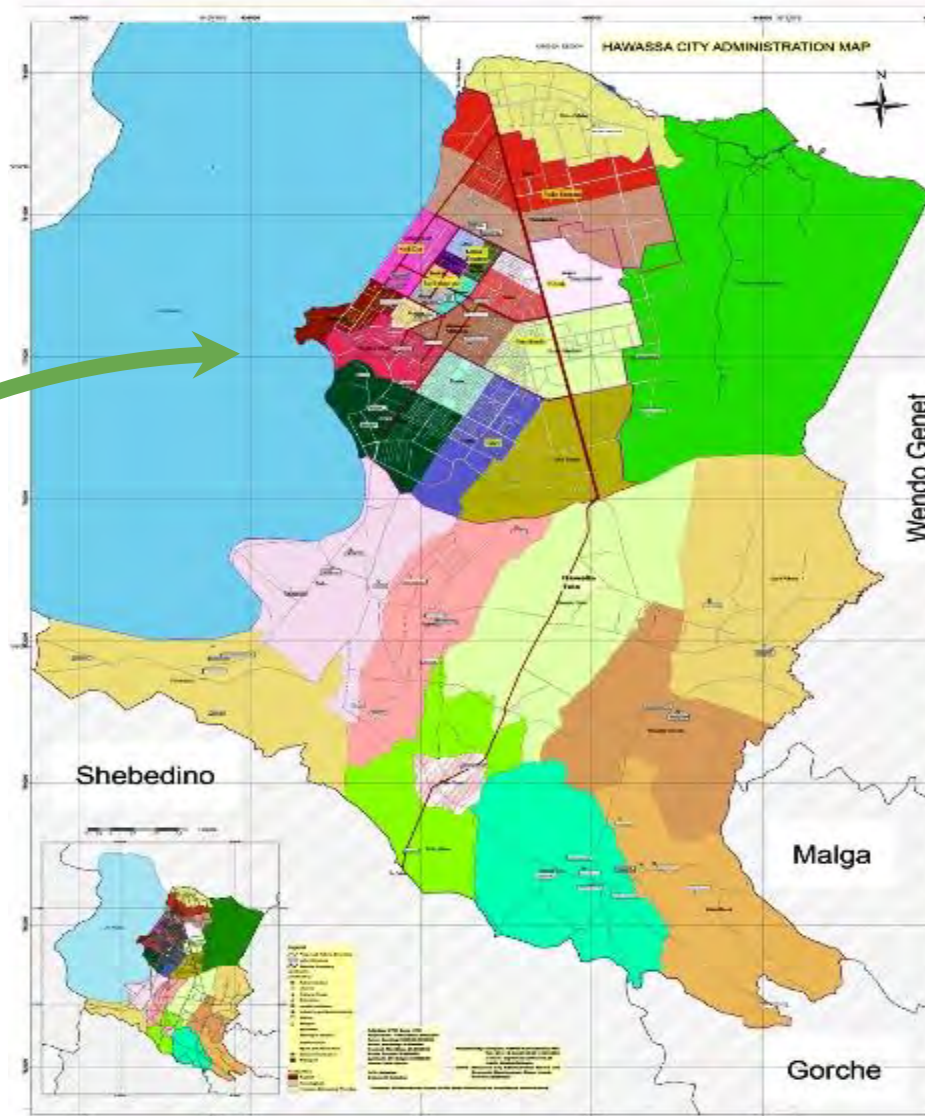


1. Institutional Setting - Framework Conditions

In Ethiopia

- Green economy strategy: **“Ethiopia’s Climate-Resilient Green Economy”**
- Federal legal framework on SW: **“Solid Waste Management Proclamation No. 513/2007”**
- Several **Plastic Recycling Companies** are working in Addis Ababa, including COBA Impact, which specializes in the production of PET flakes, is partner in the project



In Hawassa

- Operator Model for SWM: totally private (associations of collectors) supervised by local authorities
- Federal legal framework on SWM has not been ratified
- High commitment to keep the city clean, but lack of awareness of the health and environmental risks of SWM
- Ongoing environmental programs such as the GIZ-promoted “Protecting Lake Hawassa” platform
- Private sector interest in supporting the program



Actors and Stakeholders

- **Institutions:** Hawassa Municipality, Hawassa University, City of Turin– Recycling Sector, Turin University
- **Agencies:** CIFA Onlus, GIZ NatuReS Program, Italian Agency for Development Cooperation
- **Private sector:** COBA Impact PLC, Hawassa Wubet SME, TPE – European Popular Theater, Achab PLC, Corintea, MAcA Environmental Museum, Haile Resort, PVH
- **Key Stakeholders:** SW collectors (such as Associations or individuals), primary schools, youth clubs, Health Extension Workers, hospitals, hotels and resorts, industrial parks, associations of fishermen and boats, citizens

2. Starting point / Project goal

the situation
in 2017

1. Some types of plastic
have already been
sent for recycling

2. But not PET bottles!
PET bottles were dumped
in landfills or abandoned
in the environment...

3. ...ending up in the lake
or clogging storm water
channels causing
overflow or stagnant
water

4. Existing
malpractices: the
reuse of bottles of
uncertain origin
could lead to the
transmission of
diseases

5. Another
common
malpractice was
the burning of
waste and
plastics to avoid
collection costs

Project goal:

Start the plastics recycling process and improve waste management in Hawassa

3. Approach



4. Outputs

Change of community practices:

38,000 students (33 schools) and some 17,000 citizens involved in awareness-raising activities

New waste segregation practices adopted at household, school, hospital and community levels



Set up of a business chain of recyclable plastic

600 days of operation, 20 million of collected bottles, 600 tons of PET, 25 tons of HDPE, 4 tons of LDPE sent for recycling
Around 150,000 USD income generated for 200 collectors



Sustainability Factors

The Plastic Business Chain is currently financially self-sustainable -> **income generation** as a sustainability factor



Creation of strong awareness among citizens, young people and students

Great **impact** on the environment, tourism and health -> push factor for an external incentive if the private sector no longer sustains the chain

5. Lessons

Children and youth are a driving factor in changing attitudes and practices on **environmental issues**

Citizens are willing to change their habits for the sake of the environment, but an **economic incentive** works better

Collaboration between local and international experts is essential for **effective action**

Awareness raising and capacity building make the difference in reaching the output on time and in quantity

Women understand better the importance of intervention in SW sector and are better organized to bring about change

Awareness and concrete actions are effective only if they are carried out together

Any action on solid waste management has to be perfectly **integrated** into the **local context**

6. Follow-up



Enlarge the plastic tributary basin of the Hawassa Storage Center for Recyclable Plastic, both in town and surrounding settlements

Arrange an appropriate disposal system for plastics with no proven economic value

what's next?
New challenges and future goals

Make the transport system more efficient (e.g. by reducing volumes)

Scale up the program to other similar cities in Ethiopia

Foster policies and incentives to motivate citizens and collectors to recycling practices