



Universidad  
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Y MEDIO AMBIENTE



# Eubrewnet Configurations

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# Introduction

- Station Configuration
- New Configuration Interface
- Automatic Processing
- AOD and UV based on files
- Blacklist
- Online Example

# Station Configuration

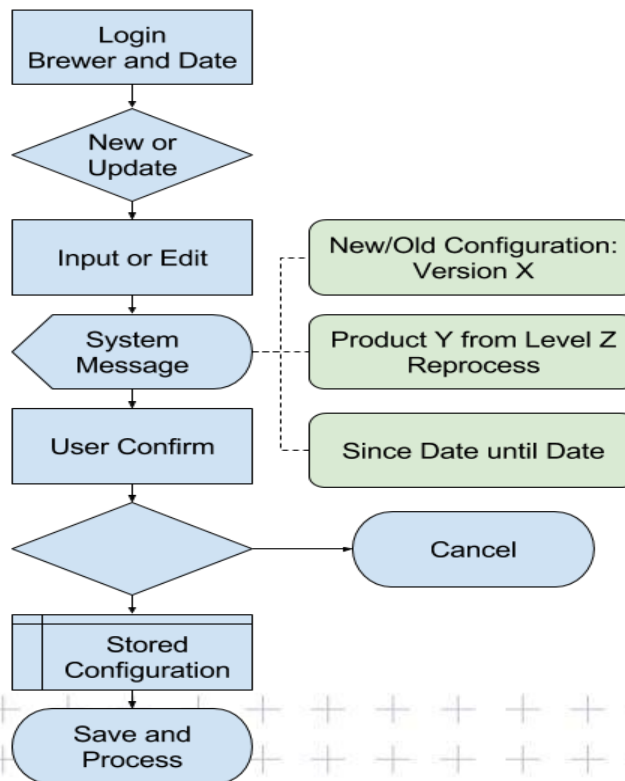
Izana May the 13<sup>th</sup>, 2016

Station Info	<a href="#">Modify Station Info</a>
Location	Lat: 28.308 Lon: 16.499 Alt: 2370.0
Principal investigator	Alberto Redondas (aredondasm@aemet.es)
Brewers	157 183 185
GAW ID	IZO
GO3OS	300
WMO ID	0-20008-0-IZO
WOUDC DAILY DATA SENDING	NOT ENABLED
Description	

# New Configuration Interface

- Make it easy
- File upload / User input
- Version Control
  - Allow users to change their configurations vs Traceability
  - Manage during Configuration upload
  - Simply to recover an old configuration

# Configuration Flowchart



# Configuration Interface

- Actions, Configuration Information and Available Configurations

<b>Brewerid</b>	<b>Date</b>	<b>New</b>	<b>Modify</b>	<b>Download</b>
300 ▾	2016-05-16	Add new Configuration	Modify Configuration	Download Configs

Field	Value
date	2016-05-16
version	1.0
modify_date	2016-05-16 09:52:15
operator	bhcruz
id	1042

## Available configurations

2016-04-01

2016-05-16

# Configuration Upload

- Actions and File Upload

Current User	Brewerid	Date	Modify Date	Operator	Operative	Level 2
bhcruz	300	2016-05-11	2016-04-01 13:27:20	bhcruz	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="button" value="Upload ICF"/>	<input type="button" value="Upload O3Brewer"/>	<input type="button" value="Upload ZSF"/>			<input type="button" value="Submit Changes"/>	<input type="button" value="Go Back"/>

**1. Config File**

No se ha seleccionado ningún archivo.

**2. Upload File Content**

**3a. Exit without saving**

**3b. Set values in Configuration and exit**

# Configuration Upload

- Versions

2016-05-16 11:48:38  
 bhacruz  
 (CURRENT OPERATIVE)

2016-05-16 09:52:15  
 bhacruz

Hide differences with Operative

Field / Modify Date	2016-05-16 11:48:38	2016-05-16 09:52:15
operator	bhacruz	bhacruz
operative	True	False
modify_date	2016-05-16 11:48:38	2016-05-16 09:52:15
v2	False	False
id	1045	1042
operative	True	False
o3o3rate	0.344	0.342
version	2.0	1.0
modify_date	2016-05-16 11:48:38	2016-05-16 09:52:15
id	1045	1042



