

## Regional Public Goods

### Learning in 21st Century Schools

Fifth Regional Workshop, October 7 to 11, 2013

#### AGENDA

Objectives: The aim of this workshop is to advance the analysis of the changes needed in the design of learning environments in schools of our region, using economic efficiency criteria in investment and incorporating a new aspect, the pedagogical.

Time	Topics	Responsible
<b>Monday October 7</b>		
<b>Plenary</b>		
8:30 – 9:00	<b>Registration</b>	
9:00 – 9:45	Workshop Opening Words IDB Representative in Panama. Brief Introduction on current situation and what we hope to accomplish with the workshop	IDB Representative Dr. Carlos Gargiulo
10:00 – 11:00	Presentation and discussion of educational system innovations outlining new pedagogical trends, requirements and implications of such practices in designing school spaces.	Dr. Luis Benavides Arch. Alberto Treves (moderator)
11:00 – 11:30	Coffee break	
11:30 – 12:30	School Infrastructure and Educational Outcomes: A Review of the Literature from 1990-2012	Lic. Ana Cuesta Arch. Alberto Treves (moderator)
Lunch		
14:00 - 15:30	How environmental variables affect learning. Review of the issues involved in the Environmental and Energy Audit: Physical and environmental measurements, perception survey.	Dr. Gustavo San Juan
15:30 – 16:30	Coffee break	
16:00 – 17:30	Report on Progress in Physical Education Infrastructure Census: Management Module, presentation of the updated Instrument.	Ing. Angeli del Toro Arch. Andrés Díaz

Time	Topics	Responsible
<b>Environmental Audit Group</b>		
<b>Tuesday October 8</b>		
9:00– 10:30	Presentation of the proposed analysis methodology and outputs sought. Detailed audits and progress in numerical simulations (thermal / Energetics)	Dr. Gustavo San Juan Arch. Santiago Hoses
11:00 - 12:30	General and particular conclusions by region. Types of comparisons that you want to make between areas of the country and between countries. Selection of indicators.	Dr. Gustavo San Juan (moderator)
Lunch		
14:00 – 15:30	Division into two groups, case analysis: How environmental variables affect the design? What are the structural and critical variables to be estimated in each country or region? What are the most viable options?	Dr. Gustavo San Juan Arch. Santiago Hoses (moderators)
16:00 – 17:30	Develop recommendations to improve the design of the case study according to educational cost efficiency criteria and propose educational case study links with other similar in the pilot participating countries.	Dr. Gustavo San Juan Arch. Santiago Hoses (moderators)
<b>Wednesday October 9</b>		
9:00 – 10:30	Presentation of the cases studied by the groups, discussion and conclusions.	Technical Team
11:00 – 12:30	Lessons learned in the workshop by the technicians in charge of the analysis and the pilot countries.	Dr. Gustavo San Juan Technical Team
<b>Census for School Physical Infrastructure Group</b>		
<b>Tuesday October 8</b>		
9:00 - 10:30	Presentation and discussion of the updated instrument based on comments received from various sources	Arch. Andrés Díaz
11:00 – 12:30	Presentation and discussion of the survey methodology.	Arch. Andrés Díaz and Juan
Lunch		
14:00 – 15:30	Introducing Management Module proposal: object, features, update	Ing. Mabel Gutiérrez Arch. Andrés Díaz (moderator)
16:00 - 17:30	Discussion: What are the queries that will be resolved through the module? What are the most important variables of this module?. What indicators should we use and how are they calculated?	Ing. Mabel Gutiérrez Arch. Andrés Díaz (moderator)
<b>Wednesday October 9</b>		
9:00 – 10:30	Discussion (continued): What are the queries that will be resolved through the module?. What are the most important variables of this module? What indicators should we use and how are they calculated?	Ing. Mabel Gutiérrez Arch. Andrés Díaz (moderator)
11:00 – 12:30	Discussion: Software's concept map and connectivity. What kind of expected outputs are expected from the software? What kind of combinations would be done with the variables collected? Consensus on the software.	Ing. Angeli del Toro Ing. Mabel Gutiérrez (moderator)
Lunch		

Time	Topics	Responsible
<b>Plenary</b>		
<b>Wednesday October 9</b>		
14:00 – 14:45	Environmental Audit and Energy: Summary and conclusions of the two working days	Dr. Gustavo San Juan y Ing. Carlos Villalobos
15:00 – 15:45	School Infrastructure Census: Summary and conclusions of the two working days	Ing. Angeli del Toro Arch. Carlos Benavides
15:45 – 16:15	Coffee break	
16:15 – 17:30	Discussion: matrix standards and national and regional regulations and suggestions for analysis	Arch. Ricardo Santocono Arch. Eduardo Hennig
<b>Thursday October 10</b>		
9:00 – 10:30	Interaction between components and analysis of how we set up the project so that it serves as the backbone for publication	Arch. Jadille Baza MS. Soledad Bos Dr. Carlos Gargiulo
10:30 – 11:00	Coffee break	
11:00 – 12:30	Continued discussion on the book content	Arch. Jadille Baza MS. Soledad Bos Dr. Carlos Gargiulo
Lunch		
14:00 – 15:30	Discussion of next steps, tasks, responsible, delivery date.	MS. Soledad Bos Dr. Carlos Gargiulo
15:30 – 16:00	Coffee break	
16:00 – 17:30	Open space for the submission of comments and suggestions. Analysis of Next Steps.	Dr. Carlos Gargiulo
<b>Friday October 11</b>		
7:30 – 8:30	Discussion Forum. Introductions. What is the project doing?	Arch. Alberto Treves Dr. Carlos Gargiulo
8:30-8:50	Potential topics: Situation of the school infrastructure in Panama, environmental aspects, school space use to facilitate learning, zones of difficult access.	Education Ministry
9:00-9:20	Potential topics: Challenges and possibilities of the architecture in Panama and of school buildings in particular. How does the School of Architecture prepare its students for these challenges? New technologies and constructive systems to increase efficiency, control costs and improve durability.	School of Architecture Arq. Ricardo Ortega
9:30-9:50	Potential topics: New trends in education. Physical spaces needs from the point of view of educators. Uses of education technologies.	
10:00-10:30	Coffee break	
10:30-12:00	Discussion: how could the project support the school infrastructural change in Panama?	