POI-Search

Classes/ Files:

- ORS.Gui.Tool.SearchPoi.js (for arranging the visible parts of the search panel)
- ORS.Gui.SearchPoi in ORS.Gui.Search.js (for the logic to trigger requests)
- ORS.OpenLS.js (for building the actual requests and sending them to the service)

2 options

- Search for POI in visible map
- Search for POI along a given route

Search for POI in visible map

- Happens all in ORS.Gui.SearchPoi.observeSearchfieldInput()
- ORS picks the center point of the visible map
- ORS calculates the distance to the edges of the visible map
- ORS delegates this information to ORS.OpenLS.js to build the service XML request "within distance"
- The request is sent to the Directory service.
- ORS receives the results and displays them on the map.

Search for POI near route

- Checkbox "search near route" has to be checked
- Distance + measurement unit must be selected (warning is shown if selected distance to route exceeds 5000 meters. This is the max. supported value by the directory service)
- These checks are performed in ORS.Gui.SearchPoi. observeCheckbox() and .observeInputfield()
- In ORS.Gui.SearchPoi. observeSearchfieldInput(): Based on the points along the route (not just start and end point!) that are saved in the route object as olRepresentation and the entered maxDistance a new XML request is formed in ORS.OpenLS.js.
- This request is a BufferRequest that is sent to the WPS service.
- It returns a polygon with the selected distance around the given route.
- This polygon again is handed over to ORS.OpenLS.js to perform the actual POI request "withinBoundary"
- This request is sent to the Directory service
- ORS receives the results and displays them on the map.
- Note: the near route feature is not supported by POIbyName requests (no category like "mini golf" or "amenity")