



NEWSLETTER

LIFE AFTER M.Sc. WASTE - Alumni WIM 2019

In life, a person has to go through many phases. Beginning with childhood, a person experiences life from different points of view in different institutions. Though in most cases these institutions are only supposed to be the means to obtain a degree, with the journey towards that goal, everyone goes through a variety of experiences that shape their later life in various ways. Our M.Sc. WASTE course is such an experience for all of the students, present and past, it is going to influence different aspects of our life after our completion of this Master Program. However, not knowing how this is going to affect our future life and in which way studying the M.Sc. WASTE can help us achieve our goals was scaring for all of us. In order to remedy that, a M.Sc. WASTE intercultural meeting (WIM), where our respected Alumni shared their experiences of "Life after M.Sc. WASTE", was arranged on 28th June 2019 at the IFK.

Seven Alumni spoke about different aspects and experiences that they had to go through after their graduation. The most important focus of that period after graduation is to decide how to move forward with everything that has been learned. Our first speaker, Mr. Fernando Acuña, who is from Generation 2011, chose a professional corporate life and is currently working at the EControl Glas gmbh, Halliburton in the field of Gas Cleaning and Plasma Systems (Air Quality Control). He is from Colombia and studied chemical engineering. The company he currently works at was founded in 2000 and now he

works with physical and chemical scrubbers, dry filters, and plasma torches. He has to be engaged from the beginning to the end until the delivery of the final product. To describe his personal experiences and difficulties during the job, he mentioned having to learn a lot of terminology on the job in German. He also had to learn the German way of working and communicating very quickly. It took him 9 months to find a job although 3 of those months he was working at the Fraunhofer Institute. In those 9 months, he sent 50 to 60 applications among which he got 8 to 10 interviews with 2 of them being second interview. His advice for the students was to learn the German language very well and understand the culture.

Mr. Acuña also suggested that going out of the campus, meeting people, joining clubs and overall networking is really important for future life. He also advised to be analytic while choosing the right place of living and working as only 15% of his colleagues ended up staying in Germany. He emphasised on having a German CV examined by someone who knows German really well. In addition, he mentioned that grades are also very relevant and he also included his bachelor's grade in the CV. At the end, he talked about one of the current focus of his present company which has been on the plastic pollution crisis. He informed us about different projects with other countries for getting pyrolysis of plastic and opportunities for a master's thesis or internships there.



Mr. Pavel Leonardo López (Gen. 2007) during Alumni WIM 2019
Picture by Nelson Rincón

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Freddy Mimiaga - Picture by Tianyunxin Guo

GETTING TO KNOW M.Sc. WASTE



Mr. Fernando Acuña (Gen. 2011) during Alumni WIM 2019
Picture by Nelson Rincón

Our second speaker, Mr. Pavel Leonardo Lopez, is currently pursuing his PhD in Belgium at KU Leuven. He is also from Colombia and in the beginning he started working for CarbonBW in Colombia. There were Germans who were looking to run environmental projects in the developing countries to reduce emissions globally in order to bring that sort of carbon credits back to Germany. The market for that approach crashed and he was then moved to Istanbul. There he worked on the extraction method to remove gases from landfills to create energy. This same project was his only work for 3 continuous years which he was tiring by the end.

He, therefore, decided to start a PhD to advance in his academic achievement. He started by searching in Germany but ended up finding one in Belgium. He is currently working on finding more sustainable concrete with reduced emissions. He informed that a PhD is generally 4 to 5 years and if you publish every chapter of your work, it is considered to be complete. Unless there are restrictions from the funding industries, generally all the works are published. He talked about his wish to work in the academia but he also wants to have industrial experience. This combination is generally absent in Colombia where he wants to spend his life. His future plan, therefore, is to start his own firm. For getting a PhD, his advice was to convince a professor and to have the right motivation and strategy. He wants every student to know that each of them is ready not because they know everything, but because they know where to look for and what questions to ask.

The third speaker, Mr. Hamidreza Sharifan, is also a PhD candidate and is currently at the Biological and Agricultural engineering at Texas A & M University. He is from Generation 2010 and had a lot of advice for the current students. His first recommendation was for the duration of M.Sc. WASTE study. He had to do a lot of work during his studies and he recommended to not work and concentrate on studies and grades if there is opportunity for that. During his studies, he worked with Professor Ingesser at ISWA. He wants everyone to realize the opportunity that they have and to work on that without comparing with others, classmate or anyone else. His advice is to compare only with one's own self and determine how one is fulfilling his or her goals and dreams. Regarding the PhD, his thinking is that it is not an easy decision. It requires a whole lot of investment. It is, therefore, better to aim for projects that are really interesting and attractive. He also

advised to look for high ranking schools or Universities. According to him, it is better to contact the Assistant Professors first, as they have more energy and probably more projects. Full time professors are also a good option, but the options are generally limited. Regardless of that factor, it is important to know about the Professor's publication and the resemblance of the student's interest with that research.

Ms. Alexandra Korchevskaya, our fourth speaker, who is a civil engineer from Russia is currently working in Stuttgart. Her work include designing drainage plans, development of sewer networks in residential and industrial areas, and dynamic control of hydraulic regulations. She did her internship in The Netherlands (Methane Emission from Wetlands) and her master's thesis in ISWA. She finished C1 level of German and feels she was lucky that she got her job in 3 to 4 months after her graduation. Her first advice for the current students is to learn German language at every opportunity. That also helps in preparing a CV in German. It is better to apply in German, even when applying in international companies. If the application results in an interview, it is better to prepare a speech in German. According to her, making good profiles in LinkedIn and Xing with a good photo and right tags helps a lot to connect to the right recruiters. Using more than one employment website is also really important. She emphasized on HiWi jobs and having recommendation letters from there.

The fifth speech came from Ms. Imke Wessel who is currently a doctoral researcher at ISWA. She is from Germany and works with Dr. Reiser in biological desulphurisation of biogas. She is currently on a scholarship and informed that there are many possibilities to get scholarships from DBU (only for environmental issues in Germany). Her current research is on measurement of methane emission at landfill sites to estimate the success of stabilization measures. The research includes changing the state in landfills from anoxic to aerobic to observe the emission, measuring the wind when trying to measure the emissions and modelling. Her suggestions for students included to pursue every opportunity in front but not to push too hard if any one of them does not work. For staying in Germany, she also advised to learn German really well but added that it is beneficial to have a driver's license. For additional funding sources, her recommendation was to seek help from professors.

LIFE AFTER M.Sc. WASTE - Alumni WIM 2019

The next speaker was Ms. Lilia Itzel from Generation 2014 from Mexico. She is a chemical engineer and worked as a laboratory assistant for 3 years before coming to Germany for exchange. She is currently working at the Center of Micropollutants in BW which is located in ISWA. Her research work is connected to the building of 4th stage micropollutants removal. Before working there, she did a HiWi and a master's thesis within this institute. She also emphasised a lot on learning German and writing not only the CV but also the e-mails to send to professors in German. The effort to write all these in German is always appreciated. She wrote her thesis in German to prove her knowledge and capability in scientific German but she did not recommend it unless someone is absolutely sure. Her another advice was to not send the same e-mail to different professors. According to her experience, it is really important to be really specific in explaining the interest and knowledge related to the professor's work. She emphasised on driver's license and networking as well. She finished her speech with a real life experience that she had with people where they can be mean but it is important to keep the confidence and fight, regardless of the situation.

Our last speaker, Ms. Lina Glittman, is from Generation 2012, German; and currently managing a small company in Esslingen. She works in the field of air quality equipment building as a project manager. The main client of that company is Daimler. She had two good opportunities for the current students with one job offer and one HiWi offer. She also advised to never lose the confidence.

