

This certificate is awarded to  
**Juraj Dobrila University of Pula**  
as The 637<sup>th</sup> World's Most Sustainable University  
Jakarta, 19 Desember 2018



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Prof. Dr. Ir. Muhammad Anis, M.Met  
Rector Universitas Indonesia



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Prof. Riri Fitri Sari, M.M., M.Sc  
Chairperson of UI GreenMetric



# Fact File 2018

**Juraj Dobrila University of Pula**

**CROATIA**

**Zagrebacka 30, 52100 Pula, HRVATSKA Croatia**

# UNIVERSITY PROFILE

Name : Juraj Dobrila University of Pula

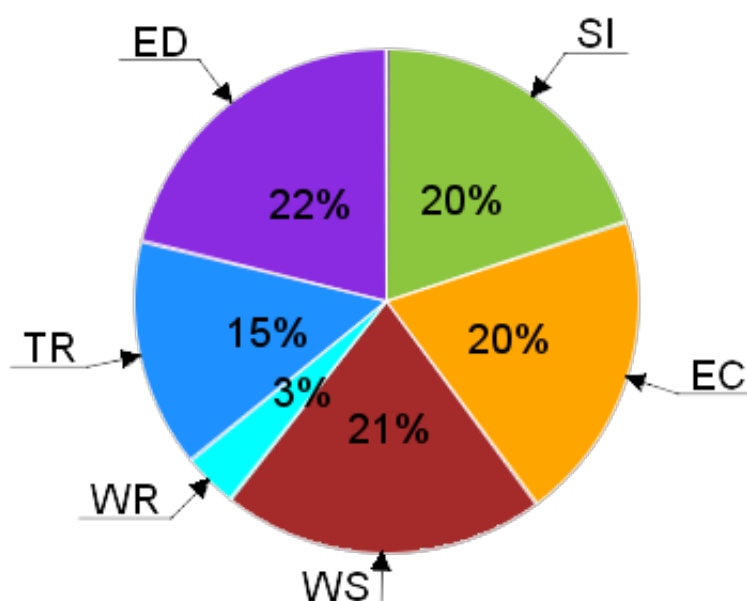
Established : 2018

Country : Croatia



## VERIFIED DATA

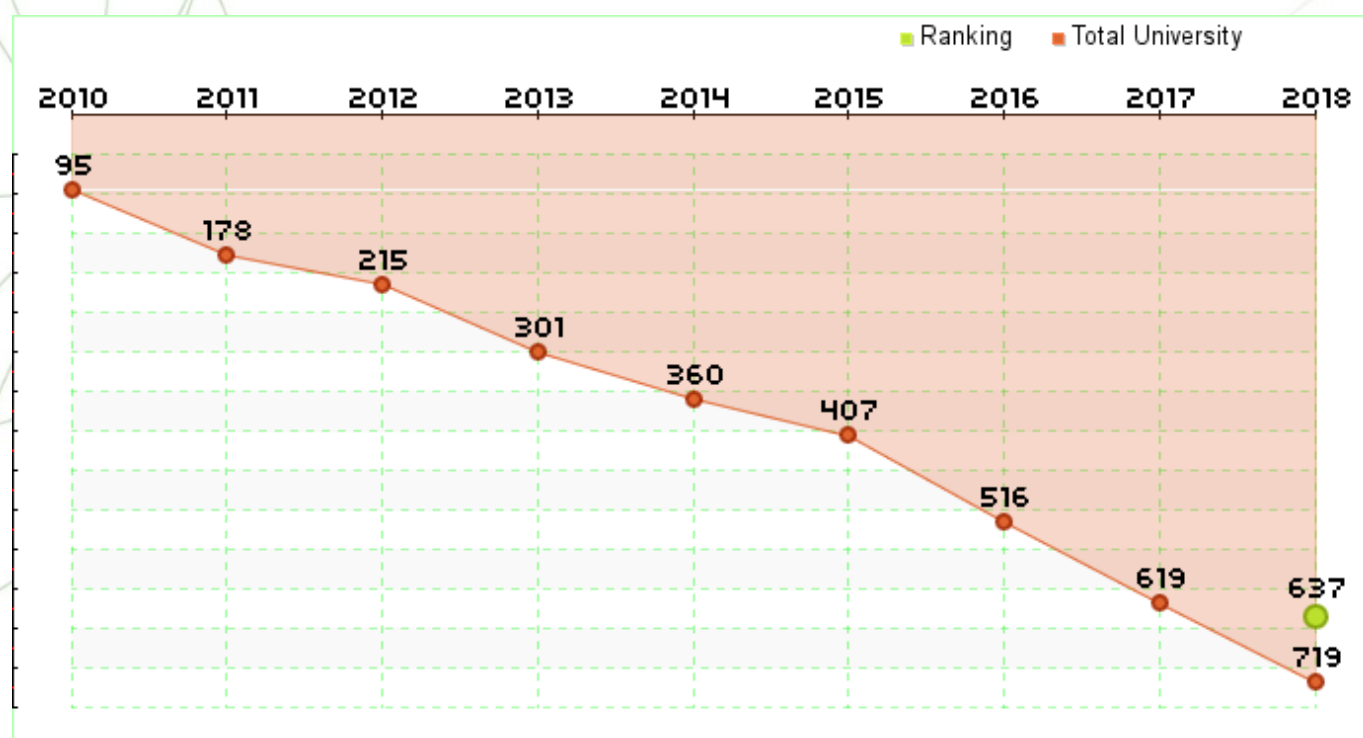
| Category                        | Point        | Maximum Point | Percentage     |
|---------------------------------|--------------|---------------|----------------|
| Setting and Infrastructure (SI) | 575          | 1500          | 38.33 %        |
| Energy and Climate Change (EC)  | 575          | 2100          | 27.38 %        |
| Waste (WS)                      | 600          | 1800          | 33.33 %        |
| Water (WR)                      | 100          | 1000          | 10.00 %        |
| Transportation (TR)             | 425          | 1800          | 23.61 %        |
| Education (ED)                  | 625          | 1800          | 34.72 %        |
| <b>Total Score</b>              | <b>2,900</b> | <b>10000</b>  | <b>29.00 %</b> |



## Result Summary

|                      |                   |                   |                   |
|----------------------|-------------------|-------------------|-------------------|
| <b>World Ranking</b> | <b>SI Ranking</b> | <b>EC Ranking</b> | <b>WS Ranking</b> |
| <b>637</b>           | <b>571</b>        | <b>624</b>        | <b>536</b>        |
|                      | <b>WR Ranking</b> | <b>TR Ranking</b> | <b>ED Ranking</b> |
|                      | <b>659</b>        | <b>655</b>        | <b>599</b>        |

