



# Cartographions les toits !

*OSM au service de l'énergie citoyenne*














# Cartographier les toits

- Dans le cadre d'un collectif pour une énergie citoyenne
- Récolter les données disponibles
- Enrichir ces données par des cartoparties

**Toit**

You can characterize the building roof using a catalogue of well known roof types. Additional roof shapes may be introduced later ([S3D6\\_Proposals](#)), including advanced approaches for manual modelling (e.g., [User:Aschilli/ProposedRoofLines](#) or parts of [OSM-4D/Roof\\_table](#)).

Image	Image	Image	Image	Image	Image	Image	Image	Image	Image	Image		
												
<b>roof:shape</b>	flat	skillion	gabled	halfhipped	hipped	pyramidal	gambrel	mansard	dome	onion	round	skitbox

Key	Comment
<a href="#">roof:orientation=long/acrois</a>	For roofs with a ridge the ridge is assumed to be parallel to the longest side of the building. But it can be tagged explicitly with this tag.
<a href="#">roof:height*</a>	roof height in meters
<a href="#">roof:angle*</a>	Alternatively to <a href="#">roof:height*</a> , roof height can be indicated implicitly by providing the inclination of the sides (in degrees).
<a href="#">roof:levels*</a>	Number of floors within the roof, which are not already counted in <a href="#">building:levels*</a> .
<a href="#">roof:direction*</a>	direction from back side of roof to front, i.e. the direction towards which the main face of the roof is looking

Again, some roofs (e.g., square buildings) cannot be accurately modelled with the simple techniques described on this page.

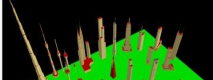
**Surfaces**

Key	Comment
<a href="#">building:colour*</a>	Colour of the building facade. See <a href="#">colour*</a> for possible values.
<a href="#">roof:colour*</a>	Colour of the building roof. See <a href="#">colour*</a> for possible values.
<a href="#">building:material*</a>	Outer material for the building facade.
<a href="#">roof:material*</a>	Outer material for the building roof.

**Demo areas**

To make it as easy as possible for the community, we started added details already to the following:

Location	OpenStreetMap (2D)	OSM2World (3D)	OSMBuildings (3D)	F4 Map(3D)	OpenScienceMap
Pissau (GER)	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>
Graz 1 (AT)	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>



# Un outil de visualisation simple

- Construire un système de requête et des rendus de carte associés
- Développer un outil simple utilisable dans d'autres villes
- Un outil utile plus largement pour les acteurs de l'urbanisme et les agents collectivités
- Un cas d'usage de données publiques ouvertes



# Au delà des toits . . .

- Médiation à la production d'énergie
- Intégration au programme de classes
- Aide à la mobilité
- Co-production et habitudes de coopération
- Faire émerger des postures de contribution