After the completion of all the speeches, there was a finger food event arranged where the cooking was done by M.Sc. WASTE students through a cooking workshop organised at IFK. There were loads of delicious, amazing foods which made the networking between the students and alumni much more enjoyable.

The Alumni WIM was a great opportunity for us, the current students, to have a look into a possible future and how to plan for that. Any changes we need to make to our current plans, any new plans we need to make or the skills we need to learn to survive in the real world, this Alumni WIM will always be a guideline for us regarding that.

Adnan Shahriar
M.Sc. WASTE student, Generation 2018

UPCOMING EVENTS - III M.Sc. WASTE INTERNATIONAL SYMPOSIUM

The third annual M.Sc. WASTE International Symposium: Environmental process engineering and technologies is intended to provide a networking opportunity for junior and senior professionals in the fields of environmental engineering. The symposium is aimed to find a coalition point for international speakers to share their experiences working and researching on environmental technologies in the fields of solid waste, and waste water process engineering along with air quality control.

Students are also welcomed to contribute to foster the Symposium through the call for research posters and conferences, where they are invited to present their work. The best researches will be awarded. Further details regarding the

event registration and deadlines can be found on the event's website: wasteclub.net. Make sure to register as soon as possible, as there is only a limited amount of places available for attendants (100).

The Symposium is organized by the International Master of Science „Air Quality Control, Solid Waste, and Waste Water Process Engineering (WASTE) - University of Stuttgart“. All attendants and speakers will receive a certificate according to their participation category. It will take place on the 8.11.2019 in Stuttgart – Hamletstraße 11, VDI Haus Stuttgart. We are looking forward to seeing you there!

Nelson Rincón
M.Sc. WASTE Course Manager



Prof. Francisco Vera in the International Symposium 2018 - Picture by Jeremiah D. Photography

UPCOMING EVENTS - M.Sc. GRADUATION CEREMONY 2019

On behalf of our M.Sc. WASTE community, we would like to extend you an invitation to our upcoming M.Sc. WASTE Graduation Ceremony 2019. It will take place on the 16.11.2019 in Pfaffenwaldring 47 Room 47.03. This year we will celebrate the culmination of the 2-year journey of the M.Sc. WASTE students from Generation 2017. We will offer an international buffet along with some performances and speeches from the class representatives and the directives of the program.

It will be a perfect opportunity to congratulate the graduates and to stay in touch with the M.Sc. WASTE Network. We are looking forward to seeing you there!

Nelson Rincón
M.Sc. WASTE Course Manager



Best Students, Gen. 2016 - Picture by Abdelwaheb Bouazizi

FUNDRAISING WASTE CLUB STUTTGART e.V. 2019

The Allmand Open Air is a traditional summer party that has been organized by students from the Allmandring 1 Dormitory for almost the past 10 years. This year the WASTE Club Stuttgart e.V. carried out a fundraising activity selling delicious food during the party. Generation 2018 came together to help and make the M.Sc. WASTE Stand a tremendous success, selling out all the food we had prepared! Fun young people and great

food created lines and lines during the whole event in front of the M.Sc. WASTE stand. Here is a piece of information for the Gen. 2019: Everyone is already looking forward to eating the burgers and the fries from the M.Sc. WASTE Stand in the AOA 2020!

Igor Ramos
M.Sc. WASTE student, Generation 2018



Students during fundraising event - Picture by Allmandring Open Air 2019

Where will the money go?
The legendary Generation 2018 Graduation Ceremony in 2020!

DOPPER CHANGEMAKER CHALLENGE 2019

One of our classmates was lucky enough to receive a message that would change her life for the better. It was a casual Wednesday and we were discussing the importance of having a LinkedIn profile, when Ms. Krisje Tellers from Impact Hub Berlin approached one of our friends through this platform to tell her about an interesting opportunity to make an impact on water and/or plastic pollution and win a research grant. Even though she was extremely passionate about these topics, her research focus was on air quality. Ms. Tellers, however, had a perfect candidate in mind who could qualify making an impact in solving plastic waste pollution.

It was about the Dopper Changemaker Challenge, a contest that aims to support students in their graduation projects to promote the development of innovative solutions that have a major impact on current water and plastic problems. In this year's edition, more than 440 projects were presented by participants from the Netherlands, Belgium, Germany, the United Kingdom, and Nepal. Our very own Ms. Carla Scagnetti (Gen. 2017) was the brilliant winner!

Participants were assessed on impact, innovation, presentation, and feasibility of their projects. Carla was selected as one of the 20 semi-finalists from Germany. On Sunday 16th of June, the finalists had the opportunity to pitch their ideas not only to the jury, but also the guests who had come to listen to these ground-breaking projects. The pitches were made on the Panther Ray, a raft made from upcycled material. Our champion received a research grant (€5.000), in addition to media coverage and important network contacts.

Clad in her <<What are we going to do with this love plastic?>> shirt, Carla heard her name being called and approached the center stage.

"Fighting plastic pollution is a pressing matter and it has a global impact. The media shows us the images of once beautiful beaches now resembling dumpsites and vulnerable animals dying after swallowing plastic material. The fact is: 40% of our plastic demand goes into plastic packaging. The problem: packaging is often design for a single use, has a very short lifetime and a missing circularity that leads to excessive plastic waste. Our immense consumption of plastic packaging is highly criticized but alternatives are often worse and lead to burden shifting, which means, for example, saving the dolphins while increasing deforestation! As a research student conducting my master thesis at the IABP Department for Life Cycle Engineering (GaBi) the best way to start tackling down the plastic pollution problem was clear: estimating a plastic footprint for packaging."

Science-based data is needed to support policymaking and regulations of products that contain plastic packaging. With Life Cycle Assessment (LCA) we can compare and analyze the circularity of products. This environmental assessment tool creates models with the regulated End-of-Life scenarios: incineration, recycling and sanitary landfilling. The challenge is that current LCA studies do not include littering and cannot address the environmental impacts generated due to marine plastics and microplastics. Carla's goal is to include this plastic footprint and marine litter into LCA analysis, something that has never been done before and more importantly is scalable to any product and every country.



Carla Scagnetti in the Dopper Changemaker Challenge 2019 - Picture by Dopper Changemaker Challenge 2019

DOPPER CHANGEMAKER CHALLENGE

With her master's thesis topic "Estimation of marine litter contribution to a product specific plastic packaging footprint" she targets the traceability of the plastic waste and introduces a baseline to quantify the share of plastic entering the aquatic environments. This is the project that granted her the first place in the Dopper Changemaker Challenge 2019, a very useful tool which will allow us to make informed decisions regarding a product's packaging. The idea is quite simple: just like driving a car has a well-known CO₂ footprint; our selection of groceries has a plastic footprint and is most likely to end up contaminating the environment. With this indicator consumers will easily know the complete environmental impact directly at the supermarkets.

With Carla's research we will finally have an answer to the question of what is better for the environment, a cucumber with or without plastic foil? Spoiler alert, a balance between food losses and plastic waste is the key in this holistic approach.

But the innovative solutions do not end here! Second and third place were won by Mr. Stefan Gerbes and Ms. Malu Lücking.

Stefan, a student from TUM Munich, is the Managing Director of Project Waterfilter. The aim of the project is to provide safe and clean drinking water to the communities in Tanzania by producing and selling organic water filters. Only four materials are needed for this ambitious filter: water, sawdust, clay, and silver nitrate. The advantage of these raw materials is their worldwide availability, so that the materials can be sourced locally almost anywhere.

Malu is a textile designer from the Weißensee Academy of Art Berlin. She is exploring how to turn algae into yarn for various textile goods and bioplastics, thus balancing the ecosystem of lakes and at the same time producing sustainable products that deal with both water and plastic pollution!

