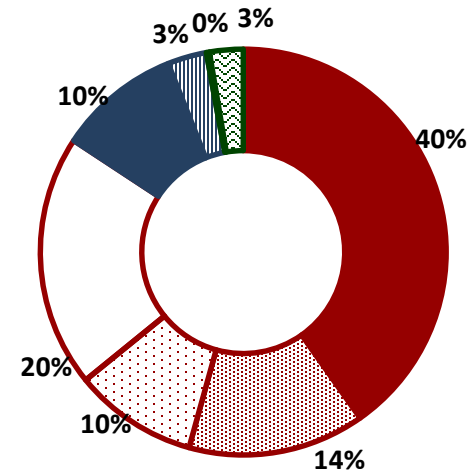
Enterprise R&D

Total approvals by domain
 Eligible Investment



Enterprise Innovation and Qualification

Total approvals by domain
 Eligible Investment



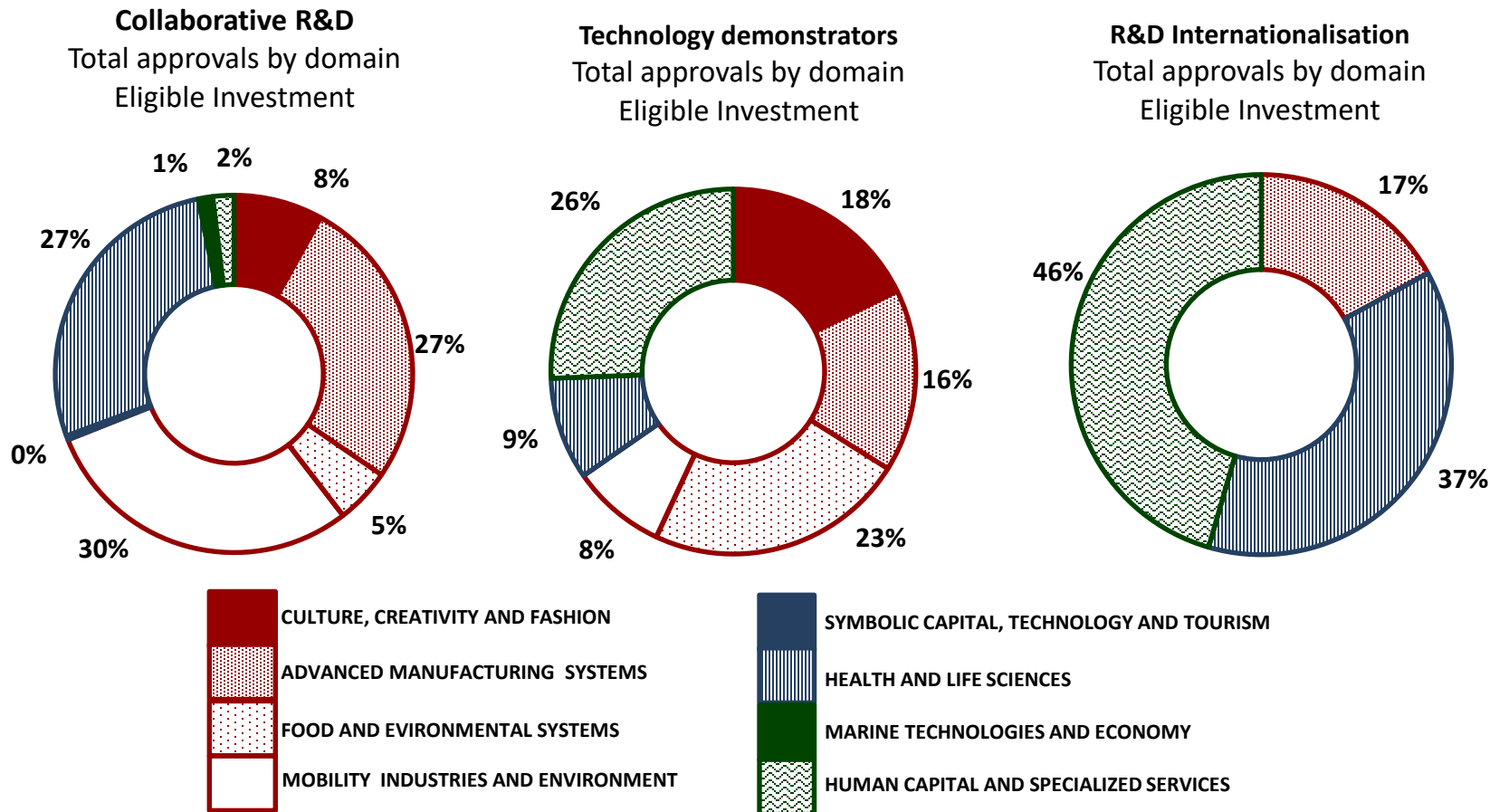
- **Emerging or “wild card” domains**, such as “Health and Life Sciences” and “Sea Resources and Economics”, appear to have **very significant expressions in Scientific research and technological development investment, more public than private**. On the other hand, the **nuclear domains**, in particular “Culture, Creation and Fashion”, presents **higher levels of investment in innovation and qualification by enterprises**.

