

**PARANÁ STATE GOVERNMENT
CIVIL DEFENSE STATE COORDINATION
PARANÁ STATE UNIVERSITY**



**CENTRE FOR RESEARCH AND STUDIES
IN DISASTERS**





PRESENTATION

The CEPED/PR is a body of support of CEDEC, Civil Defense State Coordination, and UNESPAR, PARANÁ STATE UNIVERSITY, legally sustained by:

- *State Law n° 19.848/2019*
- *State Policy of Civil Defense and Protection - Law n° 18.519/15 (PEPDEC)*
- *State Web of Research, High Education, Extension and Technology Innovation for the Disaster Risk Reduction in Paraná State - State Decree n° 12.445/2014 (REDESASTRE)*

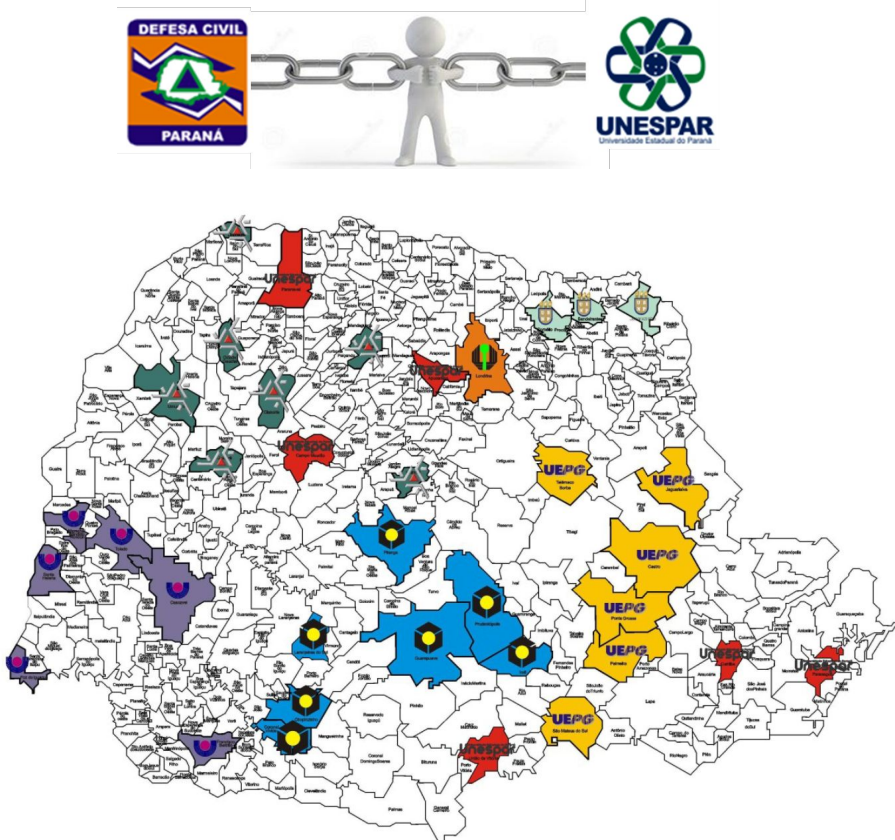
Since 2013, The Centre of Study and research on Disaster is strengthen the relation between the academy and public administration seeking advances in the disaster risks management to the Paraná State.

Works as a convergence core between public and private institutions, to develop, sustain and financing projects progetti and events, research focused on research and technology, bringing knowledge, development and improving the human resource involved in the path.



MISSION

Encourage teaching, research, extension, and technological innovation to strengthen the development and risk and disaster management in the State of Paraná.



Place of the campi from the seven State Universities of Paraná



Timeline

2011

Águas de Março - disaster decurrent from the rains in the Paraná's coastal area that changed the state vision of DRR.

2013

State Decrete nº 9.538 Dec Centre of Study and research on Disaster - CEPED/PR, by the State Decrete nº 9.557 Dec 6th 2013.

Memorandum of Understanding between UNESPAR and UNISDR/ROAM based on the Sendai Framework by CEPED/PR

2015

State Policy to the protection and civil defense - State Law nº 18.519/15.

