

EVIDENCE ON DATA ON CLIMATE-RELATED FINANCE FLOWS

STUDY CASE: Municipal Climate Change Profiles, Risaralda, Colombia

Evidence on:

Domestic climate finance flows, particularly national and subnational climate-related investments and expenditure:

COLOMBIA CONTEXT ON MONITORING SYSTEMS THAT CAN BE USED FOR CLIMATE CHANGE TRACKING PURPOSES:

- Colombia has a public information system for tracking and reporting public expenditure at Municipal and Department level (Municipalities are the basic planning unit that politically and geographically belong to a department). The system is known as CHIP¹ and the National Accounting Office (in Spanish CGN) manages it.
- FUT (single territorial formulary) refers to the format that contains the list of categories and subcategories, which represent a sector, such as housing, agriculture, environment, education, and others. Both municipalities and departments report every trimester their public expenditure through the listed categories.
- Since 2016, thanks to an agreement among Technological University of Pereira –UTP–, CARDER (the Regional Environmental Institution) and Risaralda Department, the research group GAT (Gestión Ambiental Territorial as it stands is Spanish) has been making “municipal climate profiles”. These are technical documents to be considered in the land planning municipal tool in order to be prepared for negative climate change impacts, as well as identifying new business opportunities.
- GAT team filtered FUT subcategories based on their potential to contain activities directly related to climate change, and marked those subcategories as mitigation, adaptation or both. The municipal climate change profiles have a chapter that shows the possibilities for the public administration to invest in climate change and report it just by using their regular public expenditure format (FUT).
- Recently were added new subcategories addressing directly climate change, however, climate change does not belong to one sector. Different FUT categories have activities related to climate change (agriculture, housing, waste management and others) despite of not being recognized as so, now.

EXAMPLES TAKEN FROM RISARALDA MUNICIPAL CLIMATE PROFILES: EVIDENCE ON PUBLIC EXPENDITURES AT SUBNATIONAL LEVEL

Examples 1: Data aggregation by administrative periods

Table 1. Municipal public investment FUT subcategories related to Ecological structure category, reported to CHIP monitoring system with potential to contribute to climate change, Mistrató Municipality, Risaralda.

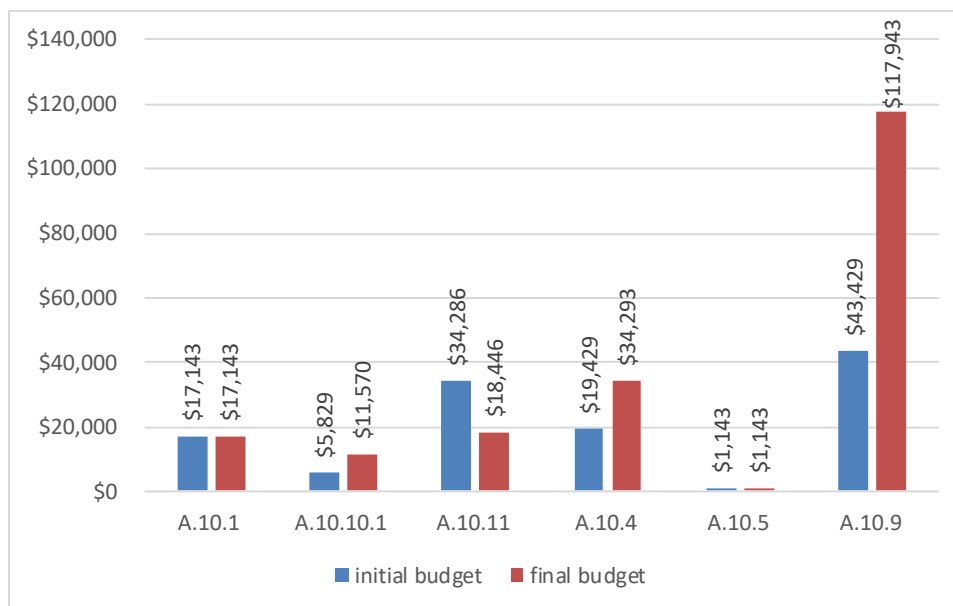
CODIGO	INVERSIÓN
A.10.1	DESCONTAMINACIÓN DE CORRIENTES O DEPÓSITOS DE AGUA AFECTADOS POR VERTIMIENTOS
A.10.10.1	ADQUISICIÓN DE ÁREAS DE INTERÉS PARA EL ACUEDUCTO MUNICIPAL