Florencia Ramírez
M.Sc. WASTE student, Generation 2017



Carla Scagnetti - Picture by Dopper Changemaker Challenge 2019

This edition of the Dopper Changemaker Challenge was full of unique ideas and excellent innovation solutions, and I encourage everyone who wants to make a positive change to register for the next challenge. Who knows, you may be our next winner!



Carla Scagnetti and her reward - Picture by Dopper Changemaker Challenge 2019

INTRODUCING LOUIZA AND NELSON



Louiza Avgeropoulou, Course Director - Picture by Abdul Samad

My name is Louiza Amalia Avgeropoulou and I have been working at the WASTE Office since November 2018 as a course director, by substituting Mrs. Dr. -Ing. Carolina Acuña Caro during the period that she is on maternity leave. I come from Greece and I have been living for almost 9 years in Stuttgart. However, I still have not learned the Schwäbisch dialect. I am very passionate about the topics Sustainability and Environmental Protection and that was the reason I studied Environmental Sciences and also took an M.Sc. degree on sustainable buildings. I obtained precious experience during the period of my studies in Greece, France, and England. The interaction with different cultures was also something that I have been always aiming to do. Moreover, when I was staying in Greece I gained important working experience on environmental impact assessment projects. When I moved to Stuttgart I worked on European projects about sustainable buildings when I was working at the Hochschule für Technik and also on projects in the field of Life Cycle Assessment when I was working at the PE International company in Stuttgart.

When my daughter was born in 2014 I decided to spend the first important years of her life completely with her. However, it came the time when I was feeling that I want to start working and be productive again. When I saw the job offer from the University of Stuttgart for the position of course director for the M.Sc. courses WASTE and Energietechnik and also Erasmus Coordinator I decided straight away that the position sounded very challenging for me and I would love to live this experience. Therefore, after the admission process, in November 2018 I joined the M.Sc. WASTE family because that is exactly how I felt from the beginning and I am still feeling, that it is a „family“. It is also the environment at IFK that makes me feel comfortably. I will not deny that I have lived very stressful periods where my tasks were enormous. However, with a good organisation and with the support of everyone that works at the Waste Office everything is done in the end! My aim is to facilitate the life of the students and I am always available to listen to any request or any problem that may occur during the duration of the students' studies. Please feel free to come to my office!

Louiza Avgeropoulou
M.Sc. WASTE Course Director



Nelson Rincón, Course Manager - Self-taken picture

I am Nelson Felipe Rincón Soto (I know, it is quite a long name to remember!) and I am currently working as the Course Manager of the M.Sc. WASTE. I am a Colombian chemical engineer who loves exploring other cultures, the red carpet of the Academy Awards, and re-watching old figure skating competitions and ballets!

I am a M.Sc. WASTE Alumni from Generation 2016 and back in that time I was one of the Class' Representatives. My M.Sc. WASTE journey was a teenage dream coming true! I loved the way the program formed a new slightly-more-German version of myself and gave me the technical skills to decide what was the next step in my life. I have been always pretty engaged with every single intercultural/international/academic activity of the master's program, so I started working as a HiWi at the M.Sc. WASTE Office in 2017. Back in that time Dr.-Ing. Carolina Acuña Caro was successfully leading the degree. She has been a mother to me since the very first day I stepped into Germany, she was always there to support the students with a smile on her face. I could not even express how grateful I am she was on my journey. When I assumed the position in Course Management, I knew which kind of shoes I got to fill. You can not imagine how much of the world you get to know by sitting in the M.Sc. WASTE Office, it comes the point where you know by heart the names of traditional dishes all over the world and even how to cook them!

Now here is a little piece of advice for the upcoming students: The M.Sc. WASTE is different, and you can take out of it as much as you put in (Like mass conservation!), hence, always participate actively in every single activity, always look for research projects and internships that will make your stay even more worth it! Do not rest on your laurels.

Together with Louiza, we are eager to support you anytime during your master's program and we will make sure you have nothing but a life time experience at the University of Stuttgart!

Nelson Rincón
M.Sc. WASTE Course Manager

EYES ON EARTH ROADSHOW

In June, our M.Sc. WASTE program received a spontaneous invitation to participate in the 2019 Copernicus 'Eyes on Earth' Roadshow which took place at EUMETSAT's premises in Darmstadt, Germany, between June the 12th and the 13th. The Copernicus Programme was established in 2014 as the flagship Earth observation programme of the European Union. Copernicus' portfolio operational information services rely on the input of space-based and in-situ observations provided by the Copernicus space and in-situ components into Earth system models or other information systems. It consists of six information services, including: Atmosphere, marine, land, climate change, security, and emergency. It has a full, free and open to all data policy. Based on this, the Copernicus 'Eyes on Earth' Roadshow is a series of five events across the EU that brings space and Earth Observation closer to EU citizens, raising awareness of skills and job opportunities in the geospatial industry. The objective of the event is to illustrate to the citizens how the European Union's Copernicus satellite programme creates jobs and business opportunities while uncovering the planet Earth. The event is open to the interested general audiences and the Earth Observation sector experts.

At 6 o'clock in the morning of June 12th, a team of 9 M.Sc. WASTE students (Led by Grecia Solis and Simindokht Mobarakabadi from generation 2016, with members Freddy Miniaga, Maria Aparicio, Juan Duarte from generation 2017 and Aldo Merino, Rafael Arancibia and Guotianyunxin from generation 2018) took a three hour train from Stuttgart to Darmstadt. After we arrived and checked in the hotel, we went to the EUMETSAT's premises in Darmstadt. In the check-in gate, we could select the different color tags attached to our card which represent our field of interest. Then, we joined the corresponding group to do the team work practice. After we got inside the building, we did the test that was displayed on the screen to get more knowledge on the Roadshow quiz stations. And these lovely moments were also recorded and reported by the official social media account of Copernicus EU.

During the presenting time, the Mayor of Groß-Bieberau gave us a welcome speech. The EUMETSAT's Director of Operations and Services to Users, Livio Mastroddi, then gave us an overview of the agency's activities. To inspire our participants and showcase some of the many applications of space data, the Roadshow included keynote presentations by Skyflox, a young remote sensing company providing observing platforms positioned below aircrafts; and by Safran Engineering Services, which provides hi-tech engineering services to the aerospace, energy and ground transport industries.

After those introduction and inspiring speeches, we started brainstorming and working in different groups with a director to figure out what we can do with the space data and then use it in our own professional domains.

The next day started at 9.30am with the host introducing to the audience all the outcome from the first day's Canvas 3 from 10 groups. Then there was a introduction to Copernicus service and DIAS. From 11am to 12.10am, 6 technical lectures were separated into two class rooms and presented. Those lectures include DIAS, Air quality, Agriculture/land use, Radar (Subsidence), Climate/UHI, and water quality. We chose either one from the two classes given in the same period. After the lunch break, there was another technical lecture about energy. Then all the groups from Canvas were invited to give a presentation about their idea in the data use. There were so many interesting ideas that came out from the audiences, coming from their own specific careers. For example, the Smart Cooling City, Solar Radiation Real-time monitoring, and reminding mobile app, best solution for groundwater shortage transporting and global air pollutants monitoring.