# Configuration Upload

- Value Tabs and Panels

## Values to be submitted

O3/SO2

AOD

Umkehr

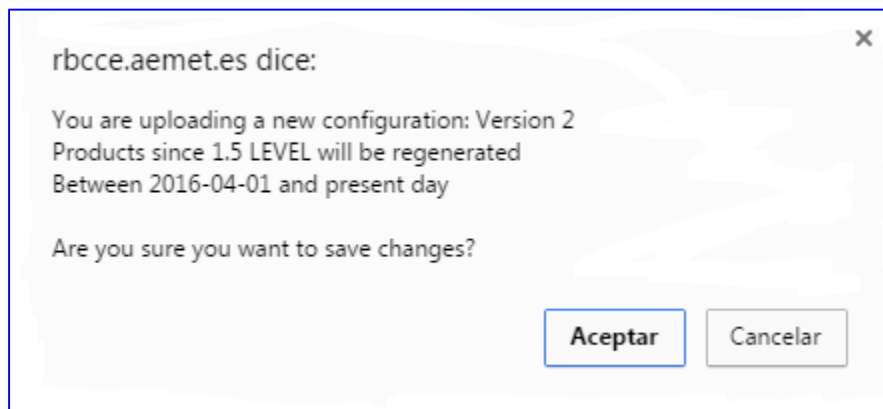
Data and Metadata

NO2

Setup	Algorithm	Instrumental Constants		
DS Setup				
Ozone	ETC O3 1551.0	O3 Ratio on O3 0.342	R6 Reference 600.1	SL test O3 correction and recalculation <input checked="" type="checkbox"/>
SO2	ETC SO2 185.0	O3 Ratio on SO2 1.15	SO2 Ratio on SO2 2.35	R5 Reference 350.1
Filters	O3 DS <input checked="" type="checkbox"/>	Max STD 2.5	MU DS,ZS <input checked="" type="checkbox"/>	Value 3.5
Straylight (A*OSC*B)	A 0.0	B 0.0		
Instrumental	Deadtime 3.2e-08	WL cal step number 285	GI calibration factor <input type="text"/>	

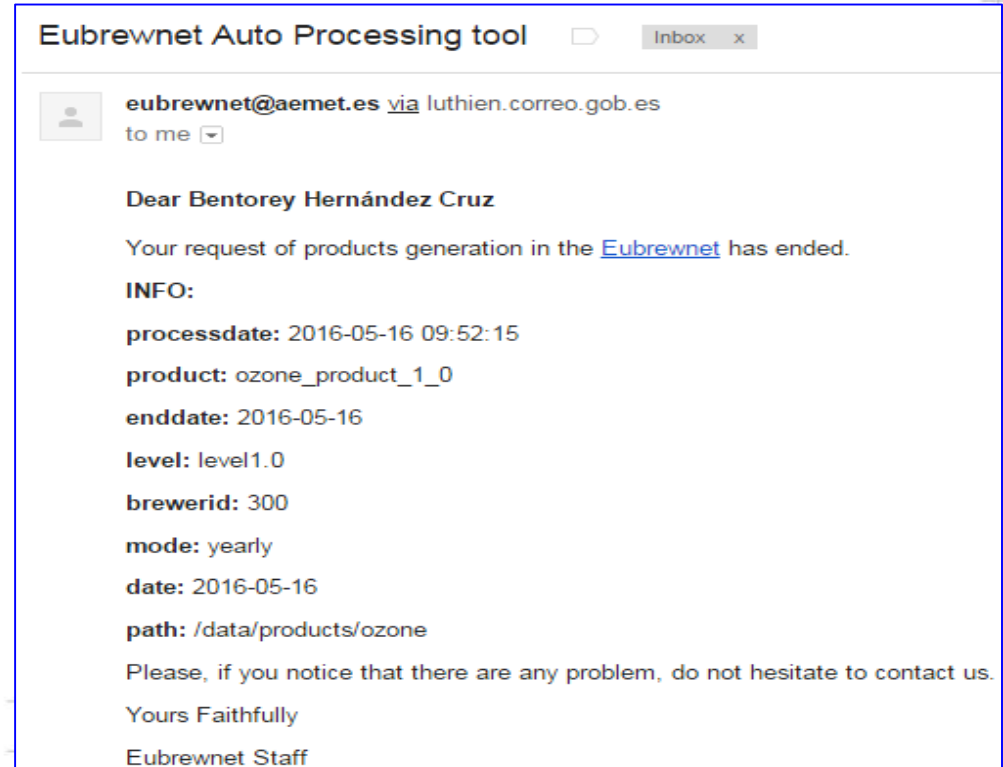
# Configuration Upload

- Submitting Changes



# Automatic Processing

- Automatic Queue based on:
  - Product Level
  - Time of the request
- Automatic mail sent when the task are finish.



# UV and AOD Config files

- Different file types
  - Cosine Response
  - Temperature correction
  - UVR
  - AOD Calibration file
- Format
  - Fields separated by spaces with fixed positions
  - “#” Escape character for Column names and units
  - For missing values: NaN

# File examples

```
# Example of UV Temperature correction file
# wavelength correction
# degrees degrees # nm .
Lowtemp Hightemp
W1 c1
...
# second range
...
```

```
# Example of Cosine response file
# Angle correction
# degrees n/a
a1 c1
...
```

# File examples

```
# AOD configuration file
# slit callstep wavelength ...
# n/a n/a nm nm...
0 1024 303.2 0.6 ....
2 1024 306.3 0.6 ...
3 1024 ....
4 ...
5 ...
6 ...
0 callstep2 ...
2 callstep3 ...
...
```

- File examples will circulate in a near future

# Example

Log in (if you have no user u: azores, p: azowork)

# The RBCC-E Team



- Alberto Redondas (AEMET)
- Alberto Berjon (ULL, ATMOZ)
- Javier López Solano (ULL, IDEAS)
- Bentorey Hernández (ULL, PANDONIA)
- Virgilio Carreño (AEMET)
- Manuel Rodríguez Valido (ULL)
- Daniel Santana (ULL, PANDONIA)
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# The RBCC-E Team

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# Thank you