

# United Nations/Brazil Symposium on Basic Space Technology "Creating Novel Opportunities with Small Satellite Space Missions" Natal, Brazil, 11 - 14 September 2018

## SATELLITE RESEARCH IN BRAZIL

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### Introduction

This research evaluates the research developed in Brazil related to development of satellite technology.

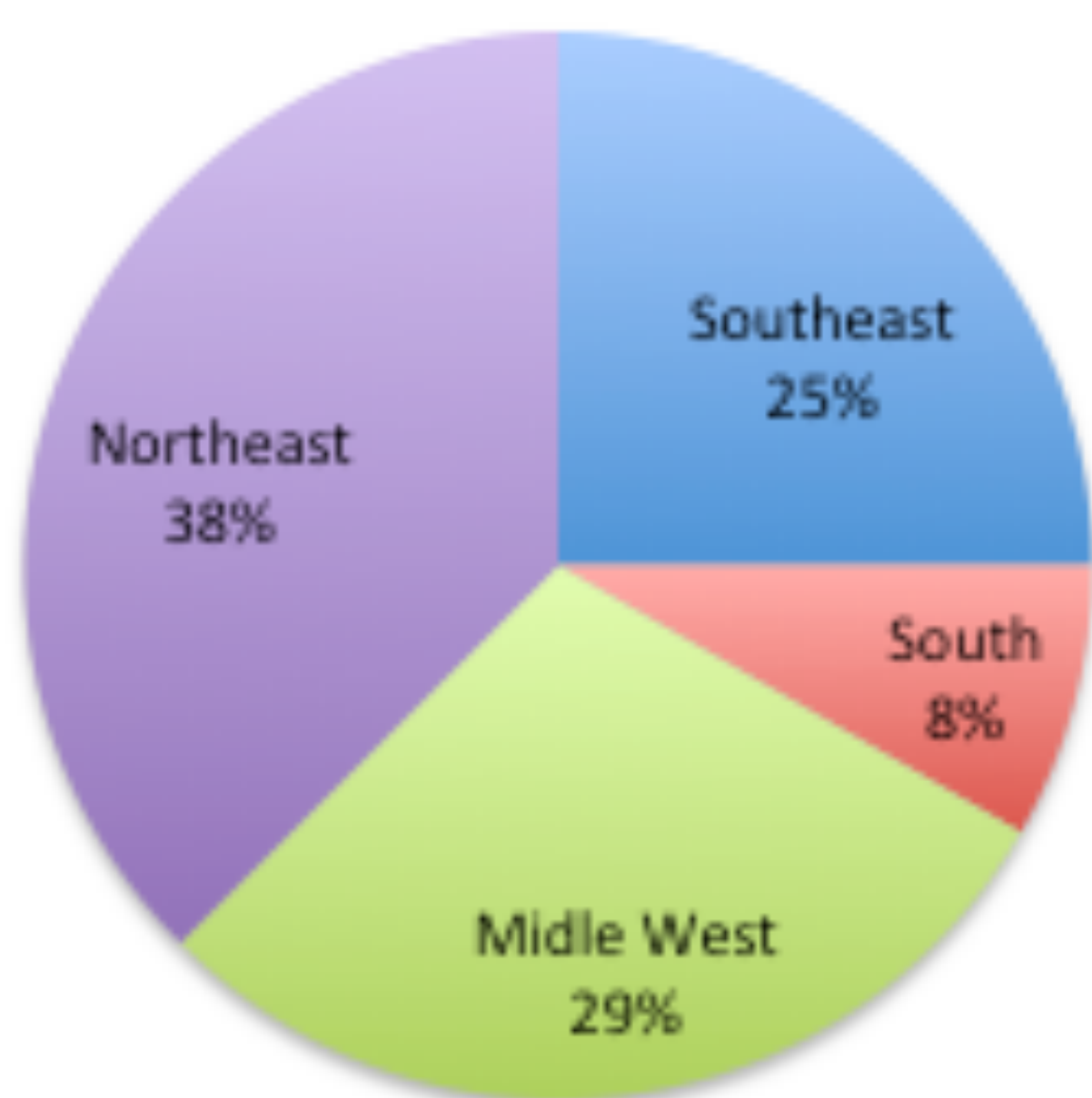
### Methodology

The research was developed consulting the database Plataforma Lattes (<http://lattes.cnpq.br>), visiting websites of Brazilian Universities and consulting specialists.

