



## Use of SCC: Web Interface and API

Claudio Dema – [claudio.dema@cnr.it](mailto:claudio.dema@cnr.it)

**IR0000032 – ITINERIS, Italian Integrated Environmental Research Infrastructures System**  
(D.D. n. 130/2022 - CUP B53C22002150006) Funded by EU - Next Generation EU PNRR-  
Mission 4 “Education and Research” - Component 2: “From research to business” - Investment  
3.1: “Fund for the realisation of an integrated system of research and innovation infrastructures”



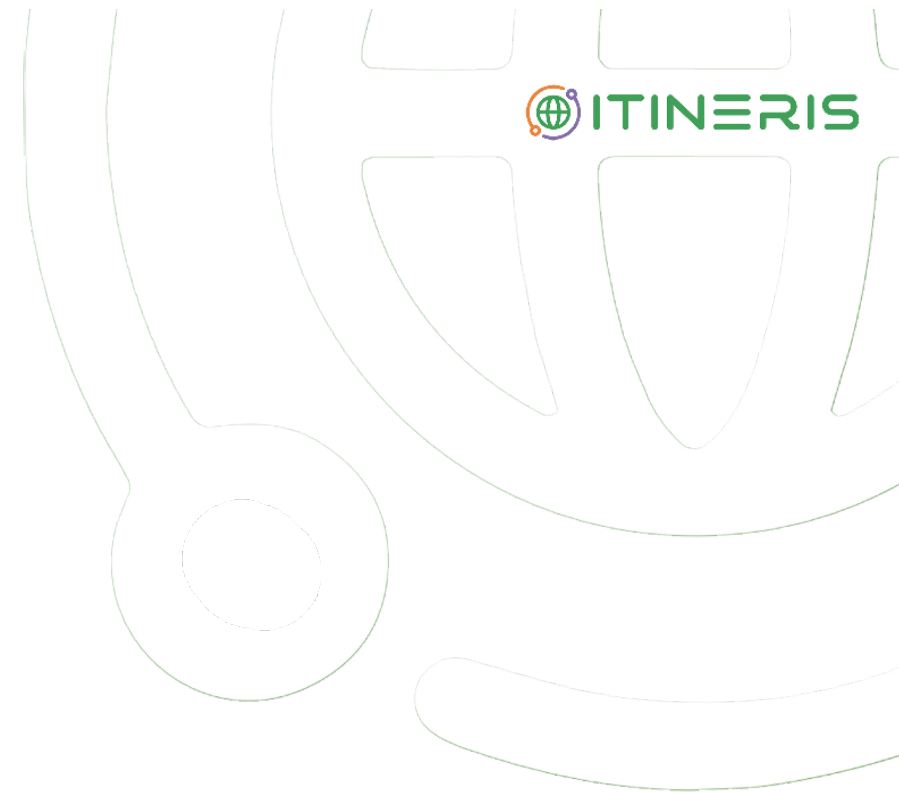
# Agenda

## SCC Web Interface

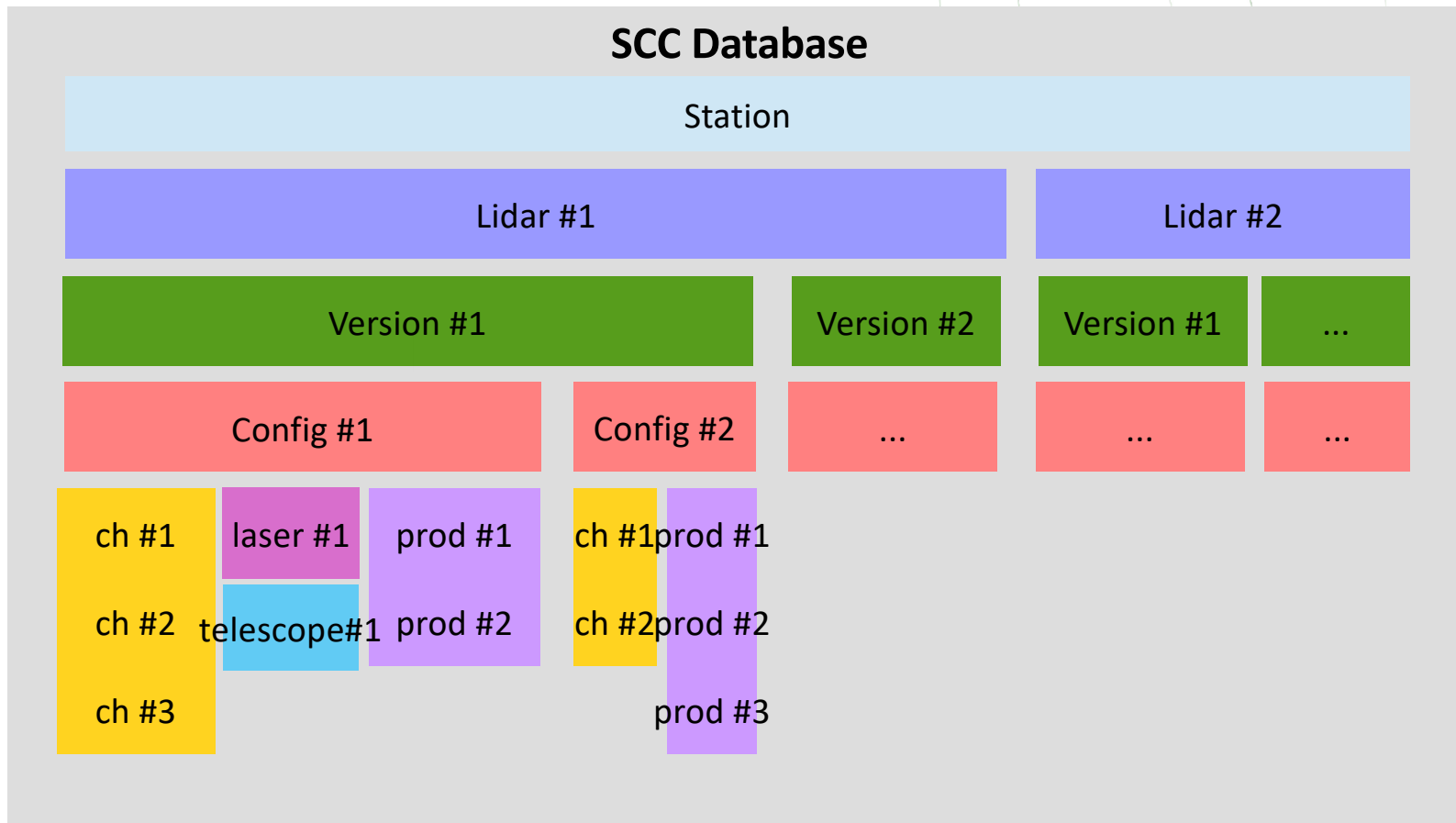
- Create a new lidar
- Create a new lidar configuration
- Process a measurement

## SCC API

- Get lidar metadata
- Get measurement metadata



# SCC Configuration



# SCC API

 <https://scc.imaa.cnr.it/api/v1/>

▼ lasers:	
list_endpoint:	"/api/v1/lasers/"
schema:	"/api/v1/lasers/schema/"
▼ lidar_configurations:	
list_endpoint:	"/api/v1/lidar_configurations/"
schema:	"/api/v1/lidar_configurations/schema/"
▼ lidar_versions:	
list_endpoint:	"/api/v1/lidar_versions/"
schema:	"/api/v1/lidar_versions/schema/"
▼ lidarratio_files:	
list_endpoint:	"/api/v1/lidarratio_files/"
schema:	"/api/v1/lidarratio_files/schema/"
▼ lidars:	
list_endpoint:	"/api/v1/lidars/"
schema:	"/api/v1/lidars/schema/"
▼ measurements:	
list_endpoint:	"/api/v1/measurements/"
schema:	"/api/v1/measurements/schema/"