Continues >>



Speaker at Eyes on Earth Roadshow 2019 - Picture by Tianyunxin Guo



Speaker at Eyes on Earth Roadshow 2019 - Picture by Tianyunxin Guo

EYES ON EARTH ROADSHOW

After those presentations, there was a speech about how to convert your idea into a start-up. The following is the competition lists that you can participate in and achieve your ideas:

Copernicus Master

Galileo Masters Start-up of the year Supported by GSA

Galileo Masters idea of the year supported by GSA

ESA Space App Camp

www.copernicus-masters.com/

www.galileo-masters.eu/startup-of-the-year/

www.galileo-masters.eu/

www.app-camp.eu/

During this whole trip of 'Eyes on Earth' Roadshow in Darmstadt, we enjoyed and also learned a lot from all these presented business cases and research projects using the space data provided by the Copernicus program. This event inspired and motivated us a lot, especially in our environment related study area, as it relates either the quality of air and water measurement or the climate and ecology and surrounding change. All of this helps us go further and make at least some contribution to making our Earth environment better and better.

We feel grateful for the support of our Waste Club Stuttgart e.V., during this two-day trip, the expenses of train and accommodation provided by both the rRadshow organizer and Waste Club. The next Copernicus 'Eyes on Earth' Roadshow event will take place in Rotterdam, Netherlands on September the 24th and 25th. If you want to participant in the next event, you can register on the website:

www.lyyti.fi/reg/Copernicus_EoERoadshow_Darmstadt

Tianyunxin Guo

M.Sc. WASTE student, Generation 2018



M.Sc. WASTE students at Eyes on Earth Roadshow 2019 - Picture by Tianyunxin Guo

EXCURSION TO SCHAUINSLAND

My first experience with snow and my first excursion in Germany was on a trip to Schauinsland. Prof. Vogt had planned the excursion to Umweltbundesamt Luftmessstation in Schauinsland (Air monitoring network of the Federal Environment Agency). Three of my classmates (Ananya, Christina and Talal) and I were the four students from Generation 2018 who filled in the remaining places, as the excursion was for a class that we were not a part of. We left early on the day of the excursion. After about three hours of driving, we reached our destination. Schauinsland was a beautiful place, the hills and the trees of the Black Forest were covered with white snow.

The air measurement station lies on top of a mountain where it performs its primary function of measuring and monitoring air far away from urban and industrial area. After we hiked up to the station, we saw different instruments that were used to measure particulate matter (PM_{2.5} and PM₁₀), NO_x, SO₂, ozone, methane, CO₂, and other pollutant. One of the instruments used gravimetric sampling to collect precipitated pollutants. We also got to witness rooms filled with monitoring devices. A fun fact about Schauinsland air measurement station is that it has the longest series measurement for CO₂ in Europe. The station that has been working under Federal Environment Agency since early 1970s has measurement of CO₂ since 1972 till this date.

This excursion was the first of many things. Umweltbundesamt Luftmessstation in Schauinsland was the first air measurement station I have seen in my life. It was quite overwhelming for me to see such advanced technologies used for measuring and monitoring of the air. After our tour to the station, all of us went to a nearby tower to see the magnificent view of the landscape and then we went for lunch where I had my first authentic Black Forest cake in middle of the Black Forest. This excursion was a wonderful experience!



Schauinsland Measurement Station - Picture by Bundesamt für Strahlenschutz

Rinusha Maharjan
M.Sc. WASTE student, Generation 2018

HiWi-JOBS SUMMER SEMESTER 2019

A HiWi is a research assistant that helps with research projects or administrative affairs, who will sign a contract and get paid for the work. When you are a freshman, doing a HiWi is a nourishing thing that helps you quickly get involved with new academics and life atmosphere in Germany, which might be very different from your previous experience. When you are a senior student, doing a HiWi would be a solid stone before you step into either your future research or career. So, in this article, we present three students of our M.Sc. WASTE program

to share their experience with us about doing a HiWi. These three statement sections below record their mind, which tell you what they learned from a HiWi and What do you need to pay attention to when you do one and all the stories that might enlighten you!

Tianyunxin Guo
M.Sc. WASTE student, Generation 2018

Name: Héctor García Salamero
Generation 2018

Email: hecsal095@gmail.com

My HiWi Job is related to corrosion in metals and ceramics. This is an important aspect in industry and the daily life to maintain the good condition of equipment, machinery, and to extend the life cycle of them as well.



Héctor García Salamero at the IFK - Picture by Miriam Chacón

Continues >>

HiWi-JOBS SUMMER SEMESTER 2019

Some European projects are trying to improve the quality of biofuels used in process engineering. This plan tries to help with environment since the emissions of pollutants coming from coal and fossil fuels would be reduced. In some ways, this upgrade of the biofuels provides interesting results in terms of performance but in affects of the final state of materials, which, for example, are frequently present in industrial furnaces present. This damage is caused by metallic ions (Cl^- , Na^+ , K^+ , among others) and it is a potential danger against this energetic alternative. That is why some samples must be prepared and analysed in order to find the composition of a biofuel which produces less damages to the equipment.

In all this process, my task is to prepare these mentioned samples. These ceramic and metallic samples which will be transported later to another laboratory to be examined by using a microscope. They are prepared from bars that were previously in contact with the exhaust gas in an industrial

plant. After impregnating the bars with the exhaust gases, they are fixed by using some agents, then they can be dried and transported.

One of the tasks in the laboratory is the cutting of the bars. We have a machine equipped with a circular saw, which allows me to obtain a representative piece to do the subsequent analysis. Then some chemical compounds are used to create a resin which will fix the piece and will additionally protect it against some reactions with water contained in the air. Finally, I must polish the sample, since the resin must be transparent to let the beam of the microscope cross it completely.

It is amazing to have a HiWi Job, which comprises mechanical and chemical engineering tasks and the result can help to improve the quality of the environment.

Héctor García Salamero
M.Sc. WASTE student, Generation 2018



Grecia Solís, Miriam Chacón and Ulrich Vogt - Picture by Grecia Solís

Name: Grecia Solís Castillo
Generation 2016

Email: grecia.solis@pucp.pe

After successfully finishing my master thesis at the Air Quality Control department at IFK (Institute of Combustion and Power Plant Technology) in January 2019, I got an opportunity to work in a great project: "Using of low-cost PM and gas sensors for indoors and outdoors air quality measurements for medical purposes".

The project is managed by Dr. -Ing. Vogt and it is a great step in my career as M.Sc. in Environmental Engineering in Germany since I got the opportunity to apply the results obtained in my master's thesis.

My job consists of performing several measurements with different types of low-cost NO_2 and PM_{10} / $\text{PM}_{2.5}$ sensors to identify the degree of influence of temperature and humidity that affect the obtained results. These sensors are used as a low-cost alternative to measure the quality of the air. They are convenient and portable, however, the influence of meteorological factors means that the data obtained should be reprocessed and reevaluated in order to obtain accurate results. After selecting the most convenient sensors (in terms of cost, size, accuracy, linearity and repeatability), it would be necessary to build 16 devices that contain one NO_2 sensor

and $\text{PM}_{10}/\text{PM}_{2.5}$ sensor to install them inside and outside the selected patients' houses. This project is challenging but also exciting since our results would be used in the medicine field.

I feel so happy working at IFK with Miriam Chacon (my classmate from Waste Generation 2016) with whom I work on the same project described above, Abdul Samad (who was my thesis supervisor and also my academic coach) and Dr. -Ing. Vogt (Who was my professor in two lectures related to measurements of air pollutants and air quality control). I am thankful for their trust and for giving me the opportunity to work with them.

Grecia Solís
M.Sc. WASTE student, Generation 2016

HiWi-JOBS SUMMER SEMESTER 2019

Salua Moussawel at the ISWA - Picture by Salua Moussawel



Name: Salua Moussawel
Generation 2018

Email: saluamoussawel@hotmail.com

A "HiWi" or Student Assistant (A term that was once foreign to me) has now become a big part of my student experience in this master's program. I found myself stumbling into this position not short of a week after I had arrived in Germany when we M.Sc. WASTE students received information about a new student job opening.