## World Rankings History



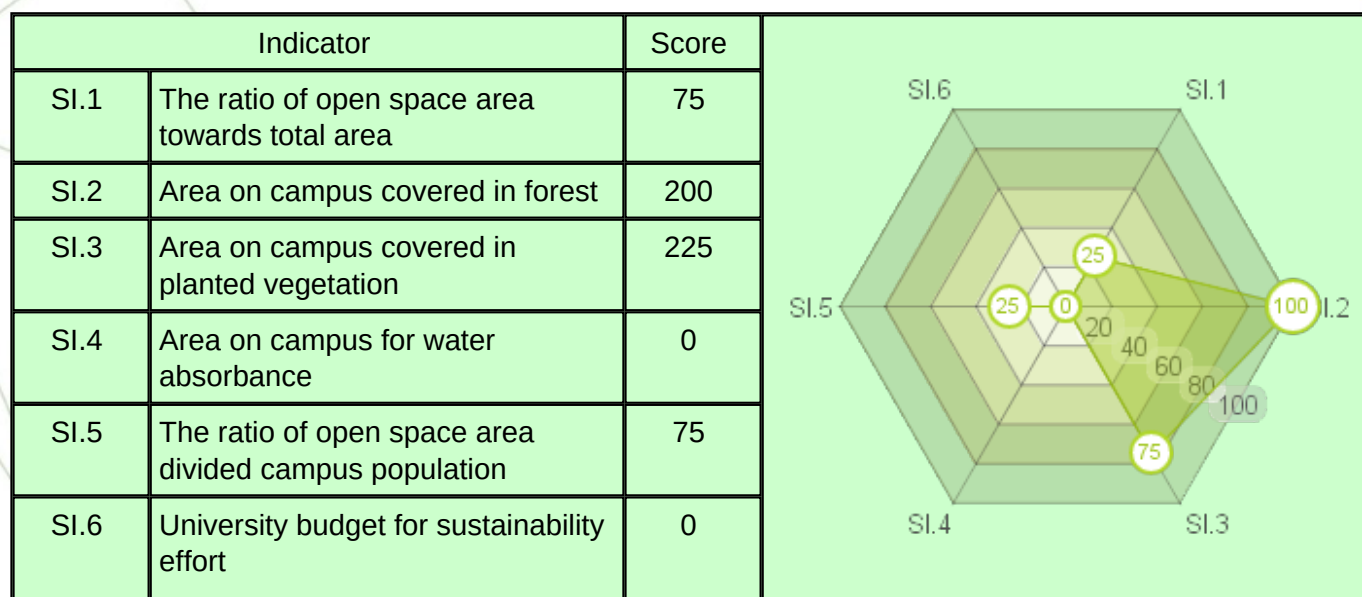
## Ranking in Croatia

|                        |                   |                   |                   |
|------------------------|-------------------|-------------------|-------------------|
| <b>Country Ranking</b> | <b>SI Ranking</b> | <b>EC Ranking</b> | <b>WS Ranking</b> |
| <b>1</b>               | <b>1</b>          | <b>1</b>          | <b>1</b>          |
|                        | <b>WR Ranking</b> | <b>TR Ranking</b> | <b>ED Ranking</b> |
|                        | <b>1</b>          | <b>1</b>          | <b>1</b>          |