2. NORTE RIS3 monitoring results

R&D Incentive Systems	RIS3 projects			
	Projects		Eligible investment	
Collaborative R&D	91	21%	138 094 136	45%
Demonstrators	31	7%	12 101 329	4%
Individual R&D	172	39%	146 526 801	48%
R&D Internationalization	6	1%	524 402	0%
R&D centers	9	2%	4 506 658	1%
Mobilizing R&D Projects	1	0%	3 253 105	1%
Industrial Property	6	1%	523 785	0%
R&D Vouchers	127	29%	2 462 124	1%
Total [3=1+2]	443	100%	307 992 340	100%
NORTE 2020 [1]	272	61%	78 855 853	26%
COMPETE 2020 [2]	171	39%	229 136 487	74%

- The “Individual R&D” accounts for 39% of the number of projects followed by “R&D Vouchers” and “Collaborative R&D”. Regarding investment, the “Individual R&D” with 48% and “Collaborative R&D” with 45% are those with the **highest representation**.

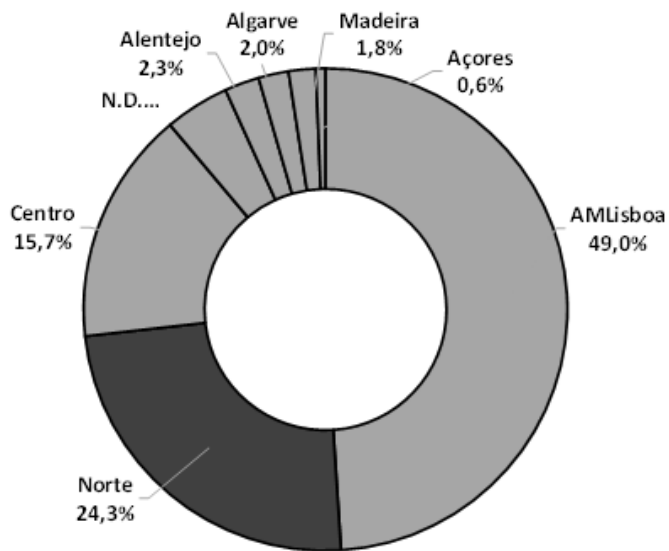
2. NORTE RIS3 monitoring results



- The **nuclear domains** are those with the highest representation in “Collaborative R&D” and “Technology demonstrator”. But the **emerging domain related to “Health and Life Sciences”** have a significant expression in “Collaborative R&D” and “R&D Internationalisation”. “**Human Capital and Specialized Services**” presents the highest level of investment in “R&D Internationalisation” and “Technology demonstrator”.

