



Commons**Booking**



Commons**API**



Commons**HUB**

## CommonsAPI product family



Commons**Booking**

Booking Solution  
Wordpress Plugin  
Open Source



Commons**API**

Interface for Data Exchange  
Open Standard



Commons**HUB**

Central Map Application  
Open Source

# Integration

Sharing initiatives use **CommonsBooking** (or other software) to lend items for free.

The data is published in the **CommonsAPI** Format via a plugin.

The **CommonsHub** map allows users to browse all items by availability, location and type.

Anyone can **embed the CommonsHUB map** into their own website



# Sharing initiative, API Plugin, HUB application



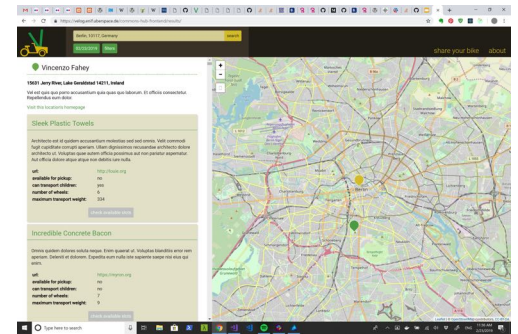
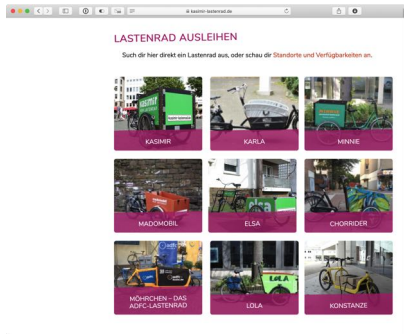
Commons**Booking**



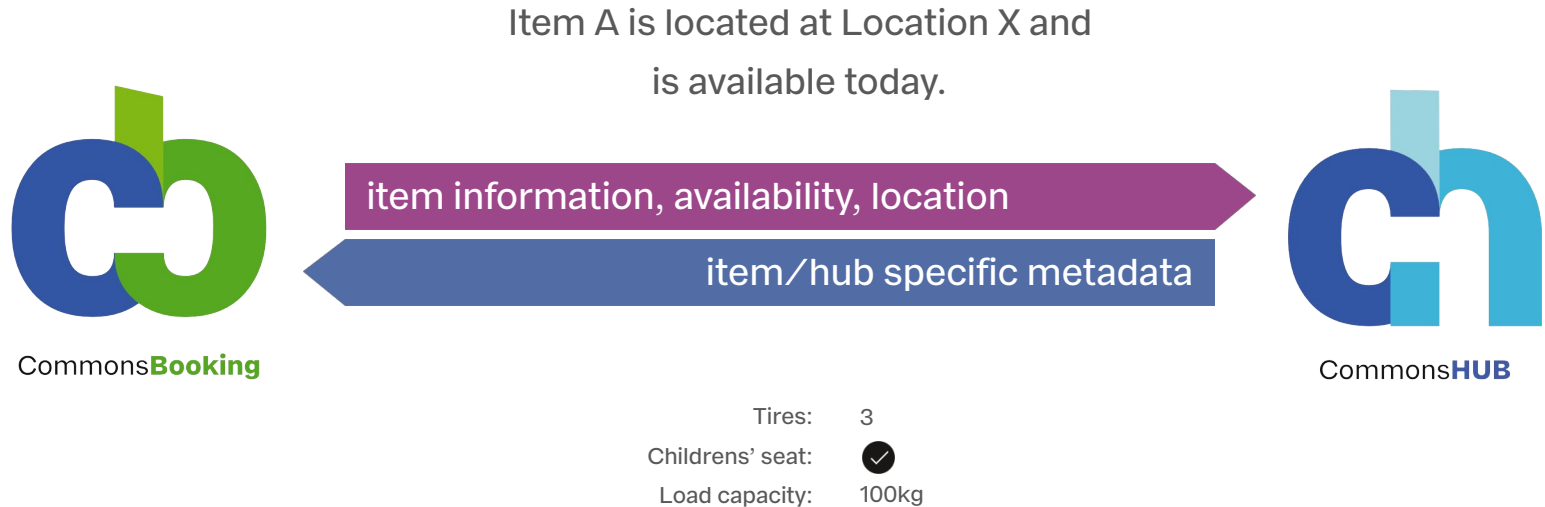
Commons**API**



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## Data flow: The hub provides its own set of metadata to allow filtering



# Implementation of the metadata directly in the editor

The screenshot shows a WordPress editor interface. The main content area contains a paragraph with the text "My item description". The right sidebar shows the post's publication date as "Nov 8, 2018 @ 17:07" and a featured image of a person on a bicycle with a green cargo bike labeled "kasimir". Below the featured image, there are options to "Click the image to edit or update" and "Remove featured image".

An orange box highlights a metadata panel titled "Velogistics" located at the bottom of the editor. This panel contains the following fields:

- Suited for children transport**: A checkbox that is currently unchecked.
- Maximum transport weight (kg)**: A dropdown menu with the value "0" selected.
- Number of wheels**: A dropdown menu with the value "0" selected.

# CommonsHUB: Filtering and Showing Data from multiple sharing initiatives

The screenshot shows a web browser at the URL `https://velog.mit.uberspace.de/commons-hub-frontend/results/`. The page header includes a search bar with the text "Berlin, 10117, Germany" and a "search" button. Below the search bar, there are two green buttons: "02/23/2019" and "filters". On the right side of the header, there are links for "share your bike" and "about".

The main content area is divided into two columns. The left column displays a list of items:

- Vincenzo Fahey**
  - 15631 Jerry River, Lake Geraldstad 14211, Ireland
  - Vel est quis quo porro accusantium quia quas quo laborum. Et officis consectetur. Repellendus eum dolor.
  - Visit this location's homepage
- Sleek Plastic Towels**
  - Architecto est id quidem accusantium molestias sed sed omnis. Velt commodi fugit cupiditate corrupti aperiam. Ullam dignissimos recusandae architecto dolore architecto ut. Voluptas quae autem officia possimus aut non pariatatr aspernatur. Aut officia dolore atque atque non debitis iure nulla.
  - url: <http://louie.org>
  - available for pickup: no
  - can transport children: yes
  - number of wheels: 6
  - maximum transport weight: 334
  - [check available slots](#)
- Incredible Concrete Bacon**
  - Omnis quidem dolores soluta neque. Enim quaeat ut. Voluptas blanditis error rem aperiam. Deleniti et dolorem. Expedita eum nulla iste sapiente saepe nisi eius qui enim.
  - url: <https://myron.org>
  - available for pickup: no
  - can transport children: no
  - number of wheels: 7
  - maximum transport weight: 9
  - [check available slots](#)

The right column features a map of Berlin, Germany, with a yellow location pin and a green location pin. The map shows various districts and landmarks, with a legend in the top-left corner and a scale bar in the bottom-right corner.

## Supporters & Contributors (Thank you!)

1resu, ADFC Bundesverband, ADFC Dresden, ADFC Essen / Essener Lastenräder, ADFC Hamburg, Albert Hölzle (VeloCityRuhr), BMBF: Bundesministerium für Bildung und Forschung, Christian Wenzel (wielebenwir e.V. / KASIMIR – Dein Lastenrad), Das Commons-Institut, Deutsche Postcode Lotterie, fLotte Berlin, Freie Lasten – Dein Lastenrad in Marburg, Hannes Wöhrle (wielebenwir e.V. / KASIMIR – Dein Lastenrad), Markus Voge, Melanie Thewlis, Nils Larsen (ADFC Dresden), Postcode Lotterie, Prototype Fund, Ralph Wössner (Klara – Das kostenlose Lastenrad für Hamburg), Stefan Meretz (Bolle – Dein Freier Lastenanhänger für ´s Fahrrad), Sven Baier (Hannah – Lastenräder für Hannover), Thomas Richter (fLotte Berlin) ..... and many more!

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Commons**B**ooking

[github.com/wielebenwir/commons-booking-2](https://github.com/wielebenwir/commons-booking-2)



Commons**A**PI

[github.com/wielebenwir/commons-api](https://github.com/wielebenwir/commons-api)



Commons**H**UB

[github.com/christianvoigt/velogistics-wordpress](https://github.com/christianvoigt/velogistics-wordpress)