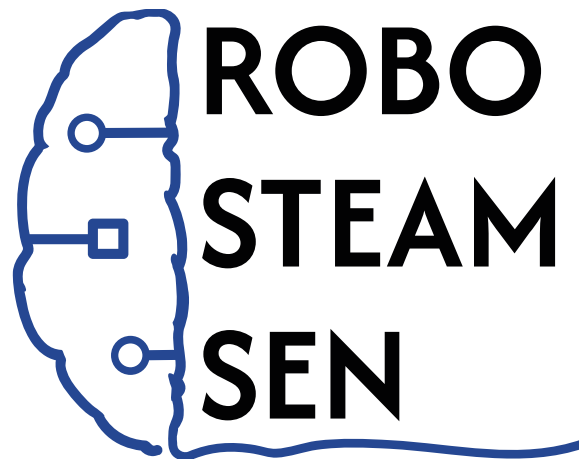


WP2.T3 User Model Tutorial

“WP2. Adapting Resources, Methodologies and Tools
by IDD”



**Training SEN teachers to
use ROBOTICS for fostering
STEAM and develop
computational thinking**

Project No. 2023-1-ES01-KA220-SCH-000155379



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Access and Navigation Manual- Resource Filtering in ROBOSTEAMSEN

Project: ROBOSTEAMSEN – Training SEN teachers to use robotics for fostering STEAM and develop computational thinking.

Purpose: To locate specific resources using the filtering tools available on the platform, for example, by resource type (e.g., Guide).

1. Access to the main project site

Step 1: Access the main portal

Go to the official ROBOSTEAMSEN project website:

<https://robosteamsen.eu>

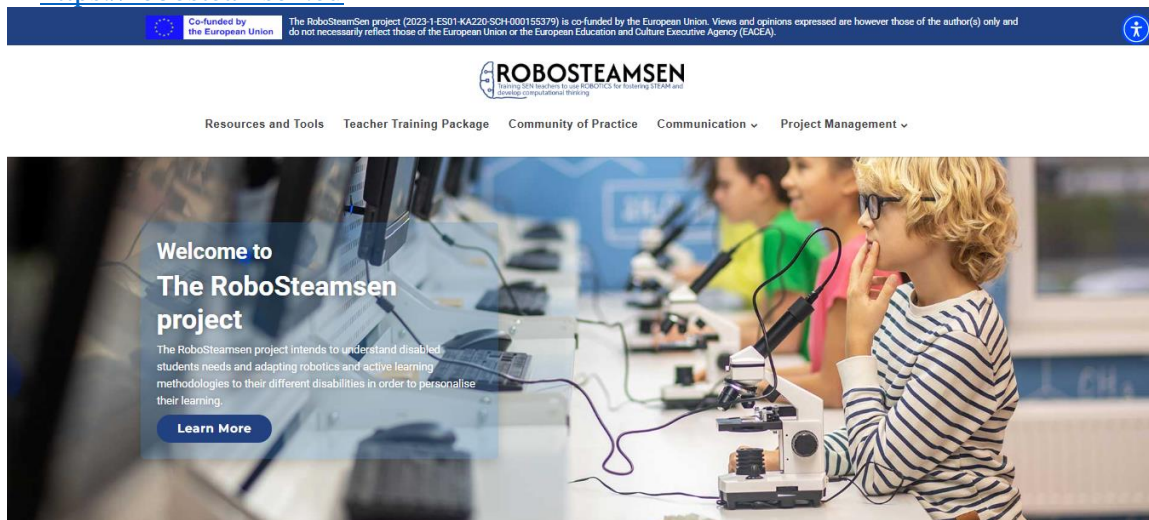


Figure 1 – Main page of the ROBOSTEAMSEN official website

2. Accessing resources via the Resources section

Step 2: Navigate to Resources

From the top navigation menu, click on the tab labeled 'Resources and Tools'.



Figure 2 – Location of the 'Resources and Tools' menu option

Step 3: Select resource category

On the newly opened page, choose the option 'Robotics and Methodological Resources'.

