SuperMap Web mapping Series Webinar

Kenya

18th – 20th May 2022: DAY 2 of 3

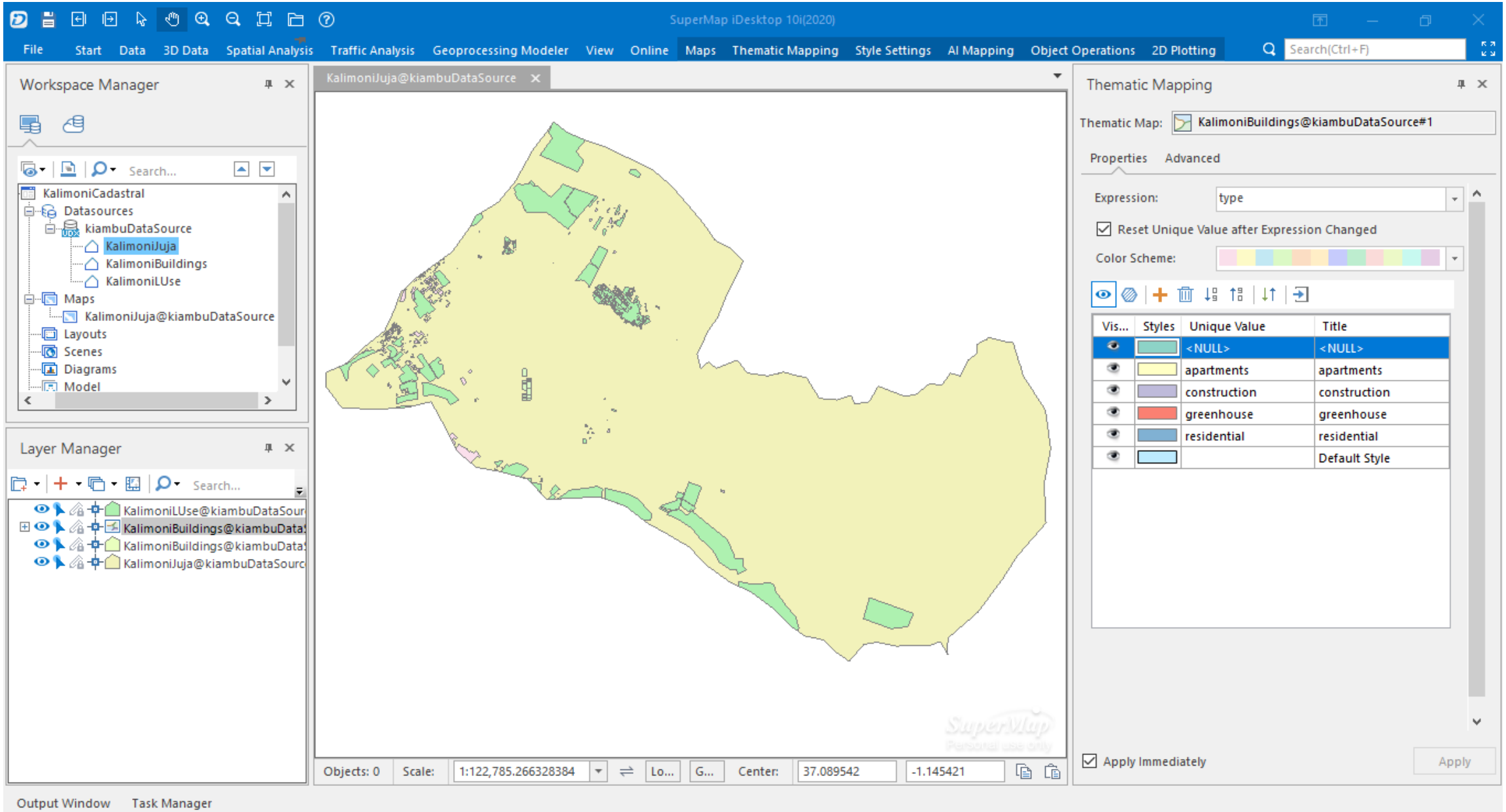
Day 1: Homework Check

- You filled the emailing form
- Download resources (iClient, iServer, iDesktop)
- Have installed and configured machine
- Have registered for the SuperMap Contest 2022
- Created GitHub account and followed okomojacob to follow along future code versions.
- Stared SuperMap webMaping repository on GitHub.
- Once you're done, you can submit(Via response) a screenshot of the results to the email. supermapkenya@gmail.com

i. Download iServer and iClient here
ii. Download OSM Free Spatial Data from Open Geofabrik here
iii. Download free administrative boundaries and 3D (Elevation Data) from DIV-GIS

