

Smart City Project - Floripa Waste Zero Platform


Introducing the Initial Scope and Version 1.0



History & International Scientific Technical Cooperation

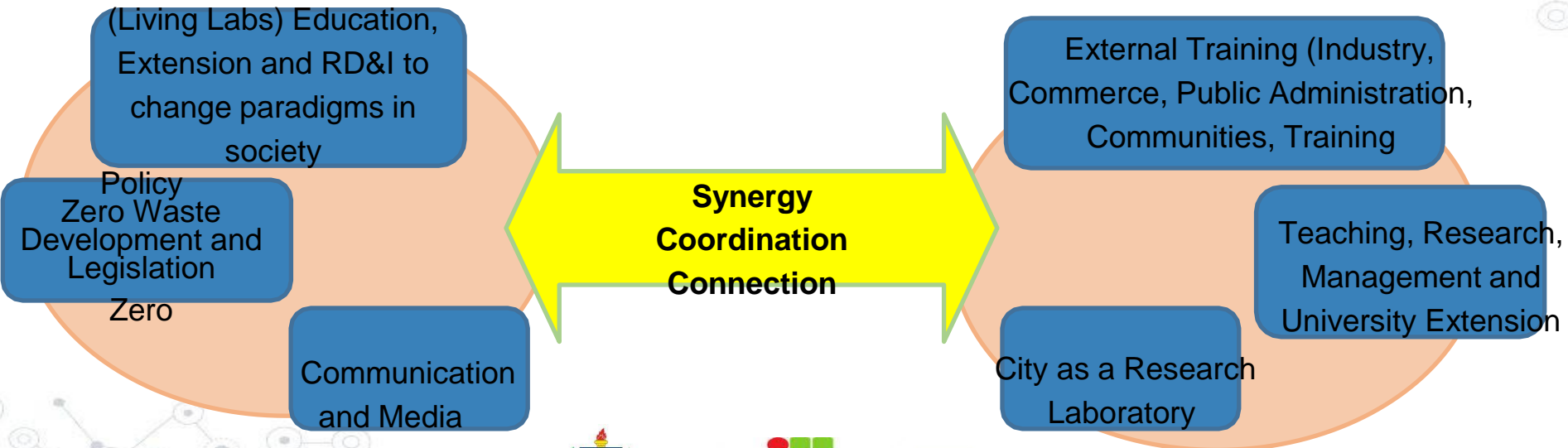


Rittl Consultoria & Assessoria and CTMGEO. Innovation Partnership (NDA) to develop the project with the Municipal Secretariat for the Environment and Sustainable Development. MVP

- ©Project under development since 2017 in Florianópolis;
 - © Approval of Cap. of external resources unanimously CMI (Municipal Council of Innovation);
 - © National and international academic support;
 - © Joint creation Residumeter MVP (Sustainable development indicators);
 - © Preparation Term of Reference and Initial Rounds for bidding;
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Activism ↔ Education / Research, Development & Innovation - RD&I:
Differences, Opportunities and Synergies for the construction of Zero Waste
Cities

[Article Access
Link](#)



Purpose

- © Implement, in an articulated and sustained manner in the principles of the law, planning actions and structuring of an integrated solid waste management model in Florianópolis on an online public digital platform based on Open Source Geographic Information Systems, 5G systems, IOT, among others technologies.
- © Considering the guarantee of economic development, due to the potential in the municipality for the creation of new businesses and the capillarity in the generation of jobs, through the promotion of circular, creative, collaborative economies and also in the promotion of innovations that support the construction of a garbage city zero