Resources and Tools

This section is composed by set of reports and tools providing knowledge to facilitate adapting robotics and active learning methodologies for different IDD to secondary school teachers.



Figure 3 – Access to the Robotics and Methodological Resources space

2. Filter the resources.

Step 4: Use the filtering panel

In the **left sidebar**, you will find the **resource filtering menu**. This panel includes expandable categories. Click on the dropdown or plus icon next to 'Type' to **display the list of available resource types**.

The list typically includes:

- Technological
- Methodological
- Document
- Guide

Resources

Typology

Name	Description	Typology
Robot-Assisted Instruction (RAI)	Robot-Assisted Instruction (RAI) involves using robots as teaching assistants to deliver educational content to children with IDD. Robots can provide consistent, repeatable, and engaging instruction, adapting to the individual learning pace and style of each student, thereby enhancing the education ... Read more	Methodological
Socially Assistive Robotics (SAR) Intervention Framework	The Socially Assistive Robotics (SAR) Intervention Framework utilizes robots to provide personalized support and encouragement to children with IDD. These robots are designed to engage in social interactions that promote learning and development, offering assistance in areas such as communication, ... Read more	Methodological
Trexo Robotic Walker	The Trexo Robotic Walker is a wearable robotic device designed to assist children with mobility impairments, including those with cerebral palsy and other developmental disabilities. It enables children to experience guided walking, promoting muscle development, coordination, and the experience of walking ... Read more	Technological
KASPAR (Kinesics and Synchronization in Personal Assistant Robotics)	KASPAR is a child-sized humanoid robot developed to assist children with autism and other developmental disorders in improving their social interaction and communication skills. Its human-like appearance and ability to perform various facial expressions and gestures make it an effective tool for engagement ... Read more	Technological
Paro Therapeutic Robot	Paro is an advanced interactive robot designed to look like a baby harp seal. It is used in therapeutic settings to provide comfort and emotional support to individuals with developmental disabilities. Paro responds to touch and sound, exhibiting behaviors ... Read more	Technological

Figure 4 – Filtering panel on the left side with expandable categories

Step 6: Review filtered results

The page will automatically refresh to show only the resources that belong to the selected category.

Typology

Name	Description	Typology
Romanian Guide	The guide, contextualized to the Romanian educational framework, aims to enable teachers to characterize students by using the user model and later look into the repository for resources that could fit with the student's needs.	Guide
Portuguese Guide	The guide, contextualized to the Portuguese educational framework, aims to enable teachers to characterize students by using the user model and later look into the repository for resources that could fit with the student's needs.	Guide
Italian Guide	The guide, contextualized to the Italian educational framework, aims to enable teachers to characterize students by using the user model and later look into the repository for resources that could fit with the student's needs.	Guide
Unified Robotics program	Unified Robotics is an inclusive program that brings together students with and without intellectual disabilities to participate in robotics competitions. The initiative promotes STEM education and fosters an environment of collaboration and mutual learning.	Guide
ASTERICS GRID MANUAL	This is the user documentation for AsTeRICS Grid, a web-based tool for augmented and alternative communication (AAC). Integration with the AsTeRICS Framework makes it possible to realize additional functionalities like environmental or computer control. https://www.asterics.eu/manuals/asterics...	Guide
Tobii guides	https://es.tobiidynavox.com/pages/litera...	Guide
General Guide	The guide aims to enable teachers to characterize students by using the user model and later look into the repository for resources that could fit with the student's needs.	Guide
Spanish Guide	The guide, contextualized to the Spanish educational framework, aims to enable teachers to characterize students by using the user model and later look into the repository for resources that could fit with the student's needs.	Guide

Figure 6 – Filtered results showing only 'Guides'

4. Access and download a guide

Step 7: Select and open a resource

From the filtered list, click on the title of the desired guide to view details.

Spanish Guide

Typology

Guide

Resource description

The guide, contextualized to the Spanish educational framework, aims to enable teachers to characterize students by using the user model and later look into the repository for resources that could fit with the student's needs.

Download the attached pdf

