**CLEANSTONE**

**MINUTES**

for

**WP 3 Meeting**

Date: 14.10.2021 from 15:00 – 16:15

Location: online via MS Teams

***Participants:***

-CUAS: Medrano Maria

-E.C.O.: Tobias Köstl  
- Udine University: Cristian Marchioli, alessio Roccon

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| **Keyword** | **Content** | **Editor** |
| WP3 Development of innovative protocols to reduce the environmental impact of stone processing waste. | UNI UDINE   * Spread of the sands : simulation of the spread of sands with CALPUFF/CALMET program * Uni Udine explains all the simulation plan for the Emissions in the air in the surrounding areas of the quarries * USGS Global was used to define the domain. The land usages were categorized to analyze the spread of the sands. They put in all of this information to run the simulation * Collection of Data input of meteorogical weather conditions in the area of the quarry to simulate the cloud of powder with the program– temperature, humidity, wind frequency and direction, precipitations, cloud cover- from the rivolto military airport/ ARPA station from cividale friul * Geography and weather data was input in WRF pre processing system in a domain of 200km, this region is extended from the south of Austria to the north of Italy * The simulation period is 1 year * They obtained the amount of clouds for the entire year in the domain area in order to calculate the emissions and the concentration of particles on the air. Depending on the particle size of them they can compute the way of dispersion of the puff cloud with CALMET/CALPUFF * They can track the cloud of powder during the year every hour   E.C.O.   * Explanation of their tasks of assessment of the diversity of the surrounding area of the quarries using LBA Index tool on vegetation and fauna |  |
| General |  |  |

