

TASKS – 31.08.2020 – v.1.0

The development to do concerns the refinement and modification of the previously developed API.

Here are the tasks:

TASK 1	API CREATE				
API Name	readDataByArea				
Parameters	<ul style="list-style-type: none"> latU lonU latD lonD tipoDati 				
PARAMETERS DESCRIPTION					
latU	latitude of the point at the top left				
lonU	longitude of the point at the top left				
latD	latitude of the point at the bottom right				
lonD	longitude of the point at the bottom right				
tipoDati	<p>These are possible values:</p> <ul style="list-style-type: none"> pericolositaFrane pericolositaldraulica <p>Here are the specifications regarding the "tipoDati" parameter:</p> <table> <tr> <td>pericolositaFrane</td><td> <p>Tables:</p> <ul style="list-style-type: none"> "isp_frane" <p>Output:</p> <ul style="list-style-type: none"> a GeoTIFF file (multilevel) with a single level according the field "peric_ita" of table "isp_frane": <ul style="list-style-type: none"> "Aree di Attenzione AA" "Moderata P1" "Media P2" "Elevata P3" "Molto elevata P4" a JSON file with the structure defined in the file "05_pericolositaFrane.json" In the JSON file there are 2 fields for saving totale area: <ul style="list-style-type: none"> "layer_area": with the area of a single layer "totale_area": with the are of all layers </td></tr> <tr> <td>pericolositaldraulica</td><td> <p>Tables:</p> <ul style="list-style-type: none"> "isp_idraulica_p1" "isp_idraulica_p2" "isp_idraulica_p3" <p>Output:</p> <ul style="list-style-type: none"> a GeoTIFF file (multilevel) with a single level for each table: <ul style="list-style-type: none"> "Aree a pericolosita' idraulica bassa P1" (isp_idraulica_p1->scenariop1) "Aree a pericolosita' idraulica media P2" (isp_idraulica_p2->scenariop2) </td></tr> </table>	pericolositaFrane	<p>Tables:</p> <ul style="list-style-type: none"> "isp_frane" <p>Output:</p> <ul style="list-style-type: none"> a GeoTIFF file (multilevel) with a single level according the field "peric_ita" of table "isp_frane": <ul style="list-style-type: none"> "Aree di Attenzione AA" "Moderata P1" "Media P2" "Elevata P3" "Molto elevata P4" a JSON file with the structure defined in the file "05_pericolositaFrane.json" In the JSON file there are 2 fields for saving totale area: <ul style="list-style-type: none"> "layer_area": with the area of a single layer "totale_area": with the are of all layers 	pericolositaldraulica	<p>Tables:</p> <ul style="list-style-type: none"> "isp_idraulica_p1" "isp_idraulica_p2" "isp_idraulica_p3" <p>Output:</p> <ul style="list-style-type: none"> a GeoTIFF file (multilevel) with a single level for each table: <ul style="list-style-type: none"> "Aree a pericolosita' idraulica bassa P1" (isp_idraulica_p1->scenariop1) "Aree a pericolosita' idraulica media P2" (isp_idraulica_p2->scenariop2)
pericolositaFrane	<p>Tables:</p> <ul style="list-style-type: none"> "isp_frane" <p>Output:</p> <ul style="list-style-type: none"> a GeoTIFF file (multilevel) with a single level according the field "peric_ita" of table "isp_frane": <ul style="list-style-type: none"> "Aree di Attenzione AA" "Moderata P1" "Media P2" "Elevata P3" "Molto elevata P4" a JSON file with the structure defined in the file "05_pericolositaFrane.json" In the JSON file there are 2 fields for saving totale area: <ul style="list-style-type: none"> "layer_area": with the area of a single layer "totale_area": with the are of all layers 				
pericolositaldraulica	<p>Tables:</p> <ul style="list-style-type: none"> "isp_idraulica_p1" "isp_idraulica_p2" "isp_idraulica_p3" <p>Output:</p> <ul style="list-style-type: none"> a GeoTIFF file (multilevel) with a single level for each table: <ul style="list-style-type: none"> "Aree a pericolosita' idraulica bassa P1" (isp_idraulica_p1->scenariop1) "Aree a pericolosita' idraulica media P2" (isp_idraulica_p2->scenariop2) 				

		<ul style="list-style-type: none"> ○ "Aree a pericolosità idraulica elevata P3" (isp_idraulica_p3->scenariop3) • a JSON file with the structure defined in the file "06_pericolositàidraulica.json" • In the JSON file there are 2 fields for saving totale area: <ul style="list-style-type: none"> ○ "layer_area": with the area of a single layer ○ "totale_area": with the are of all layers