Development of SISDC - A Data Base System from the Paraná Civil Defense.

The State Decrete nº 12.445/2015 established CEPED/PR as the manager of the DRR network.

2012

Publication of the National Policy of Protection and Civil Defense - PNPDC (Legge Federale 12.608/12)
Begin of PROJETO FAUNA - project by APPA and UNESPAR *campus* Paranaguá

2014

Joint Resolution 001/2014 from CASA MILITAR and UNESPAR.

Creation of a Parana State Network of Research, Teaching, Extension and Technological Innovation in DRR by the State Decrete nº 12.445/2014.

2016

Memorandum of Understanding between the CEPED/PR, Sanepar and World Bank.

Realization of the congress: I CBRRD - I Congresso Brasileiro em Redução de Risco de Desastres.

2018

Agreement
Technical-Scientific and
Operative between
CEPED/PR and APPA n°
041/2018 and n°
054-2018/APPA

Promotion of the seminar: I
SEREDE - I Seminário
Estadual de Redução de
Riscos e Desastres

2022

Start of the Restec-Gesp -
State Programme of Tech
Residence in Public
Security Management - a
Postgrad programme
developed with the first
offer alla offerta della
prima esperienza
professionale dei studenti
presso alla Segreteria di
Sicurezza Pubblica del
Paraná, coordinato dalla
SESP e dall'UNESPAR per
mezzo del CEPED/PR

2019

PARERE CEE N° 77/19, Issued
as part of the UNESPAR
REREDITING PROCESS .

Renewing of the MoU of
UNESPAR AN UNISDR
regarding the Sendai
Framework.

State Law n° 19.848/19

2023

PROJETO FAUNA - Brigada
Voluntária - Project of
volunteer training in the
rescue of marine wildlife.
The last part of the APPA's
partnership.

2025

Restec-Gesp II - beginning
of the second edition of the
State Programme of Tech
Residence in Public Security
Management.

Promotion of the congress
VI SRA-LA 2025.

2011

Águas de Março

Disaster of March 11th 2011

- ✓ 234.8 mm of rainfall accumulated in 48 hours;
- ✓ Peak of 40 mm per hour;
- ✓ More than 28,000 affected people;
- ✓ 7 towns;
- ✓ More than 2,500 accidents;
- ✓ Estimated cost of USD 120 million



2011

The disaster spotted the points

- ✓ Increasing of disaster frequency and extreme events in Brazil and Paraná State;
- ✓ Focus on the actions of response and the institutions integration difficulty;
- ✓ Decisions took without technical-scientific base;
- ✓ Distance between research, teaching and management;
- ✓ Lack of knowledge the disasters impact.

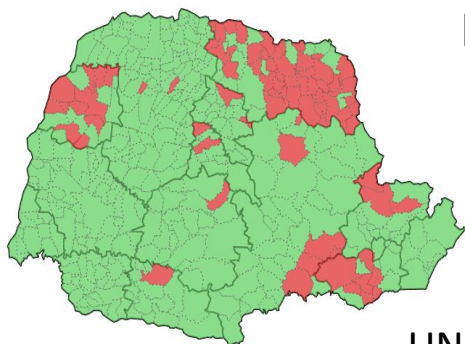




2013

MEMORANDUM OF UNDERSTANDING CEPED/PR - UNISDR

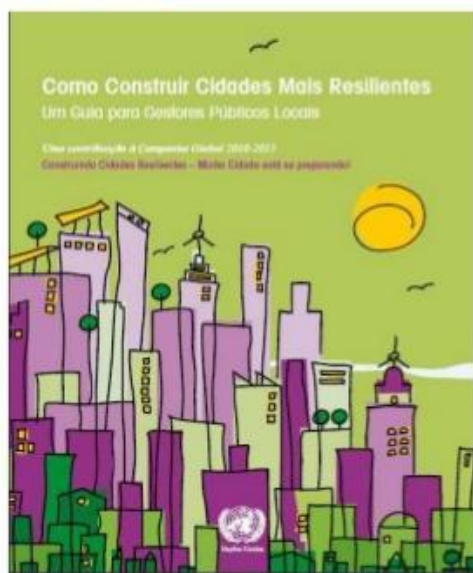
From 399 municipalities of
Paraná State, 80% agreed to
the Making Cities Resilient
Campaign