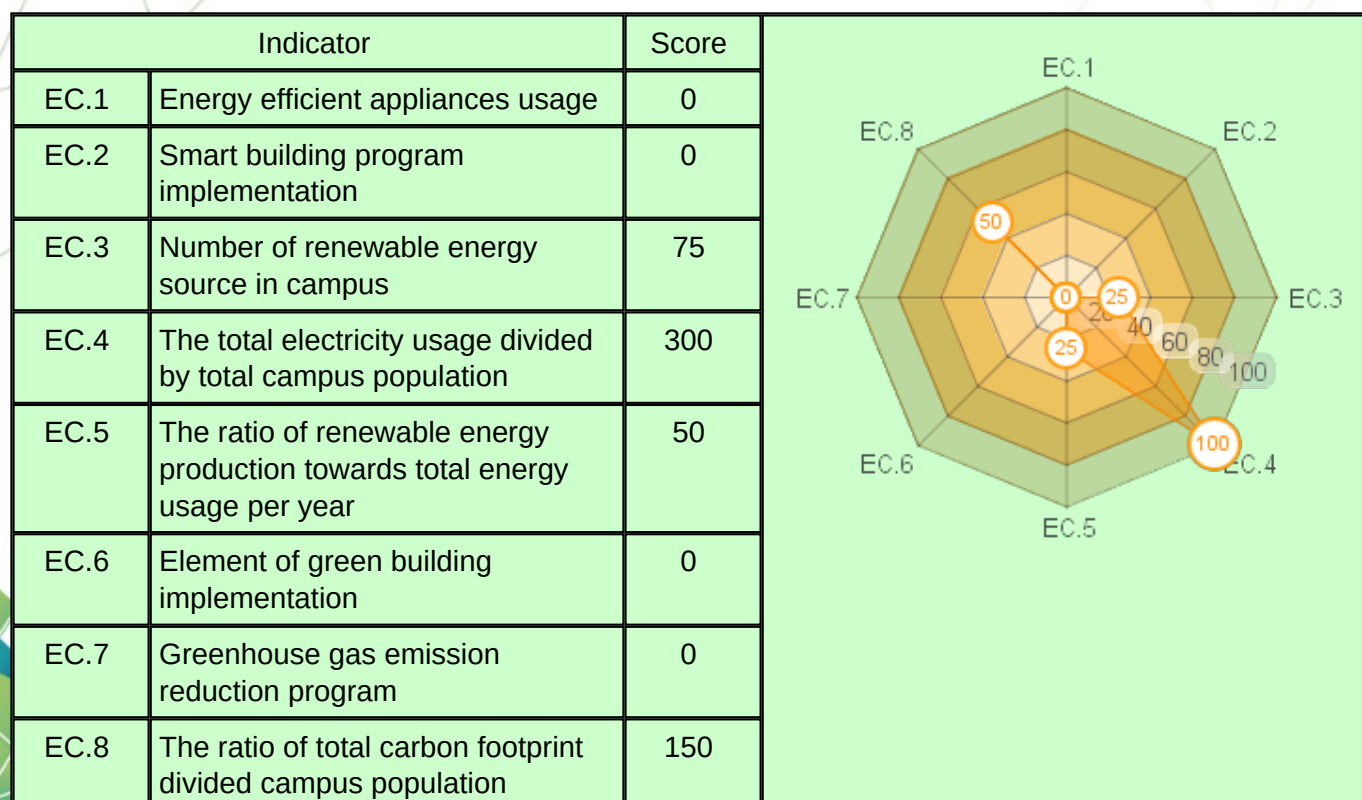


## Result Detail

### Setting and Infrastructure

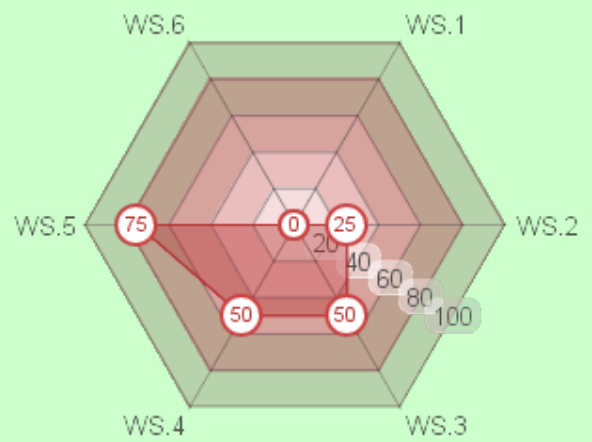


### Energy and Climate Change



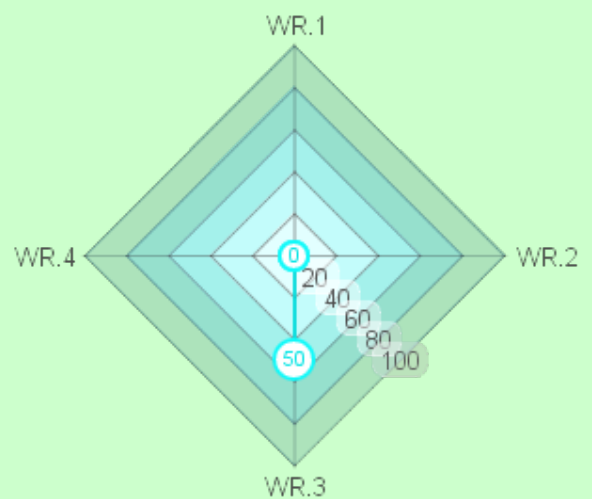
## Waste

| Indicator |                                                          | Score |
|-----------|----------------------------------------------------------|-------|
| WS.1      | Recycling program for university waste                   | 0     |
| WS.2      | Program to reduce the use of paper and plastic in campus | 75    |
| WS.3      | Organic waste treatment                                  | 150   |
| WS.4      | Inorganic waste treatment                                | 150   |
| WS.5      | Toxic waste treatment                                    | 225   |
| WS.6      | Sewerage disposal                                        | 0     |



