

WTDC 2017

“E-Waste Pilot Plant Project”

Cooperation agreement between
International Telecommunications Union and
Universidad Nacional de La Plata (E-Waste Program)

Lic. Javier Díaz – Secretary of Institutional Relations – UNLP



UNIVERSIDAD
NACIONAL
DE LA PLATA

UNLP E-Waste Project

Turning a problem into Solutions and Benefits since 2009
Inclusion + Environmental Protection + Education

MAIN ACTIVITIES

- ✓ Computer Reconditioning Center (CRC)
- ✓ Donations to Public Welfare Institutions (Digital Divide and Inclusion)
- ✓ Technological Reuse of Electronic Waste
- ✓ Environmental Awareness and Education
- ✓ PC Assembly and Repair Courses and Professional Practices in Schools (Social Reinsertion)



Actions of the E-Waste Program



Beneficiaries include NGOs and Public Welfare Institutions or institutions with social, cultural or educational goals

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Alumnos Fac. Informática



Comedores



Esc. Técnica



Esc. UNLP



Esc. Lobos

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Results →

Results

Over **180.000** students **benefit** from **donations**.

Over **800** students **trained** in **Assembly and Repair**

Over **400.000** members of public **reached** with **awareness campaigns**

Over **210** events

Over **200** press releases

Awards and Distinctions

- ✓ **First Place** at “Digital Inclusion 2009”, granted by the **Secretary of Communications of the Nation**. 2009
- ✓ **First Place** at the **World Bank** awards for the project “Inclusion of vulnerable youth in productive activities”. 2012
- ✓ **Provincial Interest Award** by the **Government of the Province of Buenos Aires**. 2012



Mention

Granted by ECONORMAS MERCOSUR for the implementation of “Good Practices in Environmental Management and Cleaner Production”. 2014

International Awards

✓ **WSIS Prize 2016 Champion** in category “**ICT Applications: E-Environment**” for Project “**E-Waste: Ecological Approach to the Digital Age**”. Granted during the **World Summit on the Information Society** organized by the **UN and ITU**.



Currently

✓ **Preselected for the UNESCO-JAPAN Prize on Education for Sustainable Development 2017.**

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E-WASTE Pilot Plant Project

GOAL:

To establish an Experimental Pilot Plant that can provide concrete answers to electronic waste issues in Cities according to SDGs.

Project:

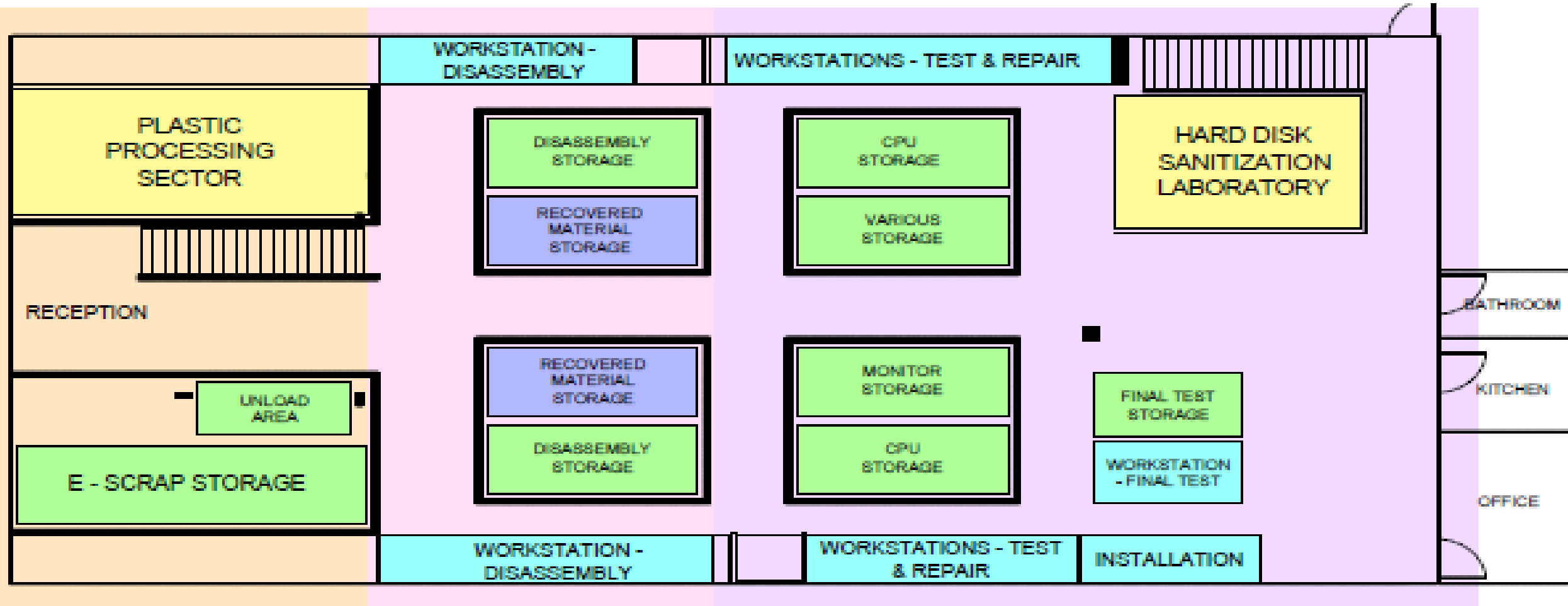
- **Time Frame: 9 months**
- **Status: Ongoing**
- **Area of Action: Climate Change**
- **Implementing Agency: ITU**
- **Beneficiary Countries: Argentina**
- **Location: La Plata, Province of Buenos Aires, Argentina**
- **ITU Project Director: Maritza Delgado**
- **UNLP Project Leader: Viviana Ambrosi**

Activities and Advances

Gradual experience applying ITU and International Recommendations.

- ✓ **Analysis of elements to revalue**
- ✓ **Specifications and acquisition of equipment**
- ✓ **Redesign of the plant layout**
- ✓ **Site preparation (furnishings, telecommunications, power, others)**
- ✓ **Staff recruiting and training**
- ✓ **Strategic alliances and partners**

Redesign of the Plant Layout



Specifications and acquisition of equipment

Recycling grinding machine



Foldable Hydraulic Engine Hoist



Hydraulic pallet truck



Pneumatic screwdriver and Electric screwdriver



3 phase air compressor



Electronic Scale up to 2000kg.



Electronic balance



KillDisk Ultimate



Software solution for
small to medium size
sanitation
workstations & servers

Demagnetizer Hard Drive



Crunch Hard Drive



Strategic Alliances and Advances

- ✓ **Government of the Province of Buenos Aires (Agreement and transfer of warehouse)**
- ✓ **Scrap (Agreements: SILKERS, SCRAP&REZAGOS, DALAFER)**
- ✓ **External consultant (Lic. Gustavo Protomastro)**
- ✓ **Cámara Argentina de Industria Recicladores Plásticos (CAIRPLAS)**
- ✓ **RETEPLAST (Industrial Plastics Recovery Company)**
- ✓ **RECYCOMB and LOMA NEGRA**
- ✓ **Centro Experimental de la Vivienda Económica (CEVE)**
- ✓ **Unidad de Investigación, Desarrollo, Extensión y Transferencia Gestión Ambiental UIDET GA (Engineering School of the UNLP)**
- ✓ **Free Internet Provider (FIBERTEL)**
- ✓ **Municipality of La Plata (Meetings)**

Acknowledgements

- ✓ **International Telecommunication Union (ITU)**
- ✓ **Brahima Sanou - Director of the ITU Telecommunication Development Bureau**
- ✓ **Cosmas Zavazava - Chief of the Projects and Knowledge Management**
- ✓ **Government of the Province of Buenos Aires**

Thank you!

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<http://www.itu.int/net4/ITU-D/CDS/projects/display.asp?ProjectNo=2ARG17013>



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