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## Recent and Future HYPACK Activities in Latin America.

By Carlos Tejada

The second quarter is almost over (or the first semester if you prefer) and, as in previous years, it has been full of HYPACK activities around Latin America.

Let me share some of them with you all, and also take the opportunity to present some of the upcoming activities for the third quarter:

### ***ADCP DATA COLLECTION WITH HYPACK IN COCHABAMBA, BOLIVIA***

Through our Agent for Bolivia, the MERTIND company, we provided training from March 25th to 29th to the Ende Corani Hydropower plant. The course focused on the use of the ADCP M9 from SonTek. It took place in the dam located in Cochabamba, Bolivia. The trainer, Cristhian Bermudez, had 12 students that learned how to collect and process data with that type of sensor (depths and currents).



### ***MULTIBEAM TRAINING FOR THE ADMINISTRACION NACIONAL DE PUERTOS, URUGUAY***

From April 22 to 26th, we were in Montevideo, Uruguay providing a training for the ANP. They just purchased a brand new RESON T20P multibeam system. During that week we had the opportunity to collect and process some multibeam data as well as to complete several Patch test. This activities allowed them to familiarize with all the tools available in the package to work with this type of sensors. During the visit we could provide to them several

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suggestions to improve their installation of the sensors on board and some other tips to Help them collect High Quality data. Many thanks to the ANP for selecting us as the primary tool to collect single beam and now multibeam data. And also for acquiring DREDGEPACK to be installed in several of their Hopper dredges.



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## **HYPACK SEMINAR IN COLOMBIA**

From May 8 to 10th, we were in Cartagena, Colombia conducting the first HYPACK Seminar in Spanish of 2019. This time we had 39 attendees, some of them from Guatemala and Honduras. We had a chance to show the new features of the software. On this occasion, following the same changes made on the HYPACK Seminar in USA, we didn't concentrate on a particular program of the package, but rather on a particular type of survey and showed the attendees all the tools we have for that



job. On the first day, we concentrated on Single beam Surveys; on the second day, Multibeam Surveys; and on the last (third) day, we showed several tools available to generate all kinds of final products. This seminar was the first one for the new DISSMAN managers. DISSMAN is our Agent for Colombia and did an excellent job organizing the event, and gathering such an interesting and diverse crowd (people from the National Hydrographic Service, from ports, from hydroelectrical companies, and from marine archeology were among them). We wish a lot of success to the new DISSMAN making a bigger HYPACK family in Colombia. Please do not hesitate to contact them if you need anything related to the hydrographic world in Colombia [taller@dissmaningenieria.com](mailto:taller@dissmaningenieria.com) .

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## ***MULTIBEAM TRAINING IN BAHÍA BLANCA, ARGENTINA***

From May 20 to 24th we were in Bahía Blanca, Argentina conducting a multibeam training that was opened to anyone interested in the subject. The course was organized by our reseller for Argentina, INGENIEROS ELECTRONICOS ASOCIADOS. During this opportunity, we used an R2Sonic system owned by the Consorcio Bahia Blanca. They allow us to use their boat and system with no restrictions, so the attendees were able to collect and process multibeam data of very interesting areas of the port. Our special thanks to Consorcio Bahia Blanca for allowing us to use their system and their facilities to provide the course. We could see, first hand, the challenges in the areas they have to work on every day. Also, special thanks to IEA for all of their effort in making this course possible. If you're interested in participating in a similar activity in Argentina, please contact [wjones@ieasrl.com.ar](mailto:wjones@ieasrl.com.ar)



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## ***HYPACK SEMINAR IN PANAMA***

From June 5 to 7, we conducted our second HYPACK seminar in Spanish of 2019. This time the organizer was GEOSYSTEM, our reseller for Panama. We just started working with them last year so this was our first seminar together.

The event took place at the International Maritime University, which has great facilities for all kind of maritime events of this type. Thank you very much to GEOSYSTEM for the organization and execution of the seminar, we got excellent feedback from all the attendees. Also many thanks to the University, not only



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for hosting the event, but for becoming a HYPACK user as well. Shortly, we will provide 10 Academic licenses to the University. This was our event for Central America and, as such, we have people from Costa Rica, Guatemala and Honduras, as well as from different institutions in Panama including the Panama Canal, The Maritime Authority, ENEL, and several others.

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## ***BACKSCATTER TRAINING IN PARAGUAY.***

From June 24 to 27th, we were invited by ITAIPO BINACIONAL to participate in a training to collect and process Multispectral Backscatter. The course included data collection with an R2sonic system that belongs to ITAIPO that also used HYPACK®. There were over 25 participants from different countries in the region who learned about how to use backscatter to do bottom classification. Many thanks to ITAIPO for their invitation and for using HYPACK® as their main software for bathymetric data collection.

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## ***TRAINING VIDEOS IN SPANISH***

Little by little, we are creating more videos in Spanish, so please look for them on our YouTube channel. If you go to the YouTube logo that is in the lower part of our web page, you will get to the HYPACK Channel where you can look for the videos in Spanish. Here a couple of links to some of them more recent ones:

[HYPACK - Archivos de Borde y Lineas Planeadas Dentro de Ellos](#)

[HYPACK - Editor de Lineas](#)

Please keep visiting the web page as we are going to upload more there. Please let us know what you think about this new tool to train yourself in some of the most important HYPACK® features.



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## ***HYPACK 2019 MANUAL IN SPANISH***

Another bit of good news for our Spanish-speaking users is that, thanks to Cristhian Bermudez, we now have available the translation in Spanish of the HYPACK MANUAL. You will soon be able to download a document to review all the changes in 2019 as well as the new features incorporated to the package. Please let us know what you think about the Manual and any other material that you would like to see in Spanish.

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## ***FUTURE ACITVITIES FOR THE THIRD QUARTER OF 2019.***

In the third quarter, we will have our third and last HYPACK Seminar of the year in Spanish. This event will take place in Santiago de Chile, from July 3 to 5. BENTOS is organizing the Seminar, so if you want to participate, please contact Renee Munizaga [renee@bentos.cl](mailto:renee@bentos.cl), who will provide all the information you may require regarding this event. Please take into consideration that we are about to close the registrations for this event.

In August, we will be hosting our first DREDGEPACK® & Volumes class in Spanish, in which we will show our tools for designing navigational channels, as well as our tools for volume computations with CROSS SECTIONS AND VOLUMES and TIN MODEL. In this three-day training, we will show you DREDGEPACK® both in the classroom and on a real dredge. On the last day of the course, we will go onboard a cutter suction dredge to see DREDGEPACK® in action, helping the dredgers to do a more efficient job. The course will be held in Bogota, Colombia. If you are interested, please contact DISSMAN at the following email: [taller@dissmaningenieria.com](mailto:taller@dissmaningenieria.com)