



The 5th International Workshop on UI GreenMetric
Cork, Ireland, 14-16 April 2019



Universidad Nacional de Colombia a Multicity-Multicampuses University

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- Colombia is a diverse and complex country; the *Universidad Nacional de Colombia* its biggest public university is a reflection of that.
 - Founded in 1867, now we have more than 53,000 students and 9,000 professors and staff.
 - The Environmental Management System of the university has a presence in the nine cities-branches and their 43 campuses.
 - to increase our ecological potential
 - supervising the use of resources
 - solving waste problems
 - and defining environmental policies under the regulation and goals that rule our academy
- guided by the UN Sustainable Development Goals and the UI GreenMetric ranking results

Colombia

Located in the Northwest corner of South America:

1,141,748 Km² continental territory (55%)

928,660 Km² marine area (45%)

2,070,408 Km² total area

Land and sea in the Equatorial fringe plus the presence of the Andes mountain are fundamental elements that define our natural environment system.

Diversity and complexity in geological, geographic, edaphic, climatic, biological, ecosystemic, ethnic, cultural and socioeconomic topics.



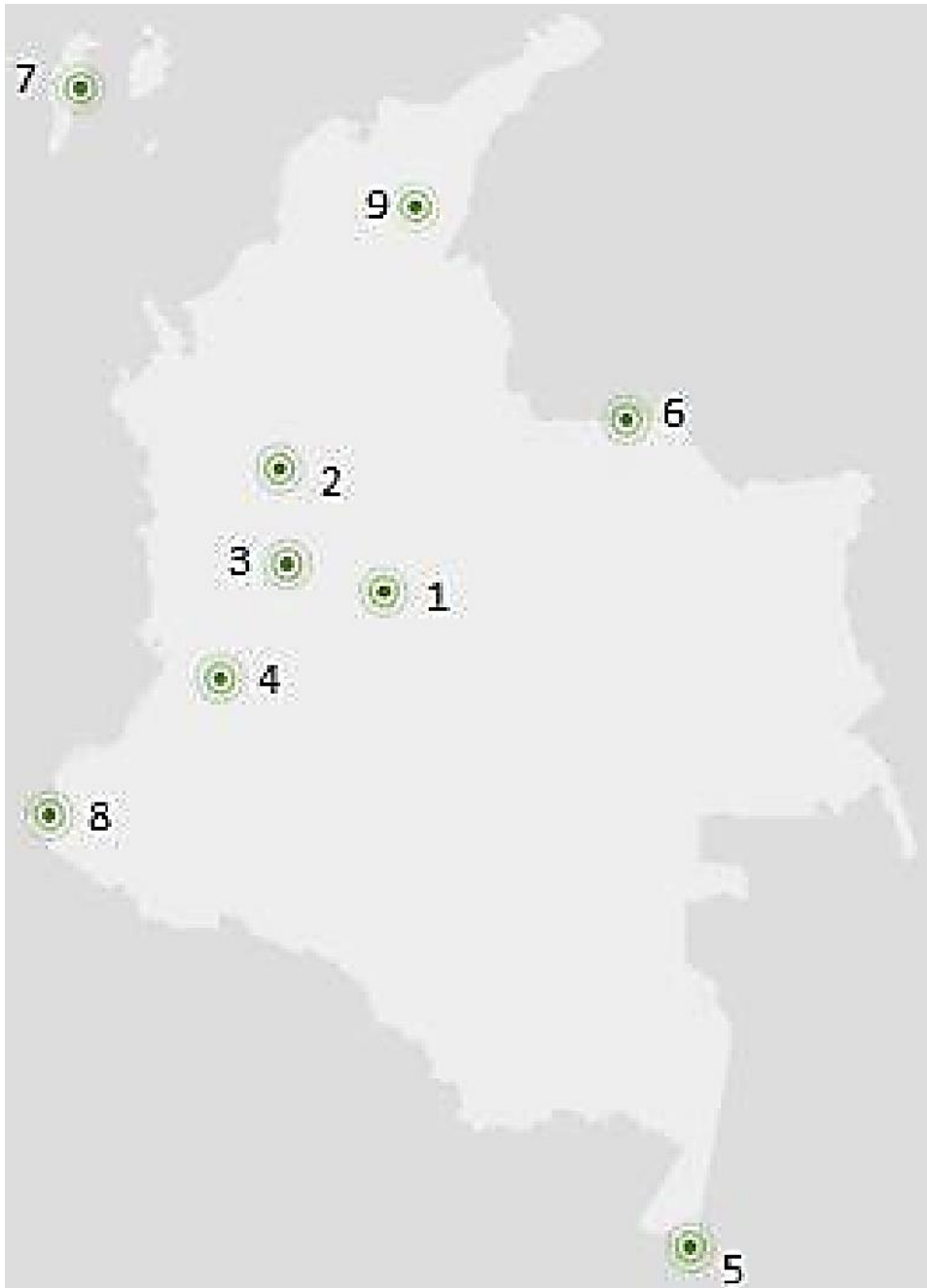
Colombia

Variety and intricacy divided in geographic areas:

- Andina: mountainous - humid/dry
- Caribe: flat and mountainous to ocean - dry
- Orinoquia: flat savannahs to Venezuela - humid/dry
- Amazonas: flat jungle to Brazil and Peru - humid
- Pacifico: very humid jungle strip next to ocean

The Universidad Nacional de Colombia has a presence in all Colombian regions.





Universidad Nacional de Colombia branches

N°	Geographic region	City or town	Branch name	Description
1	Andina	Bogotá	Bogotá	Headquarters, first and biggest branch in the Colombian capital
2	Andina	Medellin	Medellin	Second location in size in the 2° Colombian city