UN Office for Disaster Risk
Reduction
Making Cities Resilience Campaign



CAMPANHA MUNDIAL PARA A REDUÇÃO DE DESASTRES



Campanha Mundial
Construindo Cidades Mais Resilientes
Minha cidade está se preparando

Objetivos

Alcançar a resiliência urbana e o desenvolvimento sustentável de comunidades através de ações dos governos locais para reduzir o risco à desastres



Conhecer melhor



Investir sabiamente



Construir de uma forma segura



REDESASTRE



Development of the CEDEC Data Base System to the record incidents registered in the Civil Defense field, the SISDC (Sistema Informatizado de Defesa Civil do Paraná). This project was recognized during the Third UN World Conference on DRR, in Sendai on 2015, with an award, the CEDEC personal received the prize during the event.



2016



Call 01/2016 - REDESASTRE/SANEPAR

- ✓ Development of 14 research projects;
- ✓ More than 50 scholarship awarded;
- ✓ 45 Technical-scientific publications ;
- ✓ 3 Registered patents.



2016



Multimedia studio financed by the partnership of CEPED/PR, SANEPAR, and World Bank



2018

Memorandum of Understanding APPA-CEPED/PR APPA 44/2013-2018 / APPA 54/2018-2023

Partnership with l'APPA, Agency of the Ports of Paranaguá and Antonina, to structure, implement and management a specialized base in fauna rescue and oil decollization in cases of environmental accident on the Estuarine Complex of Paranaguá (CEP)

PROJETO FAUNA – INTERVENTO DELLA BRIGATA VOLONTARIA IN SITUAZIONI DI EMERGENZA

UNITÀ DI DEPETROLIZZAZIONE



INCIDENTE



CENTRALE DELLA BRIGATA

FUNESPAR

BANCA DI DATI



SISTEMA DI ALLARME



BRIGATA VOLONTARIA



2019



REDESASTRE

“In the municipalities of Paraná, Brazil, CEPED promoted the Resilient Cities Campaign as a tool to strengthen risk management capacities. The University Center launched a network of 23 public and private sector institutions at the state, federal, and international levels, called REDESASTRE.

This is the first thematic network officially established in Brazil to promote cooperation and scientific and technological exchange with the aim of reducing disaster risk. Thanks to its plurality of components, the network has proven to be a success and a valuable resource for over 80% of municipalities in Paraná that aim to promote resilience in their cities.

”.



Pinheiro, E.G., G. Cova, L. Frates Simiano, M. Noli da Fonseca and D. Stringari (2019). **Redesastre: A Contribution from Paraná to the Management of Disaster Risk in Brazil.** GAR19 Contributing Paper, UNISDR.



I CBRRD 2016 I CONGRESSO BRASILEIRO DE REDUÇÃO DE RISCOS DE DESASTRES

734 participants
242 participants in pre-congress courses
40 speakers
32 evaluators
23 professors of pre-congress courses
266 accepted publications



I SEMINÁRIO PARANAENSE DE PESQUISAS EM REDUÇÃO DE RISCO DE DESASTRES

07 a 09 de novembro de 2018

CURITIBA - PARANÁ

I SEREDE 2018 I SEMINÁRIO PARANAENSE DE PESQUISAS EM REDUÇÃO DE RISCO DE DESASTRES

242 participants
58 participants in SEPADAM
25 speakers
21 evaluators
10 professors of pre-congress courses
40 accepted publications



VI SRA-LA 2025 VI CONGRESSO DA SOCIEDADE DE ANÁLISE DE RISO LATINO-AMERICANA

725 participants
329 participants in pre-congress courses
37 speakers
25 evaluators
15 professors of pre-congress courses
135 accepted publications

FUNESPAR

A distinctive feature of CEPED/PR is that it has the support of FUNESPAR - Foundation for the Support of the Development of the State University of Paraná.