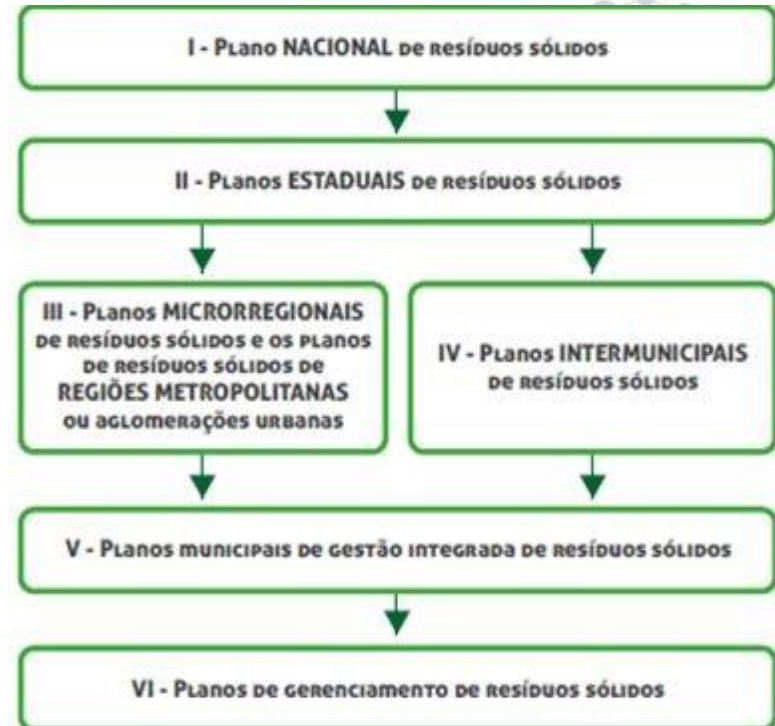
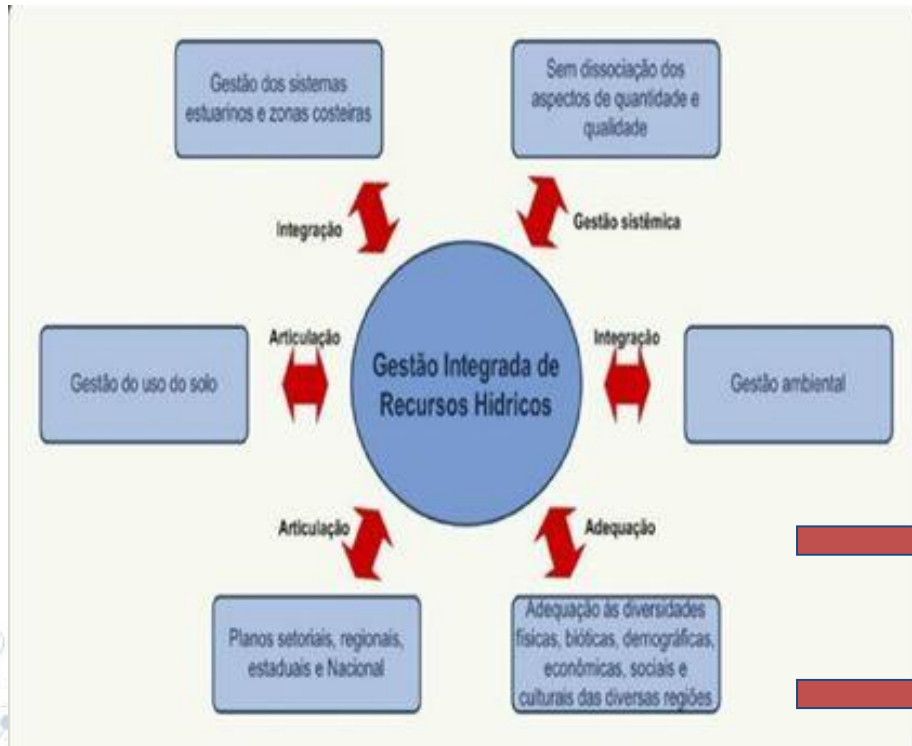
Objetivos

