SENAI in Paraná Center for Sustainable Solutions: increasing ESD awareness through sustainable construction and technologies
SENAI IN PARANÁ

- RCE - Curitiba - Paraná
- Brazil, South America
- SENAI in Paraná (National Service of Industrial Apprenticeship in Paraná)
- Our role is to provide professional and technical education and industrial technological innovation
- Sustainability - commitment of our Regional Director

- RCE - Curitiba - Paraná Partners - institutions: UFPR, UTFPR, PUC-PR, Senai in Paraná
RCE PROJECT

- SENAI in Paraná Center for Sustainable Solutions: increasing ESD awareness through sustainable construction and technologies

- Thematic areas: Sustainable consumption and learning & Youth

- Focus on: Capacity development; Community engagement; Material development; Networking; Policy engagement

- September 2013 - SENAI in Paraná launched the SENAI Center for Sustainable Solutions - 159.20 m²
- created to promote new technologies applied to sustainable construction, energy and environment.... but afterwards much more...
- Space for discussions and activities related to ESD (students, community, enterprises and industries, video, educational texts and more)
PARTNERS

- TECVERDE - responsible for the wood frame sustainable constructive system, which reduced the environment impact during the project implementation;
- MADEPLAST - manufacturer of the environmentally friendly deck, made of ecological wood (composite of wood residues and recycled plastic);
- PHOTOVOLTAIC ENERGY - is the energy obtained by direct conversion of light into electricity through the photovoltaic effect;
- FORPLAS - stairs manufacturing using eucalyptus reforested wood;
- PLACLUD - manufacturer of cement slabs used for external coating;
- ECOTELHADOS & STUDIO ARQBOX - green roof supplier (grass and assembly of green roof system) and sustainable architecture, including natural ventilation and lighting;
PARTNERS

- SCHNEIDER ELECTRICS & QUALITÁ ACABAMENTOS - intelligent management system of the Center’s environment, such as air-conditioning, lighting, communications, security and energy, all controlled at any time and from anywhere;
- VOVENDIS ECO-CONSULTING & DEVELOPMENT - oil treatment for preserving and providing final finish to girders and beams;
- PORTAS J.ANTUNES - doors manufacturing using eucalyptus reforested wood;
- FORBO - ecological floors;
- SENAI + DESIGN - internal environment, comprising design and development of the working stations and panels;
- STATE MINISTRY FOR FINANCE AND ECONOMIC AFFAIRS OF BADEN-WÜRTTEMBERG - assistance in transferring the wood frame technology to Brazil and search for other partners.
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- Wood frame construction system

Virtual Tour: http://www.senaipr.org.br/nucleo-de-sustentabilidade/
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- photovoltaic panels providing energy

- alternative sustainable materials - e.g. plastic wood
SOME RCE MEETINGS AND ACTIVITIES

- RCE - Curitiba - Paraná - Participation on the 2013 Grand Rapids RCE Virtual Youth Conference of the UNU RCEs: A Regional Perspective on Water and Sustainability (May 2013)
SOME RCE MEETINGS AND ACTIVITIES

- RCE - Curitiba - Paraná - Launching of the CRIE 3 magazine (April, 2014)
SOME OTHER MEETINGS

- PRME Chapter Brazil Meeting (May, 2014)
EDUCATION FOR SUSTAINABLE DEVELOPMENT……

…… is our commitment!

SENAI in Paraná
SUSTAINABILITY TEAM

THANK YOU!

ALSO SPECIAL THANKS TO:
RCE PARTNERS - CURITIBA - PARANÁ - BRAZIL
RCE - AMERICAS
UNU - IAS

COMING UP NEXT FEBRUARY
International Students Conference on Urban Sustainability
(ISCUS), details at:
http://www.unilivre.org.br/iscus/
(students abstracts deadline: Nov. 25th, 2014)