The job is generally related to food waste reduction at the faculty of ISWA (Institute of Sanitary Engineering, Water Quality and Solid Waste Management). My duties ranged from organizational to editing tasks. Most of time, I was required to research varying topics, all of which were luckily related to the program's contents, thus, developing my knowledge in those matters further.

During my almost 1 year-long experience in this working atmosphere, I noted many differences compare with my expectations. Unlike some previous experiences, for example, I never felt inferior to my superiors here. I may have had good luck to work under some great supervisors, but I could also notice that there is a general notion of respect for and courtesy with one another, regardless of the hierarchy. Even as a HIWI, I was always included and invited to the faculty's academic events, presentations, meetings and even to the faculty's social events. Furthermore, My favourite part was being able to meet some professors that teaching in our program

in the faculty as it was always exciting to learn more about their work and projects in their respective fields.

A personal challenge that I would point out, however, was that I need to speak in German in an academic context. Despite everyone's fluency in English, I always tended towards communicating in German. As a German-born and raised speaker, I assumed it would be no problem. However, I often found myself lacking the technical terms on certain topics. This has motivated me to take at least one course of the program's requirements in German to advance my technical proficiency in the German language.

Overall, my experience could not have been more fulfilling. My most important observation was that the more I put my time and energy into this work, the more I learned and benefited from the experience. I can now honestly say that my experience at the University has been so far divided equally towards developing my passion through my studies while simultaneously trying and managing a new job with the new working environment in Germany.

My take-home lesson would be that when given the opportunity to work, it is as rewarding as you make it be.

Salua Moussawel
M.Sc. WASTE student, Generation 2018

EXCURSION TO ZUGSPITZE - DIARY OF AN ENV. ENGINEER

I am right now at Zugspitze (the highest mountain in Germany) in the environmental Research Facility Schneefernhaus, where as a part of a worldwide network the big questions about our Earth's atmosphere and our interaction with it are faced. It has been a long way here, and every second of this journey has been memorable for an environmental engineer like me.

The initial trip was terrific, smooth, fun and fast despite the long distance from Stuttgart to Garmish Partenkir-

chen where we found our first destination: The institute of Meteorology and Climate Research/Atmospheric Environment Research (IMK-IFU). A modern institute with top technology for climate change research as well as a quiet place full of inviting smart people.

After a small tour in the installations we traveled farther to the Austrian side of the base of the mountain Ehnwald, where we had a relaxing evening with Italian dishes and ice cream, accompanied by the sight of the beautiful Alpine



EXCURSION TO ZUGSPITZE - DIARY OF AN ENV. ENGINEER



After a night of rest came the true challenge: The ascent. Early morning, we entered the resort at the base to begin the almost 7-hour hike. The walk was full of alpine landscapes, herding animals and friendly people to whom one does not get tired of saying "Servus". It was a truly hard climb only made possible thanks to the experience of Apl. Prof. Dr. -Ing. Baumbach, who managed to take even the least experienced here.

Now, tired but excited we rest in the empty facility, isolated from the rest of the world, playing card games with a nice din-

ner, ready to learn tomorrow about the research being done here and around the world and later head to the meteorological research center the actual highest point in Germany. Once we are done with science, we will have a fun afternoon at the gorgeous Eibsee and finally go home with a memorable trip with a lot of stories to tell.

Eugenio Arellano
M.Sc. WASTE student, Generation 2018

INTERNSHIPS GEN. 2017

Like every year, many students of the M.Sc. WASTE program choose to pursue internships in different fields to boost their career opportunities. Yichen, our peer from generation 2017, shares his interesting experience with us today.

1. Can you tell us a bit about the company and the internship you are doing now?

**Name: Yichen Xu
Generation 2017**

seedgoddy@hotmail.com



Yichen Xu
Picture by Jeramiah D. Photography

Yi.

Hi Roua. My pleasure! So, the company is called Züblin Umwelttechnik GmbH. It is one of the leading European technology enterprises operating worldwide, in the field of environmental remediation, clean-up of groundwater and construction site water, landfill remediation, and biogas facilities. My main job is to help them with their projects in China, including improvement of process design, preparation of technical documents, validation for purchase and installation.

2. Why did you choose this particular company for your internship?

Yi.

Since they are dealing with projects in China, they need someone who is fluent not only in English and German, but also in Chinese. For me, it was just a perfect opportunity. I have the knowledge, as well as the language skills they need. It is also good to do something for my own country.

3. Did the internship cover a significant range of knowledge gained from our lectures in the M.Sc. WASTE program?

Yi.

The knowledge I learnt from our program is of course a must. Most projects I have taken part in are about groundwater and soil remediation. For example, in groundwater remediation, two commonly used methods are: In-situ chemical oxidation and in-situ biological oxidation, which means that water chemistry and biology play significant roles. Another example could be that, in soil remediation, the removal of organic contaminants is usually the task, which can be done by thermal desorption and combustion.

4. What extra skills did you gain from this internship?



Internship at Züblin Umwelttechnik GmbH - Picture by Yichen Xu

Yi.

The most important skill is how to integrate what I have learnt together. This is what engineering really is. Sometimes, I found out that I never noticed that those processes/techniques could be combined together. Moreover, engineering projects are more than theories. In real situation, things can go wrong, and the ability to analyze the mistakes are also important. Aside from these, I also improved my communicational skills. It is always important to know how to communicate, no matter to the clients, your superior, your colleagues, or the suppliers.

Roua Labbaoui

M.Sc. WASTE student, Generation 2017

M.Sc. WASTE INTERCULTURAL MEETINGS (WIMs)



Nelson Rincón, Noshin Nower and Jeramiah Backman during Christmas WIM-
Picture by Nelson Rincón

::: 71st WIM - Christmas WIM 2019 :::

Already an annual tradition for M.Sc. WASTE, the last Christmas WIM is something I will remember fondly for many years. As the new generation starting the program, it was our job to put together the Christmas celebration for our guests. Of course, we received a lot of help from our seniors, but as Class Speaker I want to congratulate my classmates, who really came together to put on an amazing party!

After the room was decorated and guests started to arrive, the WIM was a go. The evening started with a presentation where M.Sc. WASTE students showcased the different ways Christmas is celebrated across the globe. We learned about different traditions, different foods and what made this time of the year special to each of the speakers. For me, the best was how everyone shared pictures from their families and friends celebrating Christmas. I found it really cute and fun.

After the presentation, food and drinks (including Glühwein!) were served and an interesting game of Secret Santa was played. Interesting because people could take wrapped gifts at random from a pile of presents put together by everyone, but also because you could "steal" a previously opened gift! That caused some very funny moments through the game. I was not fully convinced beforehand that it would be a good idea, but after playing I changed my mind.

The night was closed with a party, where people enjoyed dancing until it was time to tidy up and say goodbye. As our first official event as Generation 2018 I think we did a great job and I'm looking forward to this year's Christmas WIM. Generation 2019, it is your time to shine!

Javier Carrillo

M.Sc. WASTE student, Generation 2018



Pakistani Team - 72nd WIM - Picture by Ioannis Chourdakis

::: 72nd WIM - Pakistani WIM 2019 :::

From bearing the stifling heat of those kitchen stoves to tired hands from putting up green props, I believe it was all worthwhile to make the 72nd WIM, held on the 1st of February 2019, happen. I mention these efforts to say how much heart the team and I (Abdul Samad, Arouba, Hamad, Ahmad, and WIM coordinators) put into this event and the honor we felt to be given the opportunity to do so. It was successfully organized by WASTE Office with the support of WASTE Club e.V.