- ◎ Rever o **Cadastro Técnico Multifinalitário** do Município de Florianópolis como base da **gestão municipal inovadora**;
- ◎ **Diagnosticar** e **mapear** todos os sistemas, atores e organizações existentes e **operantes no setor de Resíduos Sólidos** no município e Estado (âmbito municipal);
- ◎ **Capacitar** e **treinar** atores, organizações e instituições para levantamento de requisitos e concepção da nova plataforma de gestão de resíduos municipal;
 - **Integrar** todos os sistemas mapeados em uma **única plataforma comum web-sig (cyberespaço)** ;
- ◎ Desenvolver um **Sistema de Informações Municipais de Resíduos** com dados atualizados em tempo real, relatórios gerenciais, etc..
 - Desenvolver manuais de **implantação e uso** do sistema

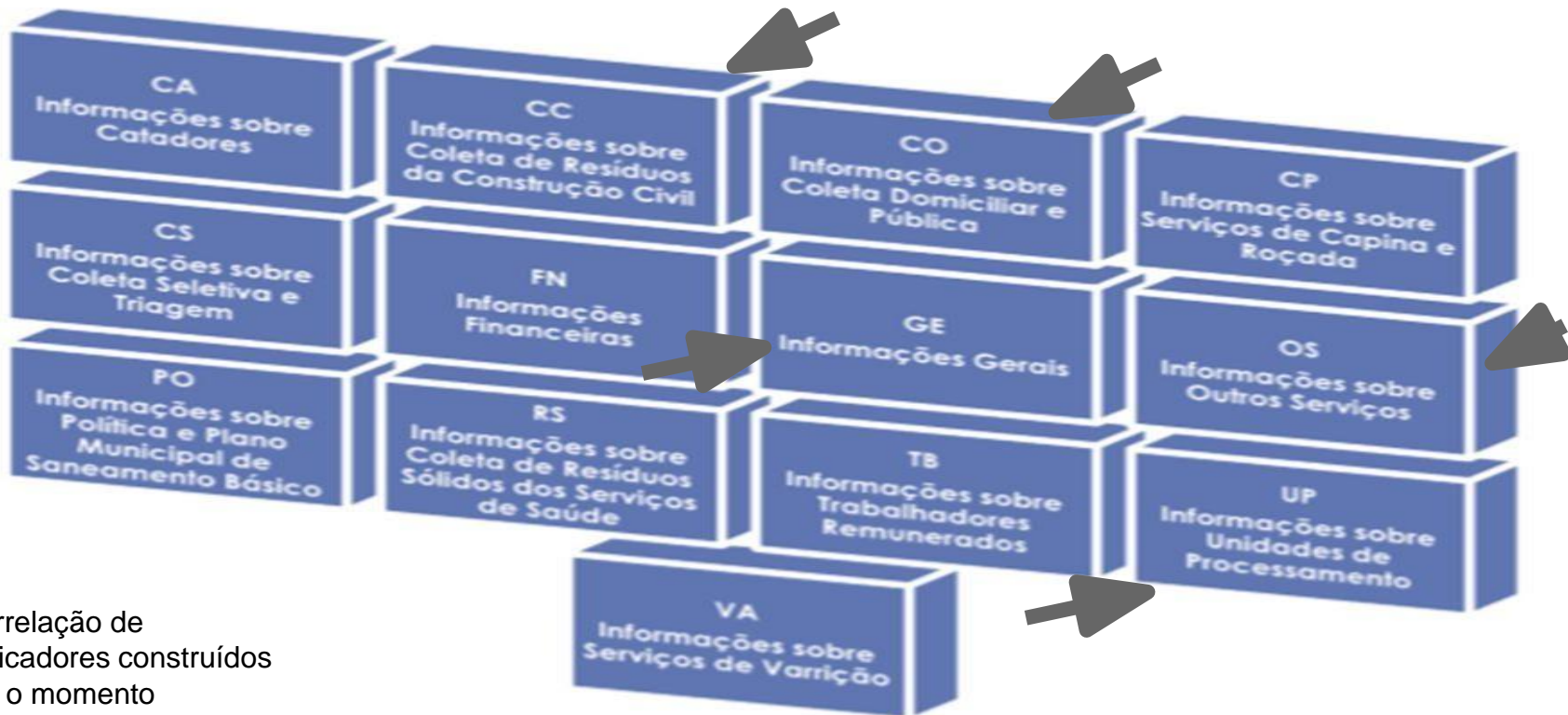
Proposta de Valor

