

## World Bank - Global Program for Safer Schools (GPSS)

### *Paving the way towards safer and more resilient schools*

Tuesday, October 29<sup>th</sup>, 2019, 4:30 pm  
World Bank, HQ Global Hall (MC C1 level), Washington DC

EVENT AGENDA	
Time	Sessions
4:30 – 4:35 PM	<b>Introduction</b> <i>Sameh Wahba (Global Director, Urban, Resilience and Land Practice Group, World Bank)</i>
4:35 – 4:45 PM	<b>Opening remarks</b> <i>Laura Tuck (Vice President, Sustainable Development, World Bank)</i> <i>Annette Dixon (Vice President, Human Development, World Bank)</i>
4:45 – 5:35 PM	<b>High Level Panel Discussion</b> <b>Topic: Key drivers behind resilient school infrastructure</b> <b>Speaker:</b> <i>Fernando Ramirez Cortes (Senior Disaster Risk Management Specialist, World Bank)</i>  <b>The importance of resilient schools in the face of disaster risk and climate change</b> <b>Panelists:</b> <ol style="list-style-type: none"><li><i>Henrietta Fore (Executive Director of UNICEF)</i></li><li><i>Karla Hananía de Varela (Minister of Education, El Salvador)</i></li><li><i>Miho Mazereeuw (Associate Professor, Architecture and Urbanism &amp; Director, Urban Risk Lab, MIT)</i></li></ol>
5:35 – 6:05 PM	<b>Launch of the GPSS global platform for resilient school infrastructure</b> <b>Title: Doing the most good for the most kids - Untangling seismic safety and risk</b> Description: Presenting a risk framework to efficiently improve seismic safety <b>Speaker:</b> <i>David Mar (Project Technical Director, Applied Technology Council)</i>  <b>Title: Setting the course for transformation at scale</b> Description: Experience from the field and application of the Roadmap for Safer and Resilient Schools (RSRS) in Cali, Colombia <b>Speakers:</b> <i>Vivian Argueta (Chief Resilience Officer, Municipality of Cali), Laisa Daza Obando (World Bank)</i>  <b>Title: Decoding school infrastructure resilience</b> Description: Presentation of the Global Library of School Infrastructure (GLOSI) <b>Speaker:</b> <i>Carina Fonseca Ferreira (World Bank)</i>
6:05 – 6:15 PM	<b>Concluding remarks</b> <i>Sameh Wahba (Global Director, Urban, Resilience and Land Practice Group, World Bank)</i>
6:15 PM	<b>Reception</b>

#### Side Events:

##### **Virtual Reality Experience: What your children experience during an earthquake (starting at 3.30 pm)**

*Description: The participant will be sitting in a “classroom” and experience what children must contend with when an earthquake strikes/shakes their school building.*

##### **Sand Art Show: The story of safer schools told through music and sand art**

*Description: The story illustrates various scenes in which children from different countries have been exposed to natural hazards. This is another way of communicating risk and engaging the audience through art.*

## Speaker Biographies (by order of presentation)

	<p><b>Fernando Ramirez Cortes, Senior Disaster Risk Management Specialist, World Bank</b> Fernando Ramirez Cortes is a Colombian engineer with 30 years of experience, including 20 years in the field of natural hazards and disaster risk management (DRM). He is currently leading the World Bank’s Global Program for Safer Schools with activities in more than 15 countries, such as the Kyrgyz Republic, Nepal, Peru, Jamaica, and El Salvador. He has been the task team leader of several CAT-DDOs in the Latin America and the Caribbean region (LAC) and more recently of safer school-related IPFs in Central Asia. He led the Probabilistic Risk Assessment Program (CAPRA) in LAC, among other projects.</p> <p>Before joining the Bank in 2007, he served as a government official in Colombia, as a Project Manager in the Colombian Geological Service, and Head of the DRM Directorate for the city of Bogota. In these positions, he conducted numerous scientific studies of hazards, vulnerability and risk, led the design and implementation of DRM public policies at the national, regional and local levels as well as emergency response programs. He was trained as a Civil Engineer and holds a Master of Science in Geotechnical Engineering from the National University of Colombia.</p>
	<p><b>David Mar, Structural Engineer</b> David has over thirty years of experience designing innovative structures and working to improve seismic resilience at scale. His designs are often inventive and technically ingenious—at the forefront of high-performance seismic and sustainable design. He was the technical director of the Applied Technology Council (ATC) team that worked with the World Bank to develop a seismic risk reduction framework for schools in the Kyrgyz Republic. He was also the technical director for FEMA P-807, the comprehensive evaluation and retrofit guidelines for weak-story apartment buildings in the US.</p> <p>David leads Mar Structural Design, in Berkeley, California. He frequently lectures at the engineering departments of UC Berkeley, Cal Poly SLO, and Stanford University. He received his undergraduate and master’s degrees from UC Berkeley.</p>
	<p><b>Vivian Argueta Bernal, Chief Resilience Officer of the Municipality de Santiago de Cali</b> Vivian Argueta Bernal is the Chief Resilience Officer of Santiago de Cali, Colombia’s third largest city. During her tenure as CRO, Argueta Bernal has led the development of Cali’s resilience strategy, focusing on infrastructure and social resilience in education, the current administration’s investment priority. As general manager of the city’s “My Community, My School” program, Argueta Bernal has overseen the construction of 18 schools and 7 early childhood centers, structural and functional improvements in 150 existing schools, and the realization of countless initiatives to train teachers and principals, involve parents in their children’s education, and provide students with access to art, culture, sports, and digital innovation.</p> <p>Before becoming Cali’s CRO in 2017, Argueta Bernal managed the municipality’s Territories of Inclusion and Opportunities Program. She has more than ten years of experience working on urban development projects in Paraguay, Israel, China, and Colombia, among other countries. Argueta Bernal holds a B.A. in Governance and Conflict Resolution from Harvard University and an M.P.A. in Urbanism and Social Planning from Tsinghua University.</p>



**Laisa Daza Obando, World Bank**

Laisa is a Consultant for the World Bank's Global Program for Safer Schools. She has participated in the design and implementation of in-country activities with a focus on the Latin America and Caribbean Region, as well global activities. She has experience working on the preparation and implementation of lending operations and analytical activities centered on disaster risk management and school infrastructure. She holds a Master of Science in Foreign Service (International Development) from Georgetown University.



**Carina Fonseca Ferreira, World Bank**

Carina Fonseca Ferreira is a disaster risk management specialist and co-lead of the World Bank's Global Program for Safer Schools. She works with Governments around the world to assist in the design and implementation of risk informed investments in order to improve the safety and resilience of school infrastructure. Carina holds a PhD in Earthquake Engineering from University College London with a published thesis on the factors that have driven to the collapse of buildings during past earthquakes in Latin America.