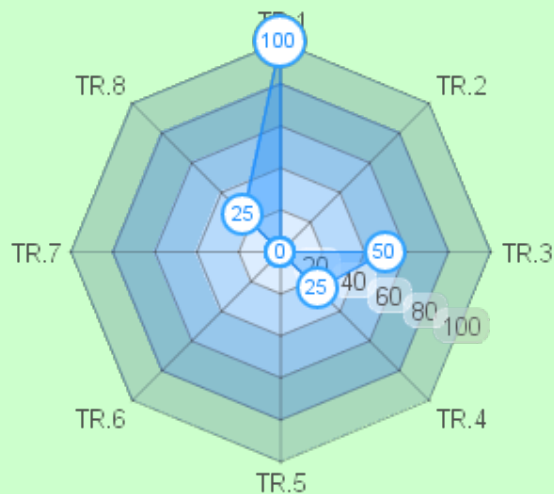
## Water

| Indicator |                                       | Score |
|-----------|---------------------------------------|-------|
| WR.1      | Water conservation program            | 0     |
| WR.2      | Water recycling program               | 0     |
| WR.3      | The use of water efficient appliances | 100   |
| WR.4      | Piped water consumed                  | 0     |



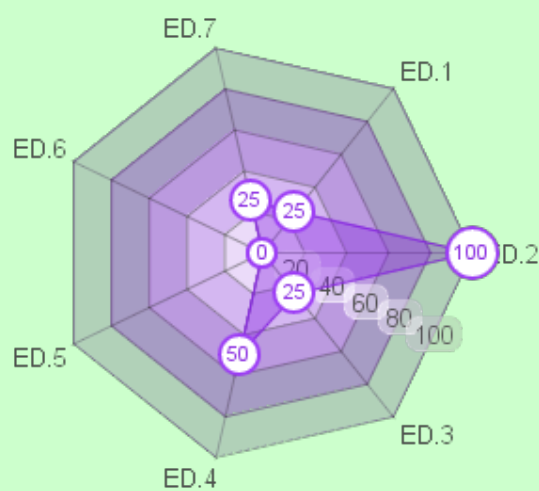
## Transportation

| Indicator |                                                                                                      | Score |
|-----------|------------------------------------------------------------------------------------------------------|-------|
| TR.1      | The ratio of total vehicles (cars and motorcycles) divided by total campus population                | 200   |
| TR.2      | Shuttle services                                                                                     | 0     |
| TR.3      | Zero Emission Vehicles (ZEV) policy on campus                                                        | 100   |
| TR.4      | The ratio of Zero Emission Vehicles (ZEV) divided by total campus population                         | 50    |
| TR.5      | Ratio of parking area to total campus area                                                           | 0     |
| TR.6      | Transportation program designed to limit or decrease the parking area on campus for the last 3 years | 0     |
| TR.7      | Number of transportation initiatives to decrease private vehicles on campus                          | 0     |
| TR.8      | Pedestrian policy on campus                                                                          | 75    |



## Education

| Indicator |                                                                             | Score |
|-----------|-----------------------------------------------------------------------------|-------|
| ED.1      | The ratio of sustainability courses towards total courses/modules           | 75    |
| ED.2      | The ratio of sustainability research funding towards total research funding | 300   |
| ED.3      | Sustainability publications                                                 | 75    |
| ED.4      | Sustainability events                                                       | 150   |
| ED.5      | Sustainability student organizations                                        | 0     |
| ED.6      | Sustainability websites                                                     | 0     |
| ED.7      | Sustainability report                                                       | 25    |



# UI GreenMetric World University

## Rankings

### About UI GreenMetric

UI GreenMetric World University Rankings is an annual publication of university rankings by UI GreenMetric. UI GreenMetric World University Rankings is a program from University of Indonesia that rank universities by their commitment and action towards going green and environmental sustainability. UI GreenMetric World University Rankings aims to increase awareness in universities towards sustainability.