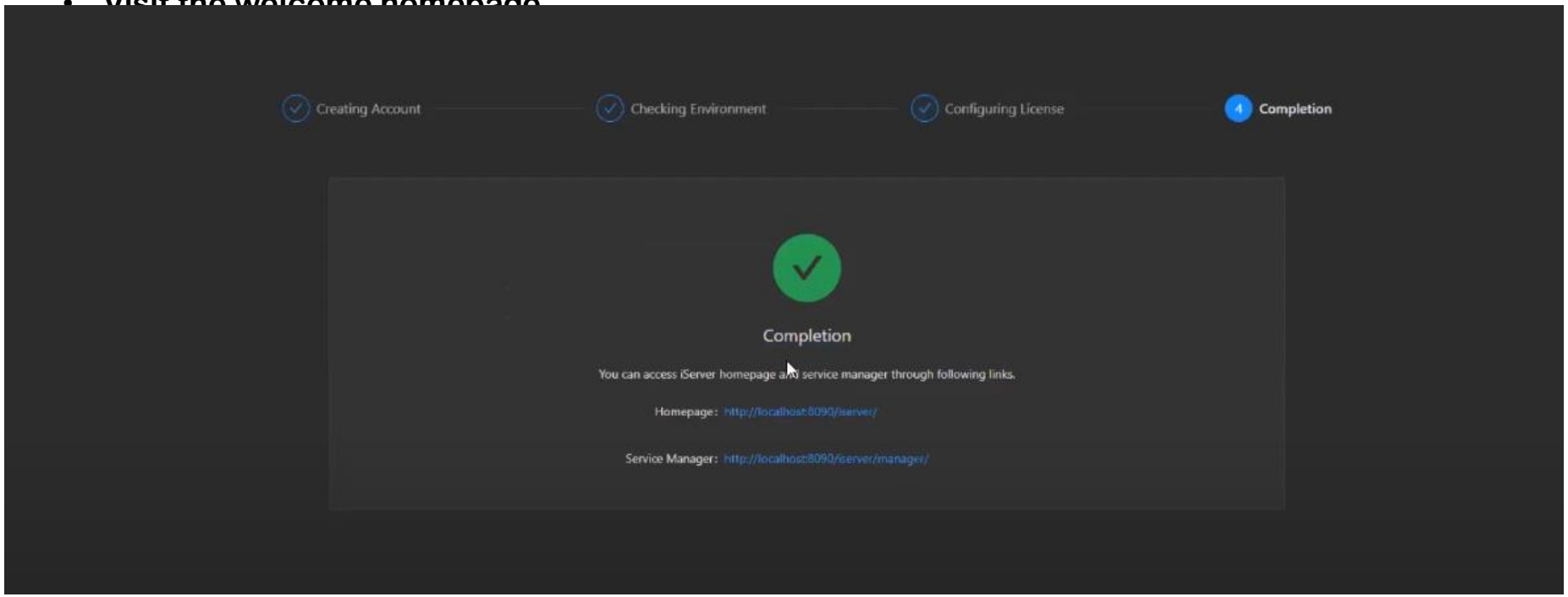
Data Processing Preparation Workflow

- Download resources (iClient, iServer, iDesktop)
- Download Spatial Data: OSM, Administration data
- Create New Work Space
- Create a new File Data Sources
- Import data into the new data source(jkuat)
- Clip a small study area to reduce weight and processing cost
- Create a thematic map for buildings to see unique themes
  - Unique Values map
  - Unique Expression type
- Save Map and Workspace
- Start iServer and visit port 8090
- Keenly Publish workspace as shown below