It was the first Pakistani WIM ever held by the WASTE Office, and without a second thought, I would say it was a huge success since. We could observe the reactions of fellow students while eating blends of spiced up rice (I still remember the girl who almost cried but couldn't stop eating), mouthwatering curries, lentils (I got a lot of compliments on lentils, though I didn't cook them), and a blend of whole other varieties including lady finger and so on.

Continues >>

M.Sc. WASTE INTERCULTURAL MEETINGS (WIMs)

Everyone was dancing along to some traditional songs, which were from all four different parts of Pakistan. I was the choreographer but to be honest I did not even know how to dance. Everyone participated so enthusiastically, especially professor Dr. -Ing. Vogt. We made our presentation highlighting some touristic and historical spots that represent the diversity, and both: The geological and cultural beauty of Pakistan. It would have been boring if Abdul (Gen. 2012) hadn't started the presentation so well talking about the history and touristic spots and, throughout the presentation, engaged the audience by asking questions.

Hamad (Gen. 2016) did his part even better and showed how Pakistan came into existence, its importance and saying that Pakistan has currently one of highest percentages of youth, which most of the people didn't know before, myself included. Finally, I concluded the presentation by showing the culture, music and cracking some jokes that no one understood. Not to forget Miss Arouba (Gen. 2015) who oversaw the decoration; I don't think it could have been decorated better in such a short span of time. I am also very thankful to Ali (from WAREM) who helped us a lot throughout the WIM.

To close off the night, a not-so-official side of Pakistan was shown through the establishment of what we call a "MEHFIL", thus ensuring everyone slept soundly (joke intended).

Special thanks to Nelson, Javier, the WIM coordinators, the WASTE office and of course myself. Without everyone's continuous efforts, we could not have made this possible.

Sagar Chawla

M.Sc. WASTE student, Generation 2018



Henna during 72nd WIM - Picture by Ioannis Chourdakis

::: 73rd WIM - Latin American WIM 2019 :::

The WASTE Intercultural Meetings, better known as WIMs, are events in which the culture of a country or a group of countries is shared with the rest of the M.Sc. WASTE family. On the 24th of May 2019, the 73rd WIM took place at IFK, where students from Generation 2018 organized a wonderful rendez-vous and presented the highlights of seven countries from Latin America: Bolivia, Brazil, Chile, Colombia, Ecuador, El Salvador and Mexico, including rhythmic, tasty and colorful activities and performances.

The WIM was inaugurated with a welcoming message from

Javier Carrillo, Generation 2018's class speaker, followed by a presentation of the main aspects from each of the seven countries, where the speakers talked about what made their countries special, their cultural characteristics and what the countries meant to them, which was attentively received by an audience of more than one hundred people. Then, a group of people from the attendants had the opportunity to participate in some typical games from Latin America, such as gincana, where they, as well as the spectators, had a fun and wonderful time.



Latin American Team (Some of them) during 73rd WIM - Picture by Javier Carrillo

M.Sc. WASTE INTERCULTURAL MEETINGS (WIMs)



Dinner during the 73rd WIM - Picture by Javier Carrillo

Later, the attendants had a closer approach to the Latin American culture when they tasted some typical and delicious dishes from the seven countries. People enjoyed sopa de maní, feijão, empolvados, arepas, pristiños, pupusas, enchiladas suizas, agua de panela, and agua de Jamaica, while listening to traditional music playing inside a colorful and charming room, decorated with pictures and posters with important information from every country.

"From the very beginning, when the idea came up, until the very last moment, I was quite motivated and excited about sharing the best of my country, I wanted to transmit the happiness, good vibes and charm of the Latin American Countries and I think we achieved it", tells Javier Carrillo, main organizer of this event.

One of the best moments of the evening happened when the winners from the games had the opportunity to smash a

piñata until it got broken, starting the "rain of candies", which is one of the traditions of Mexican culture. Nonetheless, the climax of the event occurred when the organizers performed a set of traditional dances from Latin America, receiving an ovation and applause from the audience.

The exciting night closed with the participation of professors, students and all assistants in general in the ritmos latinos dancing time, where they rejoiced dancing to salsa, cumbias, merengue and reggaeton. This WIM meant a huge amount of work but, in words of M.Sc. WASTE Course Manager Nelson Rincón, "All the effort added up to an fantastic final result that satisfied everybody who came to the event".

Diego Lucio

M.Sc. WASTE student, Generation 2018

WASTE HAVING A BALL - SOCCER TOURNAMENT 2019

Six nations, three different languages, but one common goal; defending the MSc. WASTE jersey at all costs. The battlefield? The annual IAHR-BW Football Tournament that took place on May 25th. Freddy Mimiaga of Generation 2017 had the initiative of building up the team. He carefully selected the nine representatives, spotting their strengths and adequate positions in the field. All of us were new at playing together, therefore, we arranged practices before the big day. This helped us greatly, as we could foresee how we would play that Sunday morning.



M.Sc. WASTE Soccer Team 2019 - Picture by Freddy Mimiaga

Continues >>

WASTE HAVING A BALL - SOCCER TOURNAMENT 2019

The squad was formed by Marouane Merizak from Generation 2016, Juan Pablo Duarte, André Maia and Freddy Mimiga from Generation 2017, and Diego Eufrazio, Ricardo Reyes, Luis Serna, Héctor García and me from Generation 2018. Our motivation was high, as well as our commitment to do our best. Especially since the program had not seen victory since 2011 in previous tournaments.

There were six participating teams, representing master's programs, such as MIP, WAREM and WASTE, and companies and institutes, like FICHTNER, Max-Planck Institute (MPI) and IWS Institute.

Our first game in the group stage was against MPI. This game was especially difficult for us as we were still adjusting to our style of play. Thus, we unfortunately lost it 4 - 3. However, this did not demotivate us and in the following game against MIP, we won with an amazing result that let us play the semi-final against FICHTNER.

This team posed to be a great challenge, as they got to the

semifinal without defeat. Therefore, our hunger to face them was even greater. The game started evenly but our team rapidly overcame their defense to win the game.

We were in the final!

Our rival for the final was MPI, the team that had beaten us on the first game. If we were to win this, we would have our revenge. And so, after 30 minutes of perfect football, the WASTE team ended up victorious and raised the trophy. For us nine, this will definitely become a memory that will last forever, and we all felt glad to represent our program. At the end of the tournament, nobody forgot about what football truly represents: companionship. So, all the teams gathered up for a delicious barbecue and to enjoy some cold drinks. It was indeed a weekend to remember.

Hector Cañas

M.Sc. WASTE student, Generation 2018



M.Sc. WASTE Soccer Team 2019 - Picture by IAHR

HEALTHY COOKING WORKSHOP 2019

For the second time the AOK Health Insurance gave the opportunity to the M.Sc. WASTE students to participate in the Healthy Cooking Workshop. I was very excited from the beginning when Mr. Andreas Köhn who works at AOK informed me about it. I love cooking and I also wanted to live this experience with the M.Sc. WASTE students.

Therefore, I was very happy when I saw that the students were also very motivated to participate in this event.

The workshop took place on Wednesday, 10. July 2019 at the Office of AOK in Berliner Platz. We had been welcomed in a very nice environment with professional kitchen equipment and we were all ready to live a day as chefs. Dr. Ulrich Wirth (AOK nutrition consultant) and Ms Janina Brosche (AOK Health Promotion Trainee) gave us some important information on the "healthy eating pyramid" and on what we should be careful during cooking. The main menu of this day were pancakes with different kind of healthy fillings.

We were divided into small groups and every group cooked a different healthy recipe. We all successfully prepared our dishes and we then had plenty of time to enjoy our meal. Everything was delicious although it took us not very long time to prepare the dishes. At the end we received some flyers from AOK with other recipes for healthy food. Since we all have environmental sensitivity and we consider waste, the food that was left at the end was not throw away but was kept by some students to eat it later.

