

TeRRIFICA

Territorial RRI Fostering
Innovative Climate Action



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Sharing our future

Service learning experience by the Barcelona
Metropolitan Area

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Ana Romero Càlix
Head of Sustainability and Education Departm
<https://www.linkedin.com/in/aromero calix/>



Content

- Sharing our future (Compartim un futur)
- Service learning



Sharing our future (i)

- Environmental education program of the Metropolitan Area of Barcelona, more than 25 years of experience
- It promotes sustainable habits among the society, a questioning thinking and offers tools and values to people, in order to build up a sustainable future
- Themes: Territory, ecology and biodiversity, Energy and climate change, Sustainable mobility, Water cycle, Resources and waste and Environmental health

Sharing our future (ii)

- Type of activities: educative activity, guided visit, workshops and thematic talks
- Users: Scholars (from 3 years to university), citizens, families, elderly and education in leisure
- Participation: > 50,000

Sharing our future (iii)

- Users: Scholars (from 3 years to university), citizens, families, elderly and education in leisure
- Participation: > 50,000 person in around > 2,000 activities

Sharing our future tools:

- > 120 activities
- “Almost autonomous” Service Learning proposals
- Educational resources
- Assessment and information personal attention



Assessment



Environmental education visits

Estació depuradora
d'aigües residuals
(EDAR) i Casa
de les Aigües de
Montcada i Reixac

Metropolità d'Educació
per a la Sostenibilitat

Compartim
un Futur

Dossier per al visitant



Resources



Near-city nature and urban biodiversity



Social perspective: inclusive, gender... for everyone



What is **service learning (SL)**?

- Service learning (SL) is a educational proposal which combines learning and community service processes within an articulated project. Participants focus on real needs of their context with the aim to improve it.

Service + Learning = Service Learning

Service:

Service means contributing or helping to benefit others and the common good.

Learning:

Learning means gaining understanding of a subject or skill through study, instruction, or experience.

Service Learning:

The ideas of service and learning combine to create service learning. **Investigation, preparation, action, reflection, and demonstration** are the five stages of service learning. By understanding how each stage works, you can be more effective in making plans to help in your community.

SL and *Sharing our future*

- From school year 2016-17 AMB has given support to 14 projects in 7 different schools (3 primary school, 3 secondary school and 8 with professional education). AMB offers to type of projects:

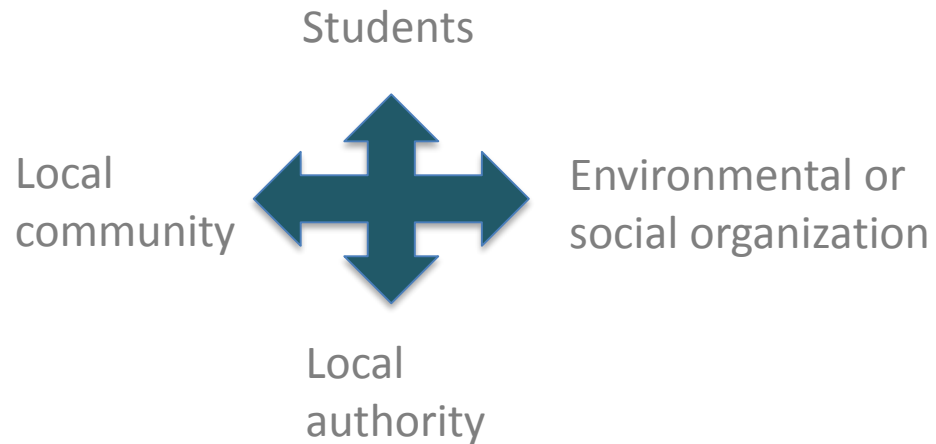
1. **Autonomously.** AMB have designed specific projects which schools can realize following the instructions

- Fighting against plastic
- Watchers of air pollution
- Building rehabilitation to improve energy efficiency

2. **Co- creative projects**

Cocreative projects in SL

Projects have **various actors**:



- Students are the **key actor** in the process
 - Decide the topic of the project
 - Decide the type of community service
 - Carry on the diagnosis and the service
- Students detect an environmental need and face real problems and real community partners
- Students co- create the service in partnership with the rest of actors
- Students practice collaborative learning

**Appropriation---
affection---- fun**

What is co- creation?

- A process, in which teams of *diverse stakeholders* are *actively* engaged in an *mutually empowering* act of *collective* creativity with *experiential* and *practical* outcomes

Key points

- Students are not a passive actor, on the contrary, are **active agents** in their learning process
- SL **embed collective intelligence** since projects depend on the collaboration among multiple actors
- Students deal with a situation bringing together **diverse stakeholders** facing a **common challenge**
- SL projects enable **active, experiential and problem-based** learning experiences
- Students take **decisions** on each step of the project
- SL Students find higher **motivation, satisfaction** and **engagement**

Some projects as an example

Professional waste from dental hygienist (Escola Túrbula, St Adrià)

- Environmental need: Prevention and recycling of professional waste
- Service: Awareness campaign in hospitals, neighborhood and school
- Knowledge:
 - Prevention and management of waste
 - Environmental impact
 - Environmental communication

Seeds for change (Centre Pla Transició al Treball, St. Cugat)

- Environmental need: promote biodiversity and increase green areas in the city
- Service: Mentoring orchard of an organization which works with people with social exclusion risk
- Knowledge:
 - Biodiversity
 - Vegetables, seedling and selection of seeds
 - Advantages of ecological agriculture

Green sea – Plastic contamination (Institut Narcís Monturiol, BCN)

- Environmental need: reduce plastics use and avoid plastic waste in beaches and sea.
- Servei : participate in the improvement of the Communication plan of Port of Barcelona.
- Knowledge:
 - Marine contamination and sea shore waste
 - Plastic waste management

Be active! (Joan Maragall, Badalona)

- Environmental need: show to the elderly the importance of sustainable mobility, specially to walk
- Servei : show the importance of walking regarding the impact on mobility models
- Knowledge:
 - Relation between air pollution and mobility
 - Good practices in terms of mobility

Good environmental practices in Natural Environment (Institut Rubió i Tudurí, BCN)

- Environmental need: point out at the importance of people habits in leisure activities in natural areas
- Servei : carrying out information activities to users of a park (Collserola)
- Knowledge:
 - Impact of leisure activities in natural areas
 - Analysis of impacts: biodiversity, waste, noise...
 - Type of uses within a natural area



Be active! – Joan Maragall (Badalona)





Good environmental practices in Natural Environment – Collserola (Barcelona)



**What have we learnt about SL
and cocreation?**

It needs...

TIME: ideally 2 academic courses

- Finding the proper/s teacher/s, the proper/s school/s, deciding the service through a participatory process, planning how to proceed

BEING ACTIVE!

- Reaching success without a coaching or assessment process seems: possible?
- Continuous training for the promoters

DON'T FORGET ABOUT SERVICE and cocreation with the community if possible

- SL process more attractive
- SL process more useful and real
- SL process key to learning experience

AS USUAL: RESOURCES AND... IMAGINATION!

- SL is not for free
- SL generates added value: try to learn and make it replicable!!!

Thank you for your attention!