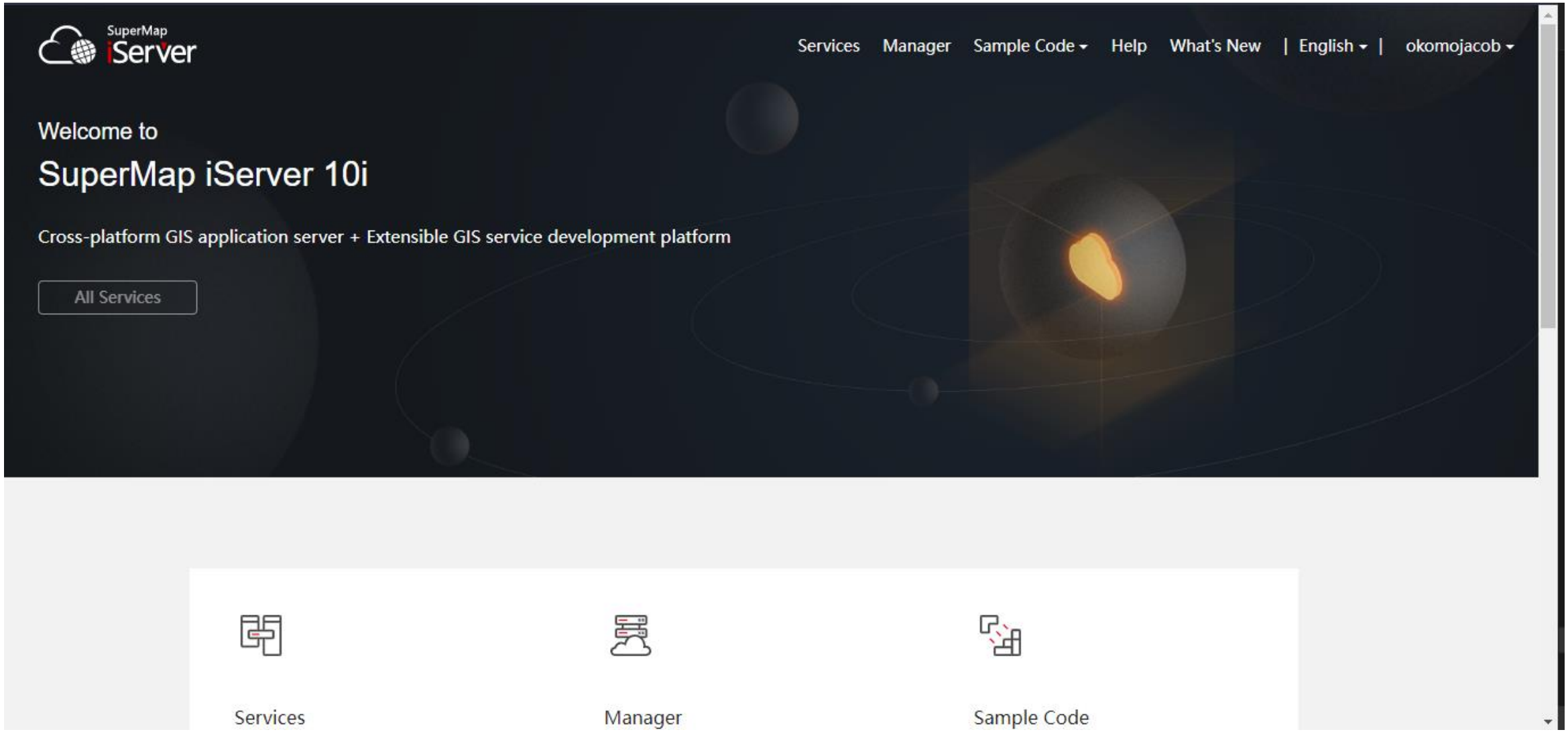

SuperMap iDesktop 10i(2020)
File
Start
Data
3D Data
Spatial Analysis
Traffic Analysis
Geoprocessing Modeler
View
Online
Maps
Thematic Mapping
Style Settings
AI Mapping
Object Operations
2D Plotting
Search(Ctrl+F)
Workspace Manager
Search...
KalimoniCadastral
Datasources
kiambuDataSource
KalimoniJuja
KalimoniBuildings
KalimoniLUse
Maps
KalimoniJuja@kiambuDataSource
Layouts
Scenes
Diagrams
Model
Layer Manager
Search...
KalimoniLUse@kiambuDataSour
KalimoniBuildings@kiambuData
KalimoniBuildings@kiambuData
KalimoniJuja@kiambuDataSourc
KalimoniJuja@kiambuDataSource
Objects: 0
Scale:
1:122,785.266328384
Lo...
G...
Center:
37.089542
-1.145421
Thematic Mapping
Thematic Map:
KalimoniBuildings@kiambuDataSource#1
Properties
Advanced
Expression:
type
Reset Unique Value after Expression Changed
Color Scheme:
Vis...
Styles
Unique Value
Title
<NULL>
<NULL>
apartments
apartments
construction
construction
greenhouse
greenhouse
residential
residential
Default Style
Apply Immediately
Apply
Output Window
Task Manager

Publish Workspace Workflow

- **Start iServer by double-clicking startup.bat in the bin folder and visit port localhost://8090**
- To deploy your spatial data in a local GIS-Server for management
- **Initial set-up:**
  - **Create a local admin account password.**
  - **Check environment**
  - **Configure license then**
  - **Complete the initial configuration**
  - **Visit the welcome homepage**