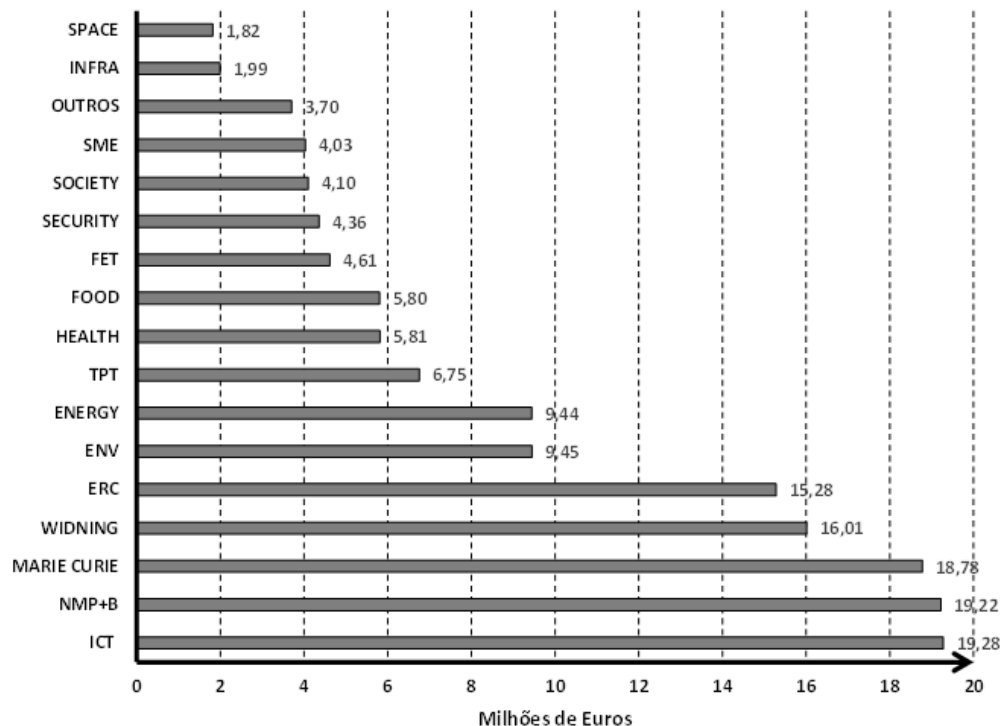
3. NORTE RIS3 and HORIZON 2020

Distribution of HORIZON 2020 funding among NUTS II regions



Source: H2020 dashboard consultation in 22/02/2019

Distribution of funding by HORIZON 2020 thematic areas in the Norte Region



- At the regional level, the Lisbon Metropolitan Area leads (1.059 participations), with around 49% of co-financing (304 million euros), followed by the **Norte Region**, with **519 participations and 150 million of co-financing (around 24% of the total)**.
- In Norte Region, the **first two areas with the most support (ICT and NMP+B) are strongly linked with NORTE RIS3**: (i) process innovations that underpin the rationale of various priority domains associated with industrial activity; and (ii) the Advanced Manufacturing Systems priority domain.

4. NORTE RIS3 and circular manufacturing

- *Despite the dematerialization of production processes and the relative importance of the service sector, **economic activity always faces, sooner or later, the limitation of physical resources.** On the other hand, this limitation is not always properly expressed in the price system, generating very important negative externalities.*
- ***The circular economy is no more than establishing a more efficient production and consumption process,** namely, using resources in a sustainably way by reducing, reusing, recovering and recycling materials and energy, allowing to overcome the physical limitation to growth the economic activities and reducing negative externalities.*
- *From this point of view, **this concept is present in the formulation of NORTE RIS3 in two dimensions:** (i) **process innovations that underpin the rationale of several priority domains associated with industrial activity;** (ii) **selecting the priority domain for advanced manufacturing systems.***
- *These dimensions are important, but undoubtedly **the circular economy paradigm will only become dominant in the productive processes when the technologies are integrated in the factors of production,** namely in the capital goods. In this context, the competitiveness of the Norte Region (as of other regions), will depend on the technological intensification capacity of its productive base, namely by boosting the industrial activity, in general, and the equipment industry, in particular.*

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