¹ Available in www.chip.gov.co

CODIGO	INVERSIÓN
A.10.11	REFORESTACIÓN Y CONTROL DE EROSIÓN
A.10.4	MANEJO Y APROVECHAMIENTO DE CUENCAS Y MICROCUENCAS HIDROGRÁFICAS
A.10.5	CONSERVACIÓN DE MICROCUENCAS QUE ABASTECEN EL ACUEDUCTO, PROTECCIÓN DE FUENTES Y REFORESTACIÓN DE DICHAS CUENCAS
A.10.9	ADQUISICIÓN DE PREDIOS DE RESERVA HÍDRICA Y ZONAS DE RESERVA NATURALES

Source: Mistrató climate change municipal profile. Agreement No. 313-2019 CARDER-Gobernación de Risaralda, UTP (GAT).

Graphic 1. Public investment on ecological structure system (US \$)² between 2016-2019: subcategories with potential to contribute to climate change at local level in Mistrató Municipality, Risaralda.



Source: Mistrató climate change municipal profile. Agreement No. 313-2019 CARDER-Gobernación de Risaralda, UTP (GAT).

Example 2: Data aggregation by year –historical traceability.

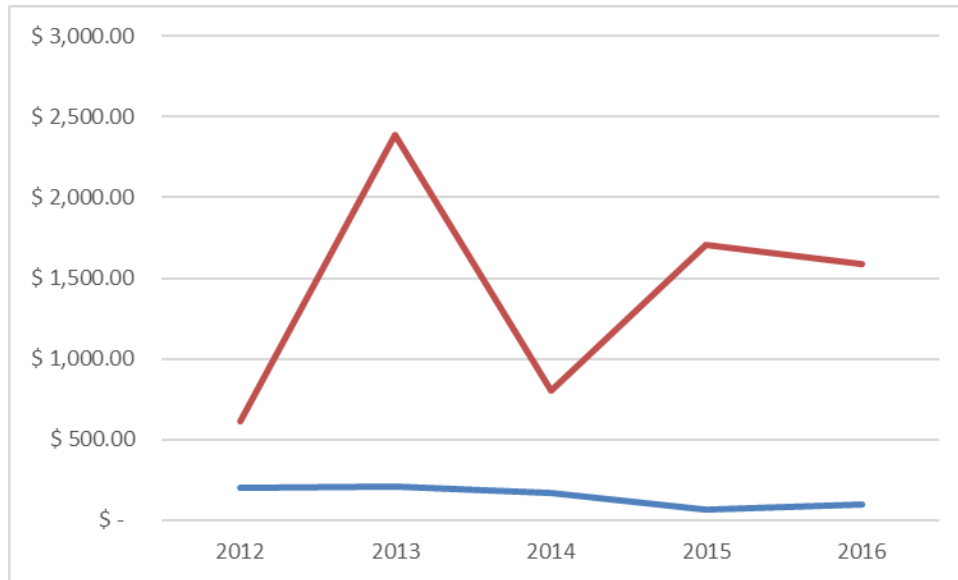
Table 2. Municipal public investment FUT subcategories related to road infrastructure and mobility category reported to CHIP monitoring system with potential to contribute to climate change, Apía Municipality, Risaralda.

