

Regional Workshop Application of the Hydropower Sustainability Assessment Protocol: Experiences and benefits



September 27th -29th, 2017, San José, Costa Rica.

AGENDA – DRAFT 5

| DAY 1 | Wednesday September 27 th , 2017 | |
|-----------------|--|--|
| Time | Activity | Speakers |
| 8:00 - 9:00 AM | Registry of participants | |
| 9:00 – 9:10 AM | Opening - Moderator | |
| 9:10-9:50 AM | Welcome words -Dr. Edgar Gutiérrez Minister Ministry of Environment and Energy, Costa Rica (MINAE) -Eng. Carlos Obregón Executive President, Costa Rican Electricity Institute (ICE) -World Bank - Environment Department or Country Office representative World Bank -Mr. Richard Taylor Director, IHA | |
| 10:00 -10:30 AM | Technical support from the World Bank for the application of the Hydropower Sustainability Assessment Protocol PH Reventazón | Ruth Tiffer-Sotomayor, Technical Assistance Manager, World Bank |
| 10:30-11:00 AM | Coffe | |
| | Introduction to the protocol | |
| 11:00 -11:20 AM | Concepts and Evolution of the Protocol, current and future uses | Richard Taylor Exceutive Director IHA |
| 11:20-11:30 AM | Q&A | |

Continuation of Day 1

| Time | Activity | Speaker |
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| | National experience | |
| 11:30-12:00 AM | Process and Results from the Hydropower Assessment Protocol in its Application to the Reventazón Hydropower Project – Costa Rica. | Doug Smith, Leader Advisor – Golder company. Consulting firm of the World Bank. |
| 12:00-1:00 PM | Discussion Panel – Reflections on the application of the protocol to the Reventazón Hydropower Project in Costa Rica. <ul style="list-style-type: none"> - Engr. Irene Cañas, Vice-minister of Energy - Engr. Javier Orozco, Director of Electrical Planning. - Engr. Ruth Tiffer-Sotomayor, Technical Assistance Manager. - Mr. Emmanuel Boulet, Principal Environmental Specialist, IDB. - Mr. Roberto Salom, Panther (NGO) | Moderator |
| 1:00-1:30 PM | Plenary – questions from participants | |
| 1:30-2:45 PM | Lunch | |
| | REGIONAL EXPERIENCE | |
| 2:45-3:05 PM | Experience with the Protocol, Public Company of Medellin (EPM), Colombia. | Jose Enrique Londoño, Head of the Environment Unit – Power Generation, EPM. |
| 3:05-3:25 PM | Experience with the Protocol, Jirau Hydropower Project – Implementation phase. | Energia Sustentável do Brasil |
| 3:25- 3:45 PM | Experience with the Protocol in Colombia, Sogamoso Hydropower Project. | Miguel Montoya ISAGEN |
| 3:45-4:00 PM | Questions | Moderator |
| 4:00 -4:30 PM | Coffee | |
| 4:30 -5:00 PM | Environmental and Social Management in the ITAIPU Binational Power Plant | ITAIPU- Paraguay |
| 5:00 - 5:30 PM | Challenges on the governance and development of hydropower development in Peru | Ing. Marco Antonio Tello, Head of Project |

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| | | Environmental Evaluation Proyectos, SENACE- Perú |
| 5:30-5:45 PM | Q & A | |
| 5:45-6:00 PM | Closing words for Day 1 | Authority of ICE - MINAE |
| 6:00 – 7:30 | Welcome cocktail | Courtesy of the Organizers |

Day 2: Thursday September 28th, 2017

| Time | Activity | Participants |
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| | International Experience | |
| 8:30 -9:00 AM | The Vietnam experience on the Protocol Application: Trung Son Hydropower Project | Vu Huu Phuc, Director TSHPCo |
| 9:00-9:30 AM | The Nepal experience on the Protocol Application: Kabeli Hydropower Project | Pranav Acharya Chief Environment and Business Relations, Hydro-Consult Engineering Limited (HCE) |
| 9:30-9:45 AM | Questions | |
| 10:00-10:30 AM | Coffee | |
| 10:30-10:50 | The Norway experience on the Protocol Application, Jostedal Hydropower Project | Stephen Sparkes Director for Environment Statkraft - Norway |
| 10:50-11:10 | Experiencia de Canadá en la aplicación del Protocolo, PH Keeyask, Canada | Halina Zbigniewicz, Manager Civil Engineering Manitoba Hydro |
| 11:10-11:30 | Experience in Europe, Blanda Hydropower Project, IHA Blue Planet Prize 2017 (videoconference) | Ragnheiður Ólafsdóttir Environmental Manager Landsvirkj |
| 11:30-11:45 | Questions | |
| 11:45- 12:00 | <i>Group Photo</i> | |
| 12:00-1:30 PM | Lunch | |
| 1:30-1:50 PM | The experience of the application of the protocol in France, PH Romanche Gavet site | Pierre Levasseur EDF, Francia |
| 1:50-2:10 PM | Challenges on Hydropower Development in Honduras | Leonardo Deras |

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| | | Manager of Power Generation, ENEE |
| 2:10-2:20 | Questions | |
| 2:30-3:30 PM | <p>Panel</p> <p>The challenges in achieving hydropower sustainability – how can the Protocol help you?</p> <p><i>Representatives from:</i></p> <ul style="list-style-type: none"> - Rebeca Ramírez-Acosta. National Energy Secretariat, Government of Panama - Paloma Infante M. Chief of the Legal Division, Ministry of Environment, Government of Chile. - Erick Armando Pérez, <i>Coordinator of Renewable Energy, General Direction of Energy, Ministry of Energy and Mining, Government of Guatemala.</i> - Dunia Porras, <i>Technical Environmental Secretariat, Ministry of Environment and Energy. Government of Costa Rica.</i> - Miguel Víquez, Environmental Chief Officer, ICE - <i>-Colombia (ANLA)</i> | Moderator |
| 3:30-3:45 PM | Questions | |
| 3:45 -4:15 PM | Coffee | |
| | Towards the future | |
| 4:15-4:35 PM | New tools and guides for the application of the protocol | Frank Faraday, Manager for Environmental Sustainability, IHA |
| 4:35-4:45 PM | Questions | |
| 4:45- 5:00 PM | Conclusions | Authority from MINAE, ICE, Representative from the World Bank |
| 5:00-5:15 PM | Information for the technical trip to Reventazón Hydropower Project | ICE representative |

Day 3: Friday September 29th, 2017

| Time | Activity |
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| 7:00 AM | Field trip to Reventazon Hydropower Project |

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| 10:00 – 12:00 PM | Arrival at the Reventazon Plant and tour <ul style="list-style-type: none"> - powerhouse - dam - reservoir - ecological flow, archaeological sites - watershed conservation actions |
| 12:00 -1:00 PM | Lunch at the field |
| 1:00 -3:00 PM | Continuation of the technical tour around the Reventazón Hydropower Project |
| 3:30 PM | Approximately Return to San José |
| 7:30 PM | Estimated arrival time to San José |