### History

In 2009 University of Indonesia hosted an International Conference on World University Rankings. The conference attended by World University rankers such as Webometrics, HEEACT, and others. In 2010, Prof. Dr. Gumilar Rusliwa Somantri as Rector of University of Indonesia at that time initiated UI GreenMetric World University Rankings and appointed Prof. Riri Fitri Sari as the chairperson. Soon a team consisting of Junaidi, Budi Hartono, Allan Lauder, and Prof. Prof. Ir. Gunawan Tjahjono formulated UIGM Questionnaire and introduced UI Ranking to the world. In 2011, it added 11 new indicators in 5 categories and Education as category in 2012. By the year 2015, a massive improvement was introduced including carbon footprint and a more systematic data collection. UIGM took Policy into Action in 2016, Global Partnership for Sustainable Future in 2017 and Universities, Impacts, and Sustainable Development Goals (SDGs) in 2018 as its annual themes. To reach and coordinate more participating universities, UI GWURN was established in 2017 with a national coordinator in each country. To date, 719 universities from 81 countries participate in the rankings.

Since its establishment in 2010, it has been increasingly recognized as the first and only universities ranking on sustainability and has been used by participating universities to benchmark and do continuous improvement in the area of sustainability. As a member of IREG, more activities and collaboration among participating universities are expected to achieve our common goal: sustainable university for sustainable future.

UI GreenMetric developed its own ranking system by studying other ranking systems such as: The Times Higher Education World University Rankings (THE) sponsored by Thompson Reuters, the QS World University Rankings, the Academic Ranking of World Universities (ARWU) published by Shanghai Jiao Tong University (SJTU), and the Webometrics Ranking of World Universities (Webometrics), published by Cybermetrics Lab, CINDOC-CSIC in Spain.

### UI GreenMetric Rankings TIMELINE

|             |                                                            |
|-------------|------------------------------------------------------------|
| <b>2010</b> | UI GreenMetric published for 95 Universities               |
| <b>2011</b> | UI GreenMetric added 11 new indicators within 5 categories |
| <b>2012</b> | Education became one of the categories                     |
| <b>2015</b> | Introducing Carbon Footprint and factfile document         |
| <b>2016</b> | Focusing on university action towards sustainability       |
| <b>2017</b> | UIGWURN established                                        |
| <b>2018</b> | Focusing on SDGs and enlargement of memberships            |

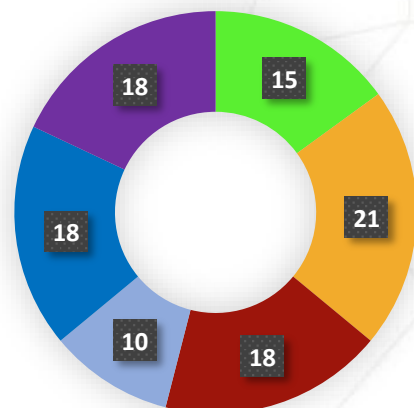
### Methodology

UI GreenMetric collect data through online questionnaire. All participant answered same question for some period of time. After questionnaire close, UI GreenMetric expert member validate the answer based on evidence that participant provide.

This year's categories and weighting of points are shown as follows.

Table 1 Categories used in the ranking and their weighting

| No | Category                        | Percentage of Total Points (%) |
|----|---------------------------------|--------------------------------|
| 1  | Setting and Infrastructure (SI) | 15                             |
| 2  | Energy and Climate Change (EC)  | 21                             |
| 3  | Waste (WS)                      | 18                             |
| 4  | Water (WR)                      | 10                             |
| 5  | Transportation (TR)             | 18                             |
| 6  | Education (ED)                  | 18                             |
|    | <b>TOTAL</b>                    | <b>100</b>                     |



The specific indicators and their points awarded are shown in Table 2. Each indicator has been uniquely identified by a category code and a number (e.g. SI 5).