MOVILIDAD, VÍAS Y TRANSPORTE	
CODIGO	INVERSIÓN
A.9.2	MEJORAMIENTO DE VÍAS
A.9.4	MANTENIMIENTO RUTINARIO DE VÍAS
A.9.5	MANTENIMIENTO PERIÓDICO DE VÍAS
A.9.10	ESTUDIOS Y PREINVERSIÓN EN INFRAESTRUCTURA
A.9.11	COMPRA DE MAQUINARIA Y EQUIPO
A.9.16	PLANES DE TRÁNSITO, EDUCACIÓN, DOTACIÓN DE EQUIPOS Y SEGURIDAD VIAL

Source: Apía climate change municipal profile. Agreement No. 336-2016 CARDER- UTP (GAT).

² One US dollar is equivalent to 3,500.00 Colombian pesos (02/27/2020)

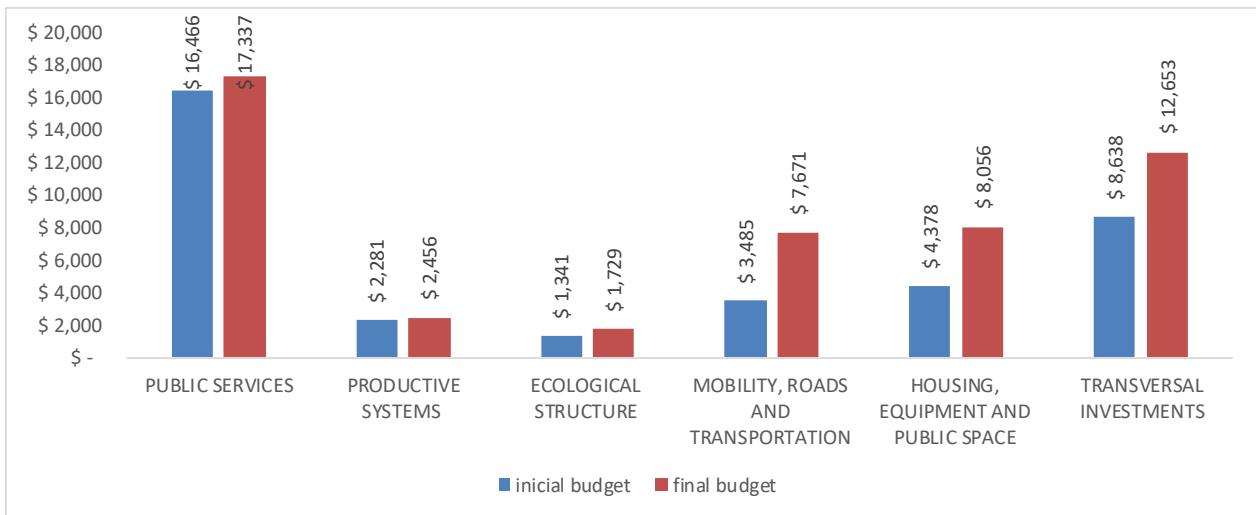
Graphic 2. Public investment on road infrastructure and mobility system (US\$) between 2012-2016: subcategories with potential to contribute to climate change at local level in Apía Municipality, Risaralda.



Source: Apía climate change municipal profile. Agreement No. 336-2016 CARDER- UTP (GAT).