- ⦿ Criar Plataforma WebSig Pública como Ferramenta de Planejamento, Gestão e Controle para o programa Florianópolis Capital Lixo Zero;
- ⦿ Solução inexistente nos municípios brasileiros;
- ⦿ Ferramenta para o desenvolvimento econômico, social e ambiental do município;
- ⦿ Implementar o CTM como ferramenta inovadora de gestão municipal;
- ⦿ Promover a Inovação Sistêmica no município por meio do desenvolvimento de arranjos institucionais e produtivos entre governo, iniciativa privada e terceiro setor.

Hierarchies of Territorial Planning Tools According to Brazilian Legislation. Innovation and Integrated Management of Environmental Sanitation Plans - Zero Waste Cities



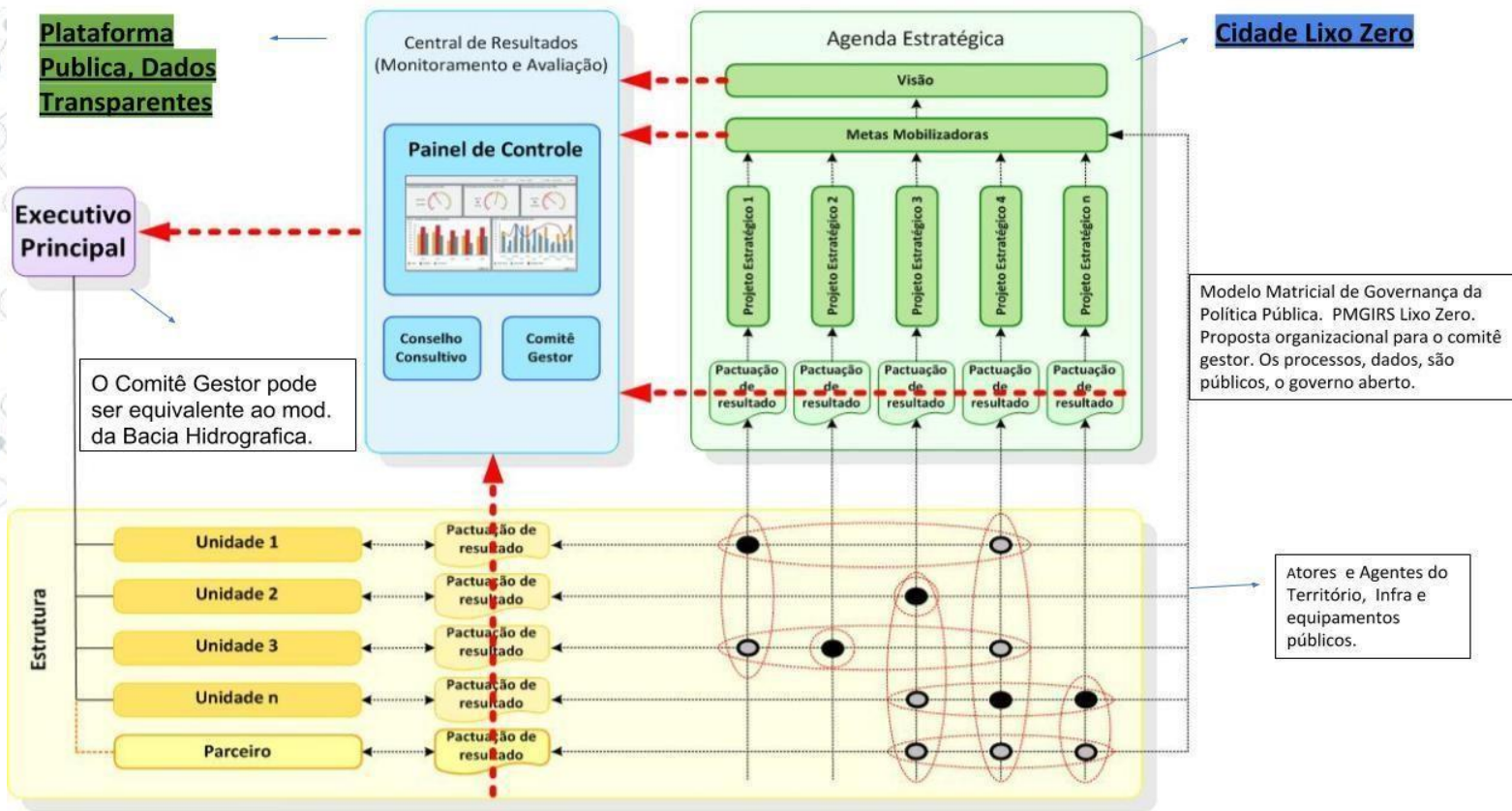
Integração e Interpolaridade com os Sistemas de Informação Nacionais - SINIR



