

# Visualisation tool guide – June 2019

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## Introduction

This page provides users of the SCIS platform a visual access to the data in the SCIS self-reporting tool (SRT), that contains mostly numerical information on the pilot projects (called Fields of Action (FoA) in the SRT) in the various demonstration sites. This tool has been created to visualise the various KPI, both as designed (Data type Design) as well as monitored (Data type Monitoring). The data are based on a data dump of the SRT that is run during the night.

## Goals

Gathering data without being able to turn them into use is useless. Possible useful applications of the tool can be found in:

- Guiding the user to projects of interest based on a few criteria and (when available) realised performance
- Feedback to data providers by comparing their own data with those from others, enhancing the data quality
- Comparing design data with monitored performance and thus understand better possible deviations
- Extraction of performance trends by comparing results from older and newer projects (e.g. on refurbishment or new buildings)

## Instructions

A few instructions on use of the visualisation tool:

- We have created a few default graphs, so you know what to expect
- Each time you create a new graph, the existing set shifts to the right/down. Therefore, they are not overwritten.
- If your page gets cluttered, you can remove them by pressing the cross in the green box to the upper right of the graph
- The three dots in the circle are a result of our graphics tool. Currently not so useful for the user. To export a graph it is best to create a screenshot.
- You can select your perspective on the SCIS dataset by making your choices. First select which grouping level you would like to use (The default is Demo site, which gives the greatest level of detail and is good to start with). Then you select Data type, Topic, KPI group, KPI, Field of interest. The graph appears after making the last selection

## Explanation of the graph

The left part identifies the project name and the name of the sites for which data have been found matching your selection.

The top memorises the choices that have been made, e.g. Design|New buildings|Technical|Total Final energy Demand.

The bottom shows the values with as legend the last choice and the units. e.g. “After intervention in kWh/m<sup>2</sup>a” (After intervention means after execution of the project)

*Beware of the units used.* For the technical KPI of buildings, the unit of choice is kWh/m<sup>2</sup>a, because this is also used in building standards. For CO<sub>2</sub> we used kgCO<sub>2</sub>eq/a. In this way it is also possible to get an impression of the size of the project as indicated by total CO<sub>2</sub> emission/savings

When there are multiple pilot projects (FoA) matching the selection criteria then these are shown in a stacked fashion. Hovering with the mouse over the coloured data bars shows (among other details) the value for a specific FoA.

Ctrl-Clicking when you see the information pop-up brings you directly to the SCIS platform demo site page where further information on the project can be found. The visualisation page remains unchanged. If you want to return to the visualisation, click the right tab in your browser.