We all had a very nice time and we also cooperated very well. Therefore, I wish we will have the opportunity to repeat this cooking workshop!

Louiza Avgeropoulou
M.Sc. WASTE Course Director



AOK Healthy Cooking Workshop 2019 - Picture by Janina Brosche

NEW INSTITUTIONAL VIDEO M.Sc. WASTE

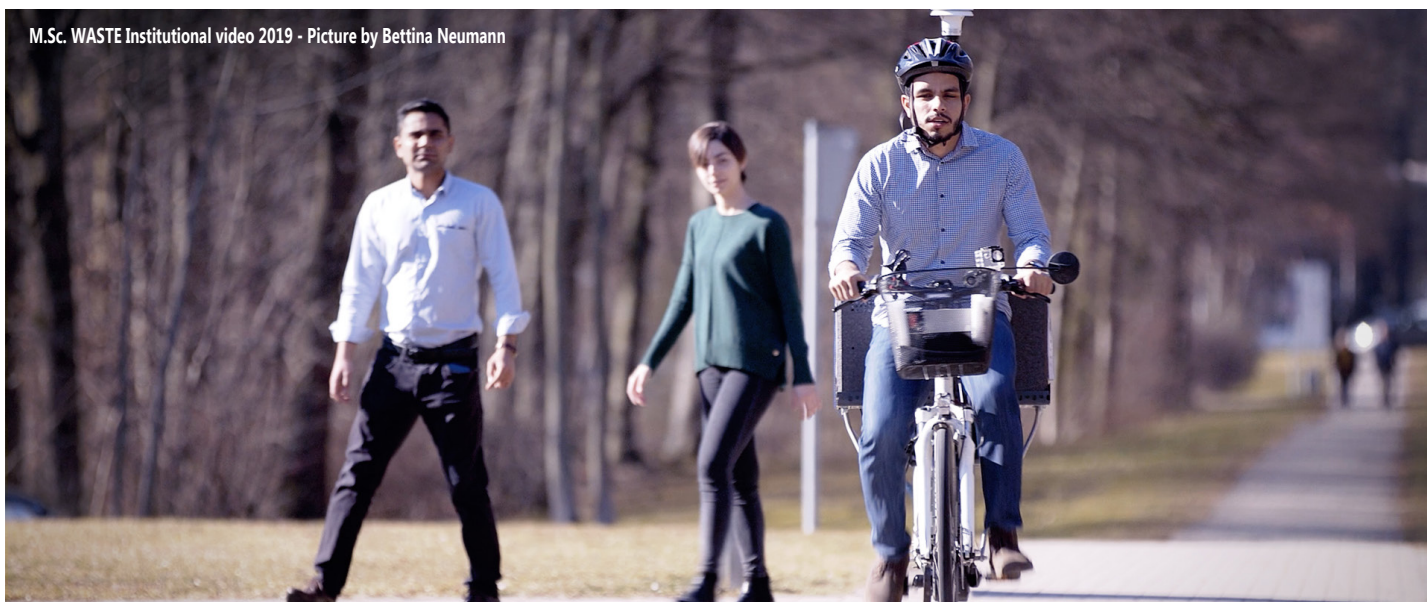
I would say that my experience as a film producer is rather poor. Even though I remember helping out my sister (who actually studied filmmaking) with her homework, I never thought that I would be producing a professional short film in my life! What an experience what to put together the new M.Sc. WASTE Institutional video 2019.

As I received the notification from the Central Administration of the University of Stuttgart, stating that new institutional videos will be released, I was rather excited. Subsequently, I started working on the preparations of the script, production, locations, make-up, and of course, the cast. Honestly, I decided to keep undiscovered my god-given innate talent as an actor. Hence, I chose three smart good-looking students to hold some interviews on camera: Ms. Razan Alsharqawi, Mr. Sagar and Mr. Hector Cañas. I was so astonished to see how a group

of international engineers have such an enormous potential to walk down the Red Carpet of the Academy Awards 2020! They nailed their lines, it was genuine!

The recording day was nothing but a busy day of running around getting things ready to look pretty on camera. Most of the scenes were recorded using the pilot plants and laboratories of the Institute of Combustion and Power Plant Technology (IFK), as well as the Institute for Sanitary Engineering, Water Quality and Waste Management (ISWA). The video explores the three specialization areas of the program in a practical way, showing prospect students what they might be able to learn and experience when choosing the M.Sc. WASTE. Feel free to watch it on our M.Sc. WASTE Official Website!

Nelson Rincón
M.Sc. WASTE Course Manager



M.Sc. WASTE Institutional video 2019 - Picture by Bettina Neumann

INTERVIEW WITH STUDENTS OF GENERATION 2019

The new M.Sc. WASTE students of Generation 2019 will be arriving in the upcoming september. Hence, we would like to ask them some questions regarding their expectations and plans!

Igor Ramos
M.Sc. WASTE student, Generation 2018

1. Why did you choose Germany for conducting your master's studies?

Oke.

My choice of Germany for my Master studies was because it's the world's No. 1 destination for Engineers & their priority on Education is unique and unmatched globally.

Sh.

I chose Germany for numerous reasons such as multicultural environment, quality of education, low tuition fee, English taught programs, top ranked universities, huge scope for research field, and University collaboration with engineering industry.

INTERVIEW WITH STUDENTS OF GENERATION 2019



Name:
Okekeozor Chidiebere
Country:
Nigeria

**Upcoming Student
from Generation 2019**

Oke.

Picture by Okekeozor Chidiebere



Name:
Sindhu Shankar
Country:
India

**Upcoming Student
from Generation 2019**

Sh.

Picture by Sindhu Shankar

2. Regarding the academic field, what skills are you expecting to acquire by attending to the M.Sc. WASTE?

Oke.

I look forward in developing technical skills that will solve industrial waste that contaminates the water bodies in my community. Also, to develop skills for quality air control in our environment.

Sh.

I have come across a lot of environmental problems all around the world and this compelled me to choose environmental engineering (in general) for postgraduate study to find appropriate solutions for those issues economically and save the Earth. I am expecting to acquire more practical knowledge (from industrial visit, laboratory, internship, and research projects) by attending the M.Sc. WASTE Course.

3. In terms of interculturality, do you think that the MSc. WASTE will fulfill your expectations?

Oke.

Yes because waste is an environmental concern of all cultures.

Sh.

In the walk of the MSc. WASTE course, up-to an extent interculturality will fulfill my expectations

4. How do you imagine your life during the time that you will be studying MSc. WASTE course?

Oke.

I imagine a hardworking and fun filled life. By hardworking, I imagine combining study and research through engagements with waste industries. By fun-filled, I imagine moments with diverse cultures and races at Germany through picnics, tours, and researches. All work and no play, makes Jack a dull boy. I'm not Jack!

Sh.

Imagining my life during the time that I will be studying M.Sc. WASTE course will be difficult in the beginning. With each day passing by I would get adjusted to the syllabi, examinations, and environment.

5. Do you have any plans for your professional future once you are done with your Master of Science?

Oke.

Yes I do. I do hope to apply the skill learnt from Msc. WASTE on the ongoing Ogoni Water Clean Up in my home country, Nigeria. On the long-term, I do hope to apply for a PhD with M.Sc. WASTE.

Sh.

Yes, I have dreamt of pursuing my professional career in research field and obtain a PhD degree. Before that I want to gain some work experience in a research institute/industry for an half a year or so.

WHERE TO VOLUNTEER? - THE VOLUNTEER CORNER

Concerned about climate change? Environmental and social justice?
You can make an impact with UNICEF!