## SCC API

### Get lidar metadata

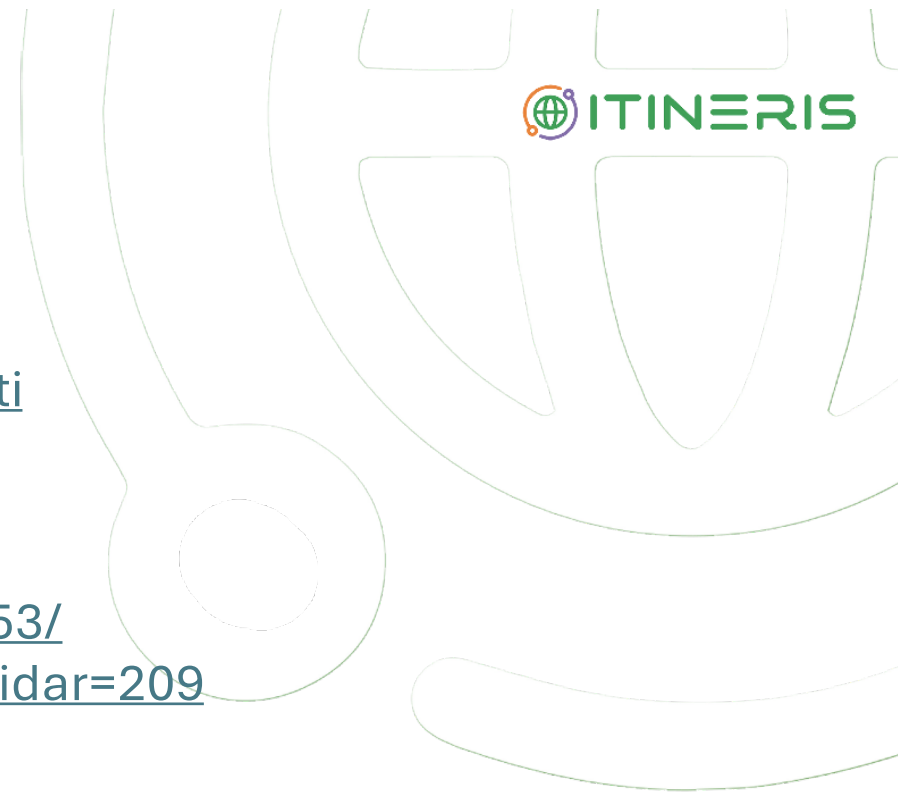
- <https://scc.imaa.cnr.it/api/v1/lidars/209/>
- <https://scc.imaa.cnr.it/api/v1/lidars/?station=iti>

### Get lidar version metadata

- [https://scc.imaa.cnr.it/api/v1/lidar\\_versions/253/](https://scc.imaa.cnr.it/api/v1/lidar_versions/253/)
- [https://scc.imaa.cnr.it/api/v1/lidar\\_versions/?lidar=209](https://scc.imaa.cnr.it/api/v1/lidar_versions/?lidar=209)

### Get lidar configuration metadata

- [https://scc.imaa.cnr.it/api/v1/lidar\\_configurations/914/](https://scc.imaa.cnr.it/api/v1/lidar_configurations/914/)
- [https://scc.imaa.cnr.it/api/v1/lidar\\_configurations/?station=iti](https://scc.imaa.cnr.it/api/v1/lidar_configurations/?station=iti)
- [https://scc.imaa.cnr.it/api/v1/lidar\\_configurations/?lidar\\_version=253](https://scc.imaa.cnr.it/api/v1/lidar_configurations/?lidar_version=253)



## SCC API

### Get channel metadata

- <https://scc.imaa.cnr.it/api/v1/channels/3023/>
- [https://scc.imaa.cnr.it/api/v1/channels/?string\\_id=iti022](https://scc.imaa.cnr.it/api/v1/channels/?string_id=iti022)

### Get product metadata

- <https://scc.imaa.cnr.it/api/v1/products/3116/>

### Get telescope metadata

- <https://scc.imaa.cnr.it/api/v1/telescopes/198/>

### Get laser metadata

- <https://scc.imaa.cnr.it/api/v1/lasers/193/>

## SCC API



### Get measurement metadata

- <https://scc.ima.cnr.it/api/v1/measurements/20241108iti1930/>
- [https://scc.ima.cnr.it/api/v1/measurements/?station=iti&start\\_gte=2024-11-08T19:00:00](https://scc.ima.cnr.it/api/v1/measurements/?station=iti&start_gte=2024-11-08T19:00:00)



# THANKS!

**IR0000032 – ITINERIS, Italian Integrated Environmental Research Infrastructures System**  
(D.D. n. 130/2022 - CUP B53C22002150006) Funded by EU - Next Generation EU PNRR-  
Mission 4 “Education and Research” - Component 2: “From research to business” - Investment  
3.1: “Fund for the realisation of an integrated system of research and innovation infrastructures”



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca