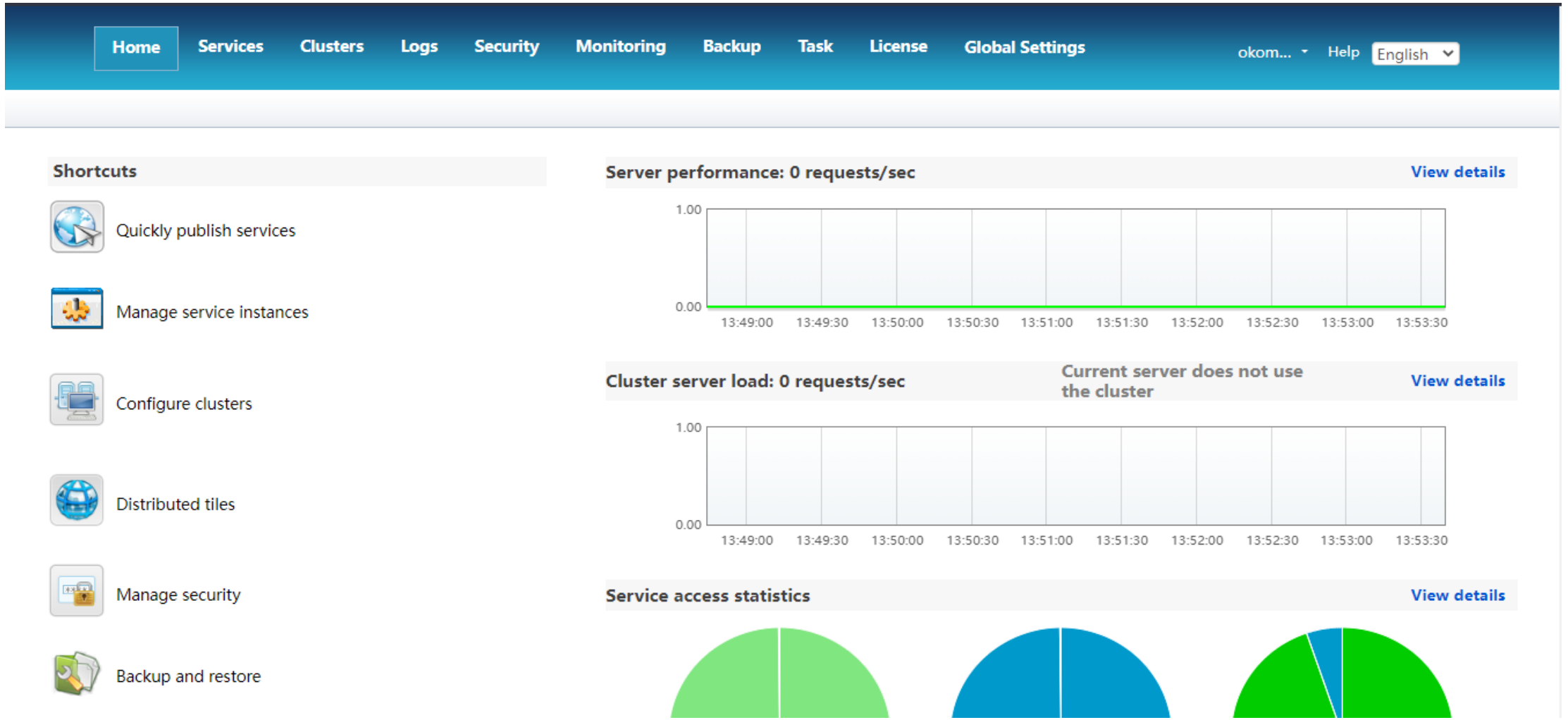
Publish Workspace Workflow



Publish Workspace Workflow:

http://localhost:8090/iserver/manager

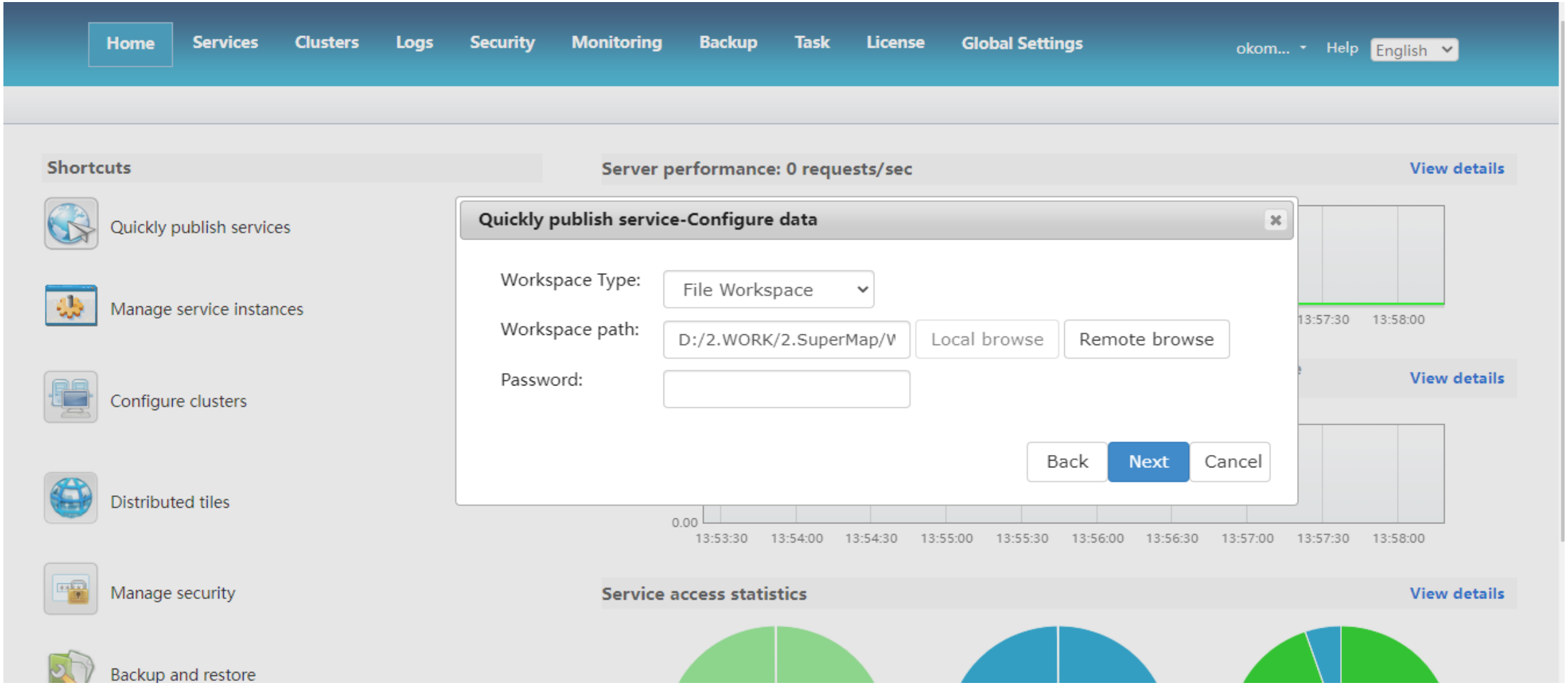
- **Quickly Publish as a Workspace**



Select your remote .smwu Workspace here

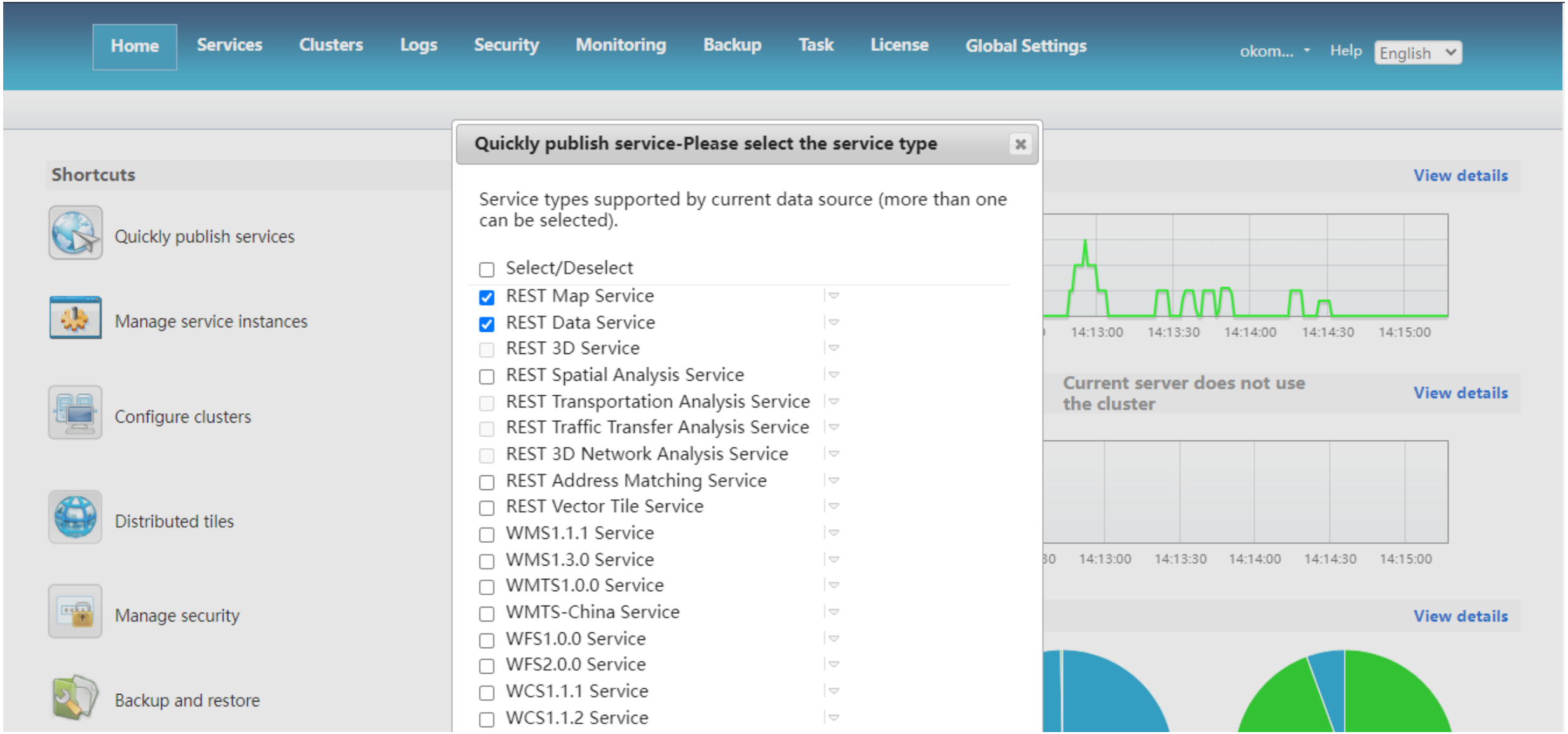