For the development of the research about satellite Technologies based in Brazil was considered the papers and the posters presented during the Symposium on Basic Space Technology "Creating Novel Opportunities with Small Satellite Space Missions" The Symposium it is a good sample about what kind of satellite Technologies are been developed in Brazil recently. The symposium is a good and update source of qualified information.

### Results

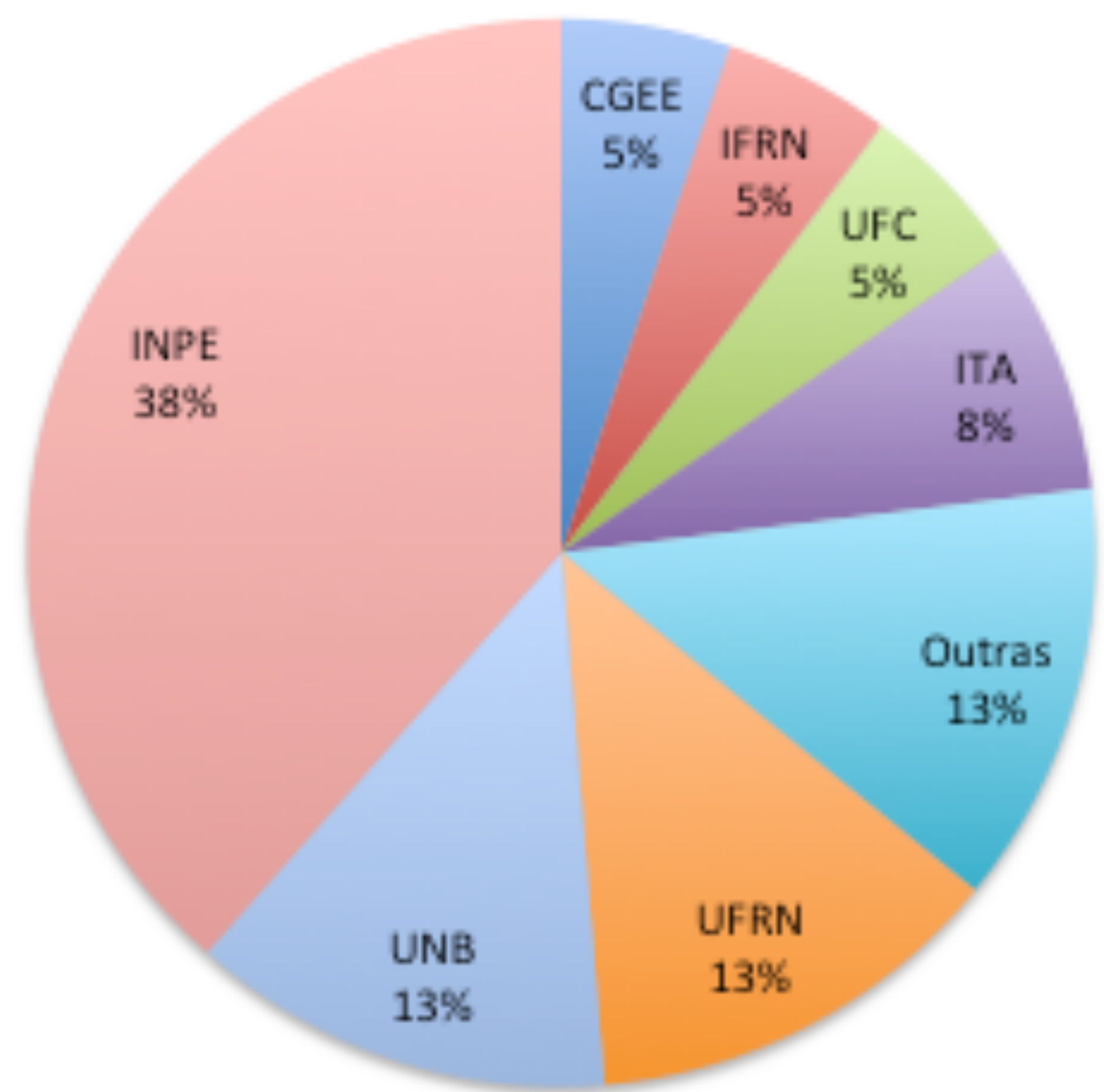
In the next Graph is presented an analysis of the main regions producing knowledge related to satellites in Brazil.



Graph 1: Main regions producers of space/satellites knowledges

Analysing the list of UNNOSA event posters, it is possible identify that 46% (31 papers) were developed by Brazilian researchers.

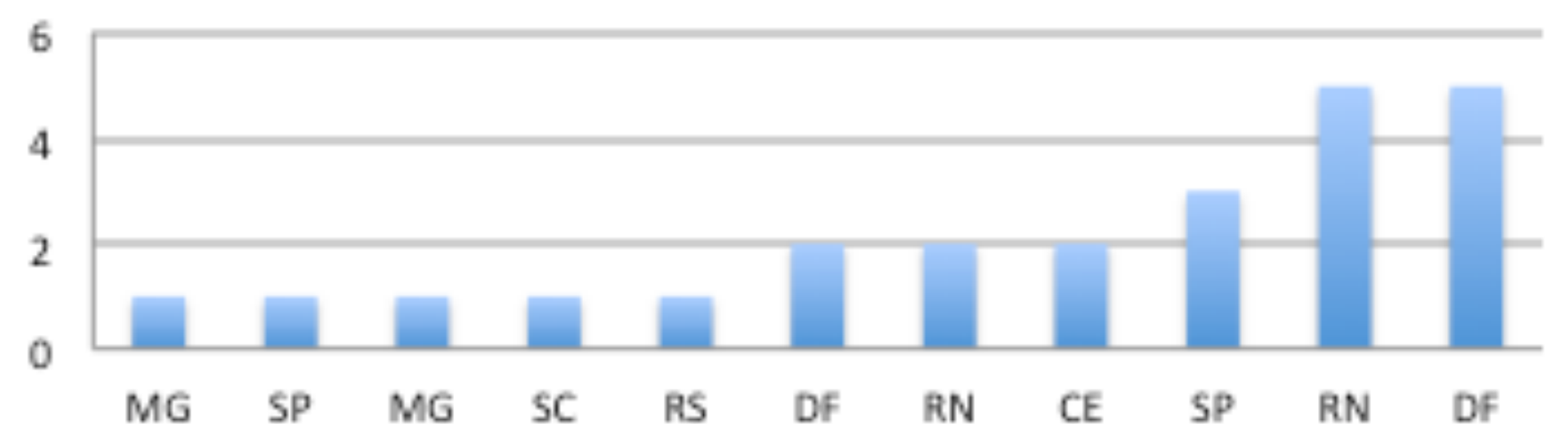
In the next Figure is showed an analysis about main academic and government research organizations developing research related to Satellites.



Graph 2: Institutions presenting research during UNOOSA event

INPE was identified as an important institution to Brazilian satellite research. In universities, actions had been developed to encourage students be interested to satellite's R&D. INPE had also offered postgraduate courses related to Geophysics, Meteorology, Remote Sensing, Space Engineering and Technology, Astrophysics, Applied Computation and Earth System Science.

The next Graph shows the main institutions researching satellite's technology. In this graph not was considered INPE, because is based in more than 1 state.



Graph 3: Presentations by institutions during UNOOSA event

### Conclusion

It is considered very auspicious happens in Natal, the city of this author, the UNNOSA event. The event collaborates for many scholars presents their satellite's studies. It is recognizable identify Rio Grande do Norte State (RN) very representative in terms of research developed locally. In this specific state can be seen research done by UFRN and IFRN.