# Adding WMS Tiles of OS OpenData USRN data to JOSM as a background layer

# 1. Go to your JOSM settings (F12) and click the WMS/TMS icon in the left panel



## 2. Click on the "+WMS" icon in the lower right part of the main panel

👿 Prefer	ences		×
	ry layers displayed in the Imagery menu Settinos Offsetting the Cache		
WMS TMS	Selected entries: Menu Name Bing aerial imag Esri World Imag Esri World Imag Mapbox Satellite Maxar Premium Maxar Standard OpenStreetMap OpenStreetMap	Activate Imagery URL bing[1,22]:https://www.bing.com/maps/ tms[22]:https://{switch:services,server}.arcgisonline.com/arcgis/rest/s tms[22]:https://clarity.maptiles.arcgis.com/arcgis/rest/services/World tms[22]:https://services.digitalglobe.com/earthservice/tmsaccess/tms/ tms[22]:https://services.digitalglobe.com/earthservice/tmsaccess/tms/ tms[22]:https://tiles.wmflabs.org/bw-mapnik/{zoom}/{x}/{y}.png tms[19]:https://{switch:a,b,c}.tile.openstreetmap.org/{zoom}/{x}/{y}	trs trs trs
Expert Mode Cancel			

### 3. Enter the WMS URL and give the layer a name

✓ Add Imagery URL     ×			
1. Make sure OSM has the permission to use this service 2. Enter GetCapabilities URL			
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Show bounds			
5. Select image format			
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6. Edit generated WMS URL (optional)			
wms:http://poppe.work:8080/geoserver/wms?FORMAT=image/png&TRANSPARENT=TRUE&VERSION=1.1.1&SERVICE=WMS&REQUEST=G			
etMap&LAYERS=cite:openUSRN&STYLES=os-usrn-red&SRS={proj}&WIDTH={width}&HEIGHT={height}&BBOX={bbox}			
7. Enter name for this laver			
OS OpenData USRN (red)			
Cancel			

# These are the available URLs with different styles

All styles have a WHITE TEXT showing the USRN ID of the street perpendicular to the line with a 6 pixel gap.

#### Copy the URLs without any linebreaks.

#### **RED LINE**

```
wms:http://poppe.work:8080/geoserver/wms?FORMAT=image/png&TRANSPARENT=TRU
E&VERSION=1.1.1&SERVICE=WMS&REQUEST=GetMap&LAYERS=cite:openUSRN&STYLES=os
-usrn-red&SRS={proj}&WIDTH={width}&HEIGHT={height}&BBOX={bbox}
```

#### **GREEN LINE**

wms:http://poppe.work:8080/geoserver/wms?FORMAT=image/png&TRANSPARENT=TRU E&VERSION=1.1.1&SERVICE=WMS&REQUEST=GetMap&LAYERS=cite:openUSRN&STYLES=os -usrn-green&SRS={proj}&WIDTH={width}&HEIGHT={height}&BBOX={bbox}

#### **BLUE LINE**

wms:http://poppe.work:8080/geoserver/wms?FORMAT=image/png&TRANSPARENT=TRU E&VERSION=1.1.1&SERVICE=WMS&REQUEST=GetMap&LAYERS=cite:openUSRN&STYLES=os -usrn-blue&SRS={proj}&WIDTH={width}&HEIGHT={height}&BBOX={bbox}

#### WHITE LINE

wms:http://poppe.work:8080/geoserver/wms?FORMAT=image/png&TRANSPARENT=TRU E&VERSION=1.1.1&SERVICE=WMS&REQUEST=GetMap&LAYERS=cite:openUSRN&STYLES=os -usrn-white&SRS={proj}&WIDTH={width}&HEIGHT={height}&BBOX={bbox}

# Result in Wireframe View (CTRL+W) with the white style in the background