http://localhost:8090/iserver/manager

- **Quickly Publish as a Workspace**

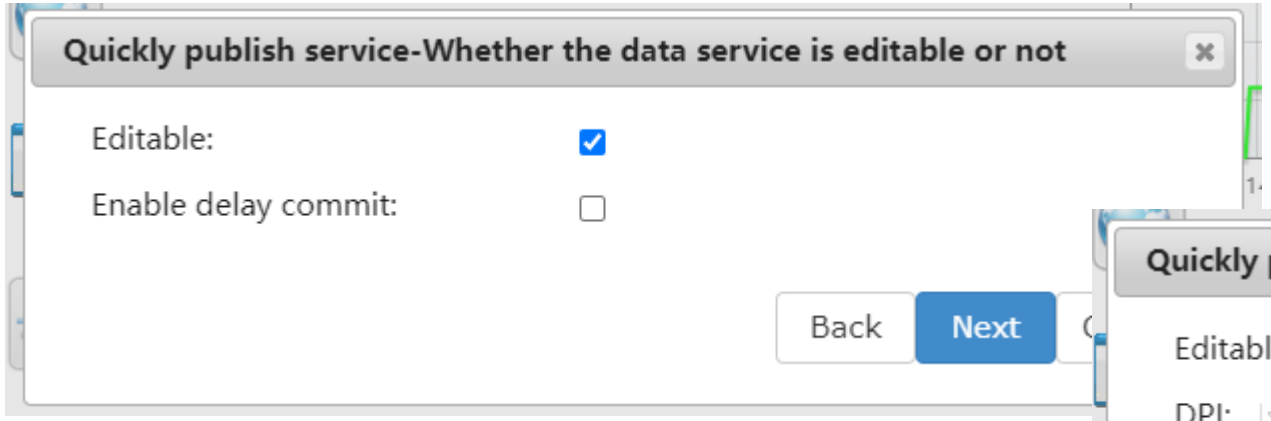


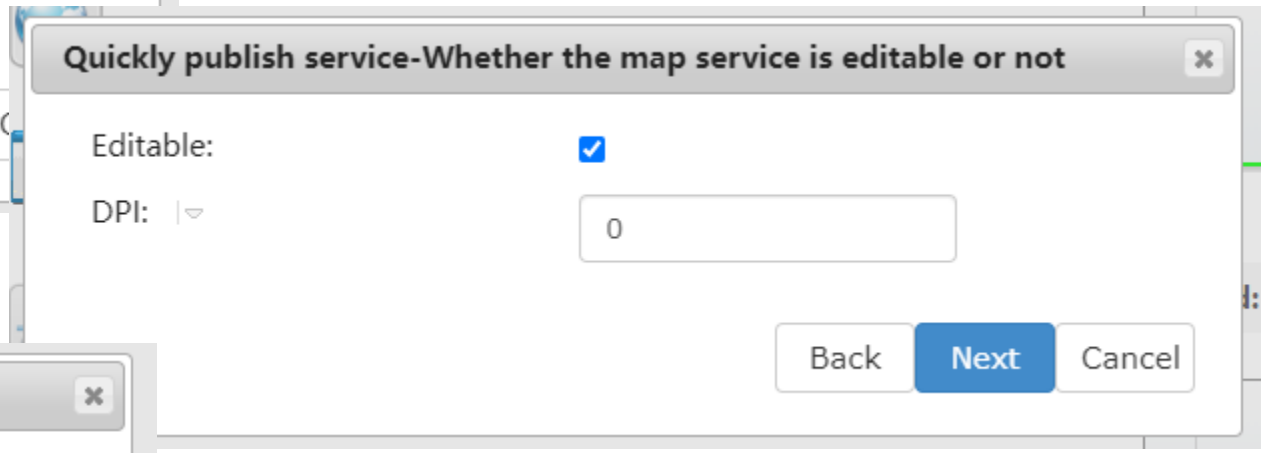
Select your remote .