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Website: www.unicef.de

Stuttgart University's UNICEF team (Stadtmitte campus):
info@hochschulgruppe-stuttgart.unicef.de



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Website: <http://www.drk-vaihingen.de>

Vaihingen team contact: bereitschaftsleitung@drk-vaihingen.de

Roua Labbaoui

M.Sc. WASTE student, Generation 2017

INTERNATIONAL



FEDERATION

SPORTS ON CAMPUS



Interested in sports and indoor/outdoor activities? We've got you covered! There is a wide range of sports offered every semester at our University through the Allgemeiner Hochschulsport. All you require for signing up is your Student ID (Ausweis), a valid German bank account (you'll learn during your studies that it is very important to have your IBAN number at hand) and an email address.

These offers include both team sports and individual sports, but also group activities such as yoga, pilates, dance lessons and high intensity interval training (HIIT). It is also a great opportunity to practice your German. Please note that these offers are on a first come, first served basis!

For any course you sign up, you can cancel your registration

(free of charge), after your first class in case you do not like it. A week after your first class, the registration fee will be subtracted automatically from your account using your bank data and you will not be able to get your money back, so be careful. Registration for the next winter semester starts on the first week of October! Keep in mind the dates published at the Hochschulsport webpage:

<https://www.hochschulsport.uni-stuttgart.de/>

Javier Carrillo

M.Sc. WASTE student, Generation 2018

SPORTS ON CAMPUS

"Learning tango taught me that a dance is a whole art that starts from the second you exchange your first glance with the stranger that's going to be your partner and, no kidding, there are whole classes completely dedicated to getting that right!" – **Salvador Arellano, Gen 2018**

"I thought the Seewasser Kickboxen was really nice. As a beginner, I did not feel left out among other students who knew more than me. The trainer corrected your mistakes and it was very invigorating. The class was in German, so it helped me practice a bit... I loved it and if my schedule would have allowed it, I would have continued." – **Rinusha Maharjan, Gen 2018**

TIPS AND TRICKS FOR THE NEW STUDENTS

Welcome to Stuttgart!

Moving to a new city can be a daunting exercise. M.Sc. WASTE Generation 2018 understands the feelings of uncertainty and the overwhelming excitement, which is what motivated the following spread. A few of us wanted to share what we found particularly useful in our first few days as well as our first year in Stuttgart.

Tips: Christina Zeuner



Christina Zeuner
Picture by Jeramiah D. Photography

The M.Sc. WASTE program is full of great people from many different countries who came to Stuttgart to connect. We are here to build networks and gain international experience. That is why my advice is to get to know the people in your generation and the generations above you! We want to know you too! Come to the events that the program hosts, such as the graduation ceremony, the International Symposium, and the M.Sc. WASTE Intercultural Meetings. If you have questions or concerns, do not be afraid to ask students from other generations, we have been where you are, and we may be able to help. Using the M.Sc. WASTE website list of students from previous generations is also a great way to find connections (most students provided emails to the website). Make connections and develop friendships. Step outside your comfort zone. You have already made a huge leap by coming here, do not stop while you are already ahead.

TIPS AND TRICKS FOR DUMMIES

Tips: Igor Ramos



Welcome Center Stuttgart:

Is an institute that organize many kinds of events. The events are basically for: new students in Stuttgart, job fairs, how to apply for a job in Germany (from CV preparation to interview), entrepreneurship events, learn German, and many others. Totally recommend to add your email in their newsletter, every month you will get the schedule of all the events.

<https://welcome.stuttgart.de/>

Stube - BW:

Are you keen on meeting people from across the globe and acquire further political education? Are you keen on sharing your ideas and experience and have fun at the same time? Are you keen on getting involved and building a better world? Then you have to participate in the Stube Seminars.

There you will meet amazing people passionate for social and environmental change. It is a good opportunity to practice your German, improve on networking, have fun, get inspired, and learn.

Most of the seminars last for 1 weekend in a random city. Food, transportation and accommodation are all included in a fee that is around 15 Euros.

I personally went to a seminar in Ulm for one weekend and the 2 days I spent there changed my mind and narrowed down my life goal. There is one starting in Heidelberg and finishing Hamburg from 2 to 6 of October, I will be there, and you?

Check Annual Programs in the website to see all the available options.

<https://www.stubebw.de/en/>

CIM – Center for International Migration and Development

If you are wanting to go back to your home country at some point of your life after the master, check this institute. With CIM you can get scholarships when moving back to your home country, discover networking facilities for job placement, receive technical support for running a business, and many others helpful resources.

<https://www.cimonline.de/en>

Tips: Hector Cañas



BEFORE coming to Stuttgart:

1. Make certifies copies of all important documents, such as:
 - a. Passport
 - b. National ID
 - c. Language proficiency diplomas
 - d. Drivers License
2. Make sure cellphone can be used internationally
3. Report international usage of credit/debit cards
4. Create agenda for first week in Stuttgart, with definite days for formalities. Checking office hours, appointments requirements, etc.
5. Make sure you pack all of the original documents uploaded on CAMPUS, as they will be needed for completing the registration in the admissions office.
6. Book flight to arrive Stuttgart during a week day, especially if you are moving in into a Studierendenwerk Wohnheim.

Continues >>

TIPS AND TRICKS FOR DUMMIES

First days in Stuttgart:

1. First formality should be to picking up the welcoming package in the International Center (IZ) of the University. Then, open a German bank account if you do not have one. Afterward, register into the Bürgerbüro, this way you will receive a month of free transportation within the Stuttgart Region (Be sure to ask for the information!). Then, you need to get your Health Insurance, usually AOK or TK are chosen by students.
2. Second formality should be to obtain a cellphone SIM card, in order to have mobile internet for any important procedure. You can also connect to Eduroam using your Uni-Stuttgart email in many areas of campus, such as the library (located near the S-Bahn entrance).
3. Buying an important household things such as plates, cutlery, and cups can be made in TEDI's.
4. For purchasing larger appliances, like TV's, Water Heaters, etc. and also a bicycle, can be done through Ebay-kleinanzeigen. This website sells second-hand things which are still in good quality and for a good price.
5. For buying winter clothing, bed linen, etc, Primark has the best variety and with the best price

Tips: Kelly Rini

Did you know you can practice your German language skills with German speaker and in return receive 3 Key Qualification credits towards your degree? All you need is a completed German level of A2 or higher and have one of the following as your native language: Chinese, English, French, Italian, Polish, Portuguese, Russian, Spanish, or Turkish. If you meet these 2 requirements, you can request a Tandem partner through the Sprachenzentrum. If they are able to match a suitable partner for you, then you can enroll in the course „Tandemlernen“.

In this course, you will meet with your partner 12 times and speak for 45 minutes in German and another 45 minutes in your native language. It allows both you and your Tandem partner to practice chatting in your target language. After each session, you will write in your logbook summarizing what you talked about, so you get German writing practice as well! I took this course during my first semester of the WASTE program and enjoyed it very much. It allowed me to practice all the grammar and vocabulary that I learned during the Intensive course offered by the Internationale Zentrum. Sometimes you do not get enough speaking or conversation practice during class, so Tandem is a great supplement to your language learning.

I also learned a lot about German culture from my partner. My Tandem partner is from Bavaria, so we talked about life in Bavaria and some vocabulary in the Bavarian dialect. In return, he has learned about American culture and slang from me. In my opinion, there is no better way to learn the German language and culture than from speaking to a native speaker on a regular basis.





NEWSLETTER

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M.Sc. WASTE Generation 2018 - Picture by Tianyunxin GUO

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**M.Sc. Air Quality Control,
Solid Waste and Waste Water
Process Engineering**

WASTE