Correlação de Indicadores construídos até o momento

Result Agreement and Governance System for Zero Waste Cities. Matrix Management of Public Policies

Integration of multiple agents, organizations and actors to achieve common results and goals



Systemic Innovation in Public Management - Floripa Trash Zero Platform. Current Platform Design

PREFEITURA DE FLORIANÓPOLIS Digite um cadastro, endereço: Entrar

GeoPortal **Informações** **Camadas**

▼ **Cadastro Imobiliário**

Loteamento:
Quadra: , Lote:
Inscrição:

Cadastro: cadastros

Localização

Logradouro	Nº
Bairro	Complemento

Informações Territoriais

Área	Testada Principal	Testada Secundária
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Informações Prediais

Área unidade (m²)	Área Total Construída (m²)
Parâmetro	Valor
Tipo Construção	
Utilização	

▶ **Mapas Temáticos**

▶ **Rotas**

Mapa

Satélite

Navegar Identificar Medir Rota Processo Digital

UTM SIRGAS 2000 GRAU DECIMAL GMS
X: 738123.8614, Y: 6046813.0008

Google

Atalhos do teclado | Imagens ©2023, Airbus, CNES / Airbus, Maxar Technologies | 200 m | Termos de Uso | Informar erro no mapa

Termos e Condições de Uso - CTMGEO Soluções em Geotecnologias Ltda.

Access Link: <https://lixozero.ctmgeo.com.br:10085/geo-view/index.ctm>

Digitalization of public services related to voluminous solid waste and civil construction.

1 Collection Feasibility Certificate;

1. Collection Start Request;
2. Annual Waste Generation Report;
3. Collection Participation Certificate;;

1 Voluminous Waste Collection by Scheduling

2 Denunciation of Irregular Waste Disposal;;

3 Registration of Solid Waste Carriers

4 Annual Report of waste transporters

- 1. Registration of Solid Waste Disposers**
- 2. Annual Report of Solid Waste Disposers**

6 Civil Construction Waste Management Plan - PGRCC

Voluminous Waste Collection Scheduling (Training given to city hall)

Group dynamic

- 1 Download the GeoCitizen App
- 2 make a simulation
- 3 Contributing Users - Technicians do simulation
- 4 Analysts - Process Control
- 5 Field Teams (Waste Collection



GeoCidadão AL +4

CTMGEO - Soluções em Geotecnologias

★★★★★ 5,0 • 3 avaliações

Grátis

This is an application designed for you, a conscious citizen who wants to be participative and collaborative. GeoCidadão uses georeferenced electronic processes and facilitates communication between the taxpayer and the public body.

Be a more participative citizen and collaborate for the continuous growth and sustainable development of your city, through geotechnology and innovation

Let's Innovate and Create a Smarter City? A Zero Waste City? Next steps?



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