Table 2 Indicators and categories

| No       | Categories and Indicators                                                                                                | Points      | Weighting  |
|----------|--------------------------------------------------------------------------------------------------------------------------|-------------|------------|
| <b>1</b> | <b>Setting and Infrastructure (SI)</b>                                                                                   |             | <b>15%</b> |
| SI 1     | The ratio of open space area towards total area                                                                          | 300         |            |
| SI 2     | Area on campus covered in forest                                                                                         | 200         |            |
| SI 3     | Area on campus covered in planted vegetation                                                                             | 300         |            |
| SI 4     | Area on campus for water absorbance                                                                                      | 200         |            |
| SI 5     | The ratio of open space area divided campus population                                                                   | 300         |            |
| SI 6     | University budget for sustainability effort                                                                              | 200         |            |
|          | <b>Total</b>                                                                                                             | <b>1500</b> |            |
|          | <b>Energy and Climate Change (EC)</b>                                                                                    |             | <b>21%</b> |
| EC 1     | Energy efficient appliances usage                                                                                        | 200         |            |
| EC 2     | Smart building program implementation                                                                                    | 300         |            |
| EC 3     | Number of renewable energy source in campus                                                                              | 300         |            |
| EC 4     | The total electricity usage divided by total campus population                                                           | 300         |            |
| EC 5     | The ratio of renewable energy production towards total energy usage per year                                             | 200         |            |
| EC 6     | Element of green building implementation                                                                                 | 300         |            |
| EC 7     | Greenhouse gas emission reduction program                                                                                | 200         |            |
| EC 8     | The ratio of total carbon footprint divided campus population                                                            | 300         |            |
|          | <b>Total</b>                                                                                                             | <b>2100</b> |            |
|          | <b>Waste (WS)</b>                                                                                                        |             | <b>18%</b> |
| WS 1     | Recycling program for university waste                                                                                   | 300         |            |
| WS 2     | Program to reduce the use of paper and plastic in campus                                                                 | 300         |            |
| WS 3     | Organic waste treatment                                                                                                  | 300         |            |
| WS 4     | Inorganic waste treatment                                                                                                | 300         |            |
| WS 5     | Toxic waste treatment                                                                                                    | 300         |            |
| WS 6     | Sewerage disposal                                                                                                        | 300         |            |
|          | <b>Total</b>                                                                                                             | <b>1800</b> |            |
|          | <b>Water (WR)</b>                                                                                                        |             | <b>10%</b> |
| WR 1     | Water conservation program                                                                                               | 300         |            |
| WR 2     | Water recycling program                                                                                                  | 300         |            |
| WR 3     | The use of water efficient appliances                                                                                    | 200         |            |
| WR 4     | Piped water consumed                                                                                                     | 200         |            |
|          | <b>Total</b>                                                                                                             | <b>1000</b> |            |
|          | <b>Transportation (TR)</b>                                                                                               |             | <b>18%</b> |
| TR 1     | The ratio of total vehicles (cars and motorcycles) divided by total campus population                                    | 200         |            |
| TR 2     | Shuttle services                                                                                                         | 200         |            |
| TR 3     | Zero Emission Vehicles (ZEV) policy on campus                                                                            | 200         |            |
| TR 4     | The ratio of Zero Emission Vehicles (ZEV) divided by total campus population                                             | 200         |            |
| TR 5     | Ratio of parking area to total campus area                                                                               | 200         |            |
| TR 6     | Transportation program designed to limit or decrease the parking area on campus for the last 3 years (from 2015 to 2017) | 200         |            |
| TR 7     | Number of transportation initiatives to decrease private vehicles on campus                                              | 300         |            |
| TR 8     | Pedestrian policy on campus                                                                                              | 300         |            |
|          | <b>Total</b>                                                                                                             | <b>1800</b> |            |

|          |                                                                             |              |            |
|----------|-----------------------------------------------------------------------------|--------------|------------|
| <b>6</b> | <b>Education (ED)</b>                                                       |              | <b>18%</b> |
| ED 1     | The ratio of sustainability courses towards total courses/subjects          | 300          |            |
| ED 2     | The ratio of sustainability research funding towards total research funding | 300          |            |
| ED 3     | Sustainability publications                                                 | 300          |            |
| ED 4     | Sustainability events                                                       | 300          |            |
| ED 5     | Sustainability student organizations                                        | 300          |            |
| ED 6     | Sustainability website                                                      | 200          |            |
| ED 7     | Sustainability report                                                       | 100          |            |
|          | <b>Total</b>                                                                | <b>1800</b>  |            |
|          | <b>TOTAL</b>                                                                | <b>10000</b> |            |

If you have questions or suggestions about this report, please contact



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