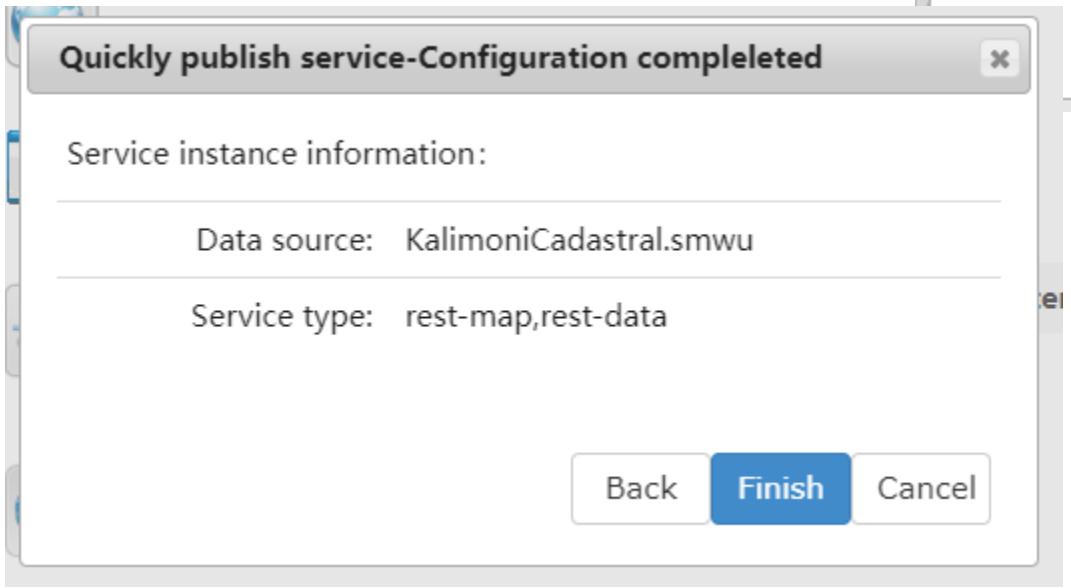
Select REST Map/Data Services for 2D cadastral Mapping