3	Andina	Manizales	Manizales	Third branch located on the Colombian coffee region
4	Andina	Palmira	Palmira	Fourth branch close to Cali, the 3° Colombian city
5	Amazonas	Leticia	Amazonia	Close to Brazil and Peru borders on the Amazon river
6	Orinoquia	Arauca	Orinoquia	In proximity to Venezuelan border on the Arauca river
7	Caribe	San Andrés	Caribe	In the Caribbean island of San Andrés close to Nicaraguan border
8	Pacifico	Tumaco	Tumaco	In the Colombian Pacific coast close to Ecuador
9	Caribe	La Paz	La Paz	The newest campus close to the city of Valledupar

But the size of these university branches vary from huge to... huge

N°	Branch name	Number of campuses	Campuses, buildings, houses, stations, farms, plots etc.
1	Bogotá	15	<ul style="list-style-type: none"> ● University city or “White city” (main campus) ● Uriel Gutierrez and Camilo Torres buildings ● University hospital “Clinic Santa Rosa de Lima” ● San Agustín cloister ● National Astronomical Observatory ● Jorge Eliecer Gaitán house museum and offices houses ● National exploratory building ● Training and conventions centre ● Las Nieves building bookstore ● El cable hill radio transmitter ● Marengo agricultural centre ● Roberto Franco Tropical biology station (Villavicencio city) ● Paleontological museum (Villa de Leyva town)



University city or “White city” (main campus)



San Agustín cloister



Marengo agricultural centre



University hospital



National Astronomical Observatory

But the size of these university branches vary from huge to... huge

N°	Branch name	Number of campuses	Campuses, buildings, houses, stations, farms, plots etc.
2	Medellin	14	<ul style="list-style-type: none"> ● El Volador (main campus) ● El Río campus ● Robledo campus ● Ingeominas and school/kinder garden buildings ● El Volador hill ● Paysandú agricultural station ● San Pablo, Cotové and Piedras Blancas farms and forest station ● Corralitos, Santa Rita, Montealvernia and La Esperanza plots



El Volador (main campus)