Example 3: Data comparability among categories

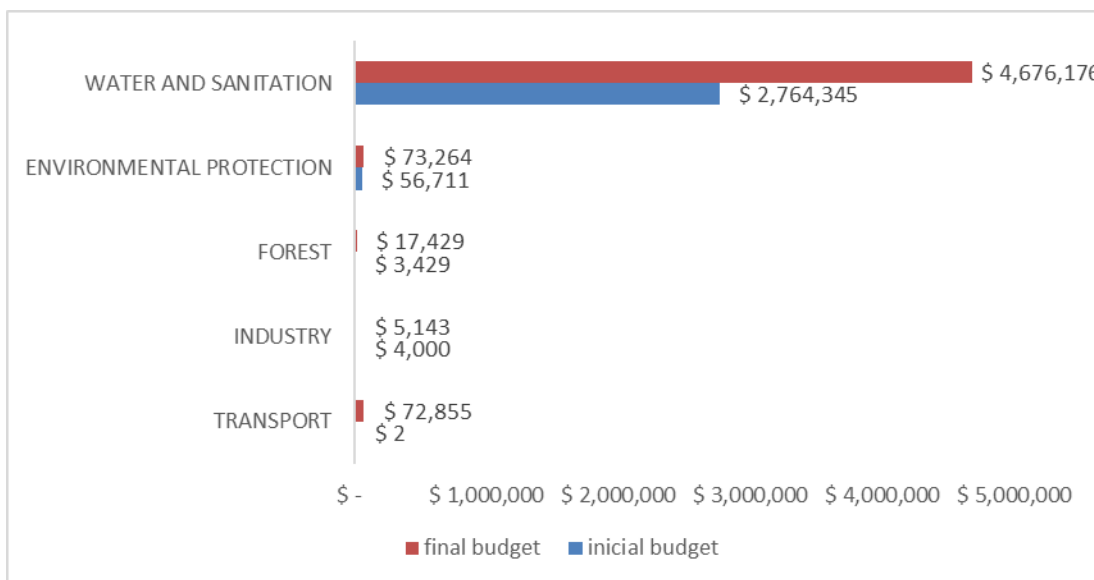
Graphic 3. Public investment (US\$) consolidated by categories between 2016 (semester 1 and 2) and 2017 (semester 1): filtered by subcategories with potential to contribute to climate change at local level in Dosquebradas Municipality, Risaralda.



Source: Dosquebradas climate change municipal profile. Agreement No. 307-2017 CARDER- UTP (GAT).

Example 4. Historical data by sector.

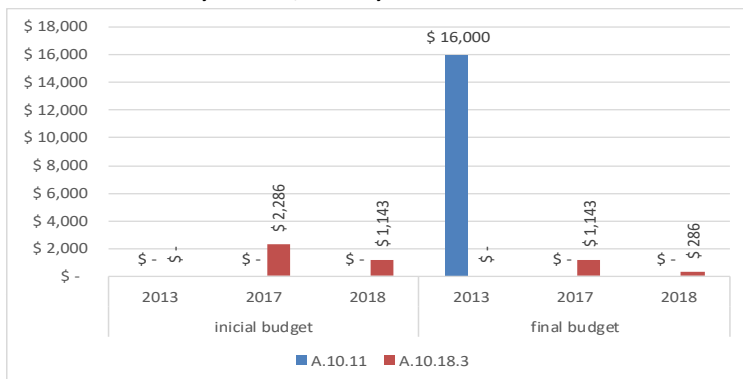
Graphic 4. Categories with subcategories that currently can be attributed as climate change investments between 2010-2019. La Virginia Municipality, Risaralda.



Source: Processed by GAT-UTP, February 2020

Example 4. Subcategories addressing specifically climate change.

Source: Processed by GAT-UTP, February 2020



CODIGO	INVERSIÓN
A.10.11	REFORESTACIÓN Y CONTROL DE EROSIÓN
A.10.18.3	MERCADO DE CARBONO

- CHIP system enables traceability of public investment, keep and report historical data, data every three months is loaded in the system by every municipality and department in Colombia, which gives periodicity.
- Data can be compared within categories, subcategories using different time intervals both for one municipality or among municipalities, as required by the user
- The system already contains some categories and subcategories that can be directly attributed to adaptation or mitigation of GHG

WHAT COULD BE DONE TO STRENGTHEN TRACEABILITY AND PRECISION

There are subcategories, which refer to activities that could be investments on mitigation or adaptation, but the current subcategory does not show if the activity aimed at climate change. For example, a municipality could build schools with solar energy panels and water efficiency systems in zones with water scarcity. FUT report will only show the public investment as the school construction. FUT format could start including subcategories aiming at mitigation, adaptation or both.