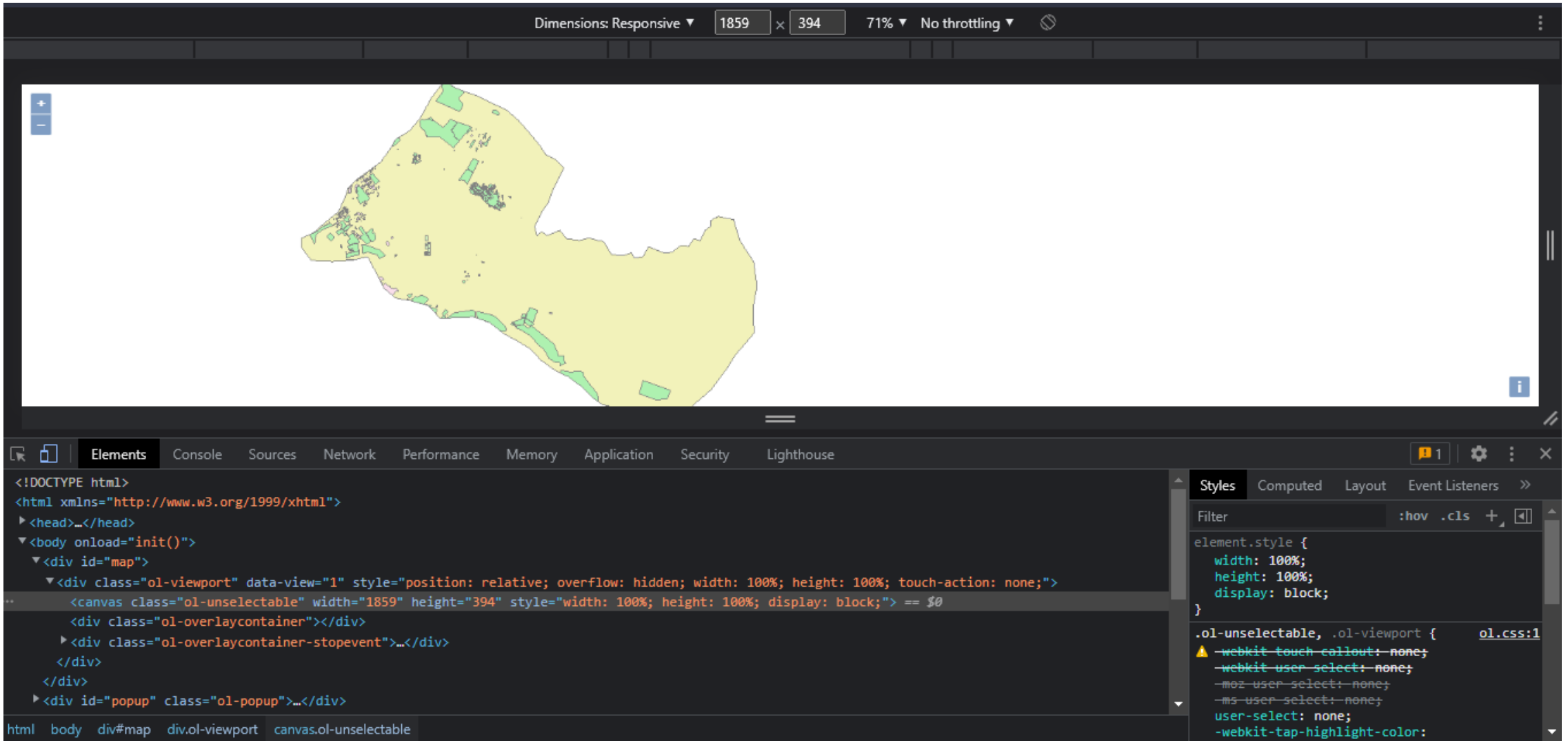
Enable Editable



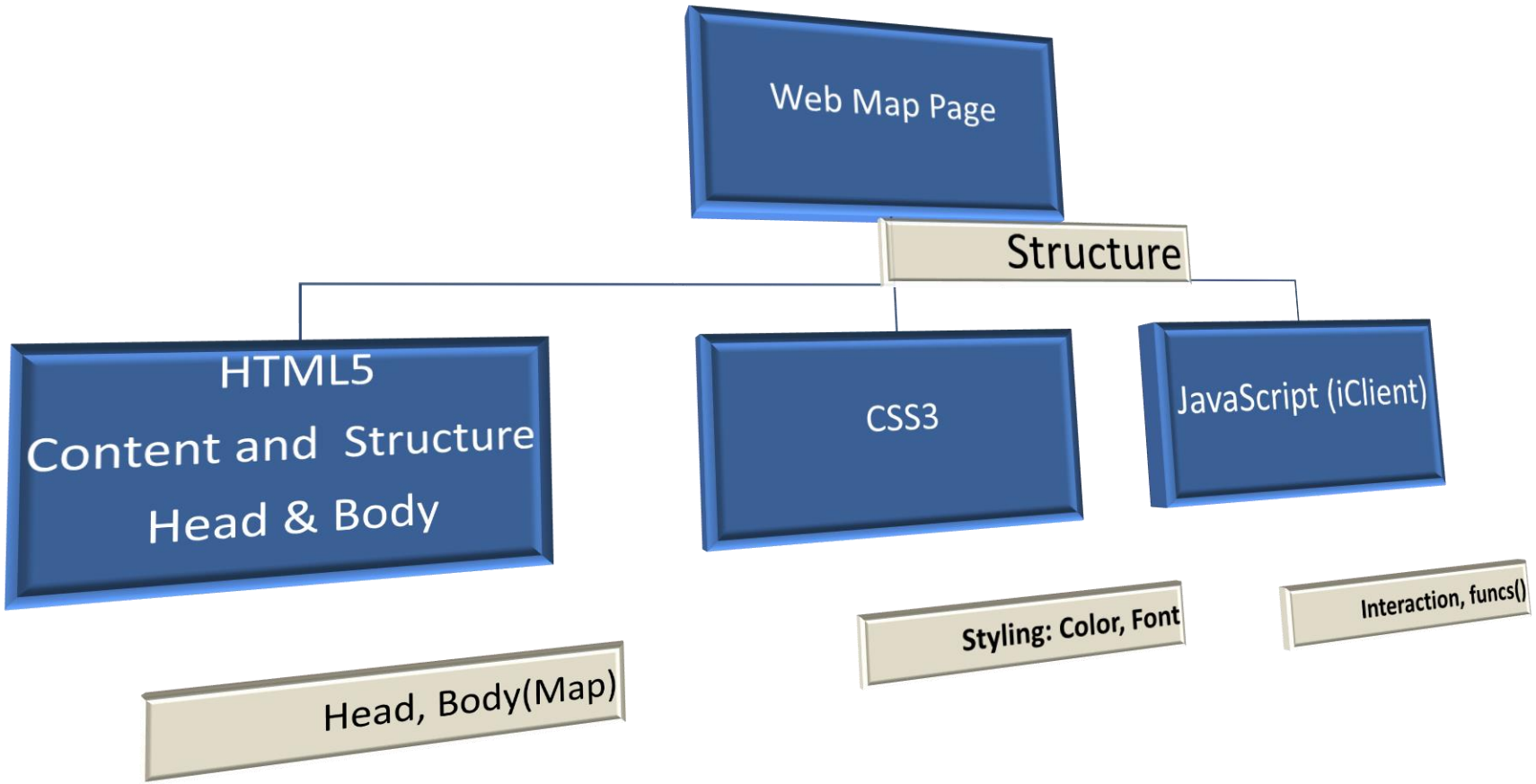




Preview and Inspect the Map Service in iClient



Basic Website structure



Daily 2: Homework

- **Ensure you're in the mailing list**
- **If not yet, fill this form.**
- **Download the OSM Landuse and buildings data**
- **Download Admin and Elevation data from DIVA-GIS**
- **Choose a study area of your interest, preferably your home county**
- **Process the data in iDesktop,**
- **Publish your result in iServer**
- **Take screenshots of the results and respond to email**
- **You should complete the daily homework before the next meeting**
- Read On: The connection of a simple Website and DOM manipulation, Basic JavaScript Functions.
- SoloLearn, MDN, Codecademy, CodeWars, W3Schools

Thank You !