Thanks to the foundation, it is possible to implement, manage, and provide technical support to projects in partnership with municipalities, public agencies, private entities, and national and international organizations, with legal certainty, in an agile and transparent manner.

It is this support that allows us to transform knowledge into concrete actions, that is, to invest in resilience.

www.funespar.org

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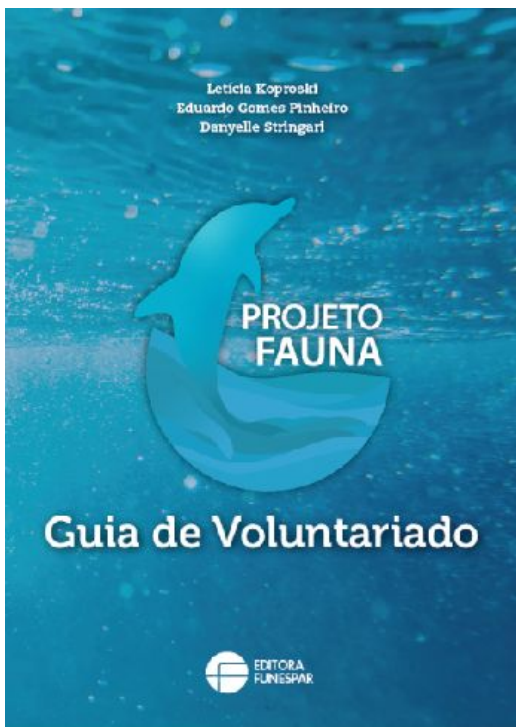
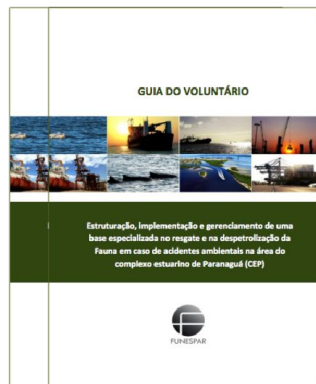
**Científico e Técnico
em apoio à natureza**

Consultoria, auditoria e assessoria

PUBLICATION

The technical-scientific publications written by CEPED/PR are available in EDITORA FUNESPAR website.

<https://funespar.org/editora-funespar/>



PERSPECTIVE

The CEPED/PR is planned to be self financing, seeking funds and concentrate its activities according the needs of the State System of Civil Defense:

DEMAND FROM CEDEC AND OTHER DEPARTMENTS



DEMAND ANALYSIS BY CEPED AND RESOURCE FIND TO FINANCING THE RESEARCH PROJECT



MOBILIZATION OF THE INVOLVED MEMBERS TO DEVELOP NECESSARY RESEARCHES AND STUDIES



FEEDBACK TO CEDEC ABOUT THE FOUND RESULTS



Major QOBM Daniel Lorenzetto
Director of CEPED/PR

Major in the Paraná Military Fire Brigade (BMFR), Educator, Bachelor's Degree in Tourism, Master's Degree and PhD Candidate in Forest Engineering. Instructor for the Officer Training Course at the Guatupê Military Police Academy, Head of the Disaster Division and Director of the Center for Disaster Studies and Research. Performs operational activities for the prevention and fighting of urban and forest fires, search and rescue, underwater operations, and civil protection.

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Profa. Dra. Danyelle Stringari
Academic Director - CEPED/PR

Biologist, Master's Degree and PhD in Genetics. Associate Professor at UNESPAR, in the Master's Degree in Coastal and Island Environments (PG-PALI) and in the Department of Biological Sciences. As director of CEPED/PR, she participates in and coordinates environmental projects for disaster risk management. President of FUNESPAR and the Society for Risk Analysis Latin American.

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Dra. Daniele Solana Minozzo
Agente di Internazionalizzazione

Bachelor's degree in Tourism, Master's degree in Tourism Economics and Management, PhD in Public Planning and Governance. Develops research projects, organizes events, and manages the international relations of CEPED/PR.

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CEPED/PR

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