# RPW Calibration Softwares Test