Robledo campus



San Pablo farm



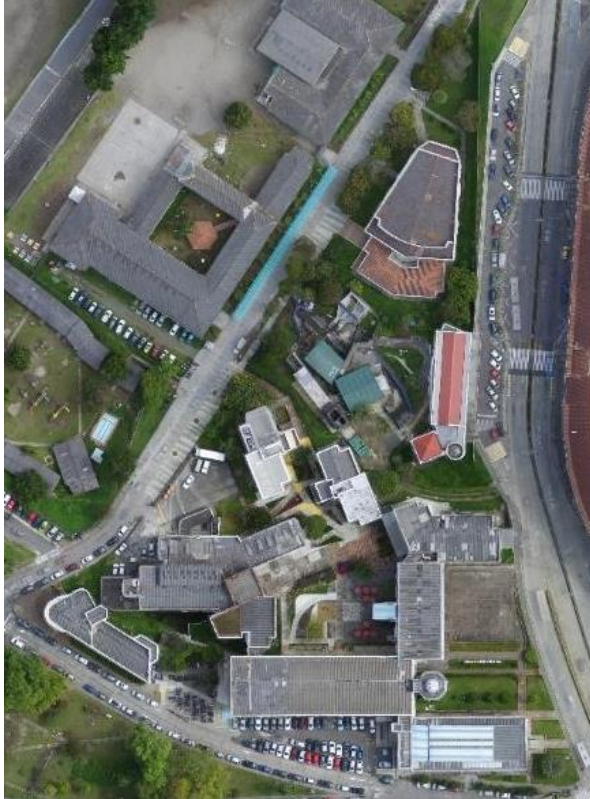
Cotové farm



Paysandú agricultural station

But the size of these university branches vary from huge to... medium

N°	Branch name	Number of campuses	Campuses, buildings, houses, stations, farms, plots etc.
3	Manizales	3	<ul style="list-style-type: none"> ● Palogrande (main campus) ● El Cable campus ● La Nubia campus
4	Palmira	5	<ul style="list-style-type: none"> ● Palmira (main campus) ● Mario González Aranda agriculture and livestock laboratory ● The Experimental Centre ● Yotoco National Forest Reserve ● Sabaletas plot



Palogrande (main campus)
Manizales



El Cable campus - Manizales



La Nubia campus - Manizales



Palmira (main campus)



Yotoco National Forest Reserve

But the size of these university branches vary from huge to... small

N°	Branch name	Number of campuses	Campuses, buildings, houses, stations, farms, plots etc.
5	Amazonia	1	● Amazonia campus
6	Orinoquia	1	● Orinoquia campus
7	Caribe	2	● Caribe campus ● Botanic Garden
8	Tumaco	1	● Tumaco campus
9	La Paz	1	The most recently-added campus is excluded here because it is in its starting activities.



Amazonia campus



Caribe campus



Orinoquia campus



Tumaco campus

In 2018 the *Universidad Nacional de Colombia* got the 51st position in UI GreenMetric between 719 participants (total score: 7275 points), being the fourth (4^o) in South America amid 79 participants and second (2^o) in Colombia among 37 participants.

It is a very good global upgrade considering the previous 2017 (69st between 619 participants).

Improvement showed in efforts to be sustainable, guided by the environmental policy emanated by The Superior Council (highest university authority). Mandatory regulation applied to all those in teaching, research, consultancy and management activities of the academy.

ACUERDO 016 DE 2011

(Acta 08 del 18 de octubre)

"Por el cual se establece la Política Ambiental de la Universidad Nacional de Colombia"

EL CONSEJO SUPERIOR UNIVERSITARIO

Ranking		Setting and Infrastructure	Energy and Climate Change	Waste	Water	Transportation	Education and Research
Scores	7275	1225	950	1425	525	1500	1650
World	51th	42°	311°	74°	212°	21°	16°
South America	4th	6° - 7°	32° - 33°	5° - 7°	21° - 22°	2° - 3°	1°
Colombia	2th	3°	17° - 18°	4°	14° - 15°	2° - 3°	1°

Conclusions

- Promote the environmental sustainability of *Universidad Nacional de Colombia* campuses in compliance with the Sustainable Development Goals of the UNDP and UI GreenMetric items.
- Strengthen the environmental dimension in all the institutional work from the missional axis teaching, research and consultancy, to the strategic processes and management support.
- But it is more important to socialize and engage with these environmental issues in collaboration with the Colombian government that rules the academy and pushes the direction of the university to promote green policies.

Conclusions

- To advance in our performance, it is important to work mainly in **water and energy and climate change**, our lowest scores in UI GreenMetric.
- We need to improve our information systems where it is difficult to distinguish the environmental items (budgets, investments, courses, research and consultancy projects).
- It is important to define in a better way some indicators; there are ambiguities or interpretations of subjects that end with possible mistakes (p.e. green areas...).
- At the end will be necessary to adapt some UI GreenMetric indicators for big universities (different places in diverse locations – “multicity - multicampuses”).
- ... and even differentiate between private and public universities !!!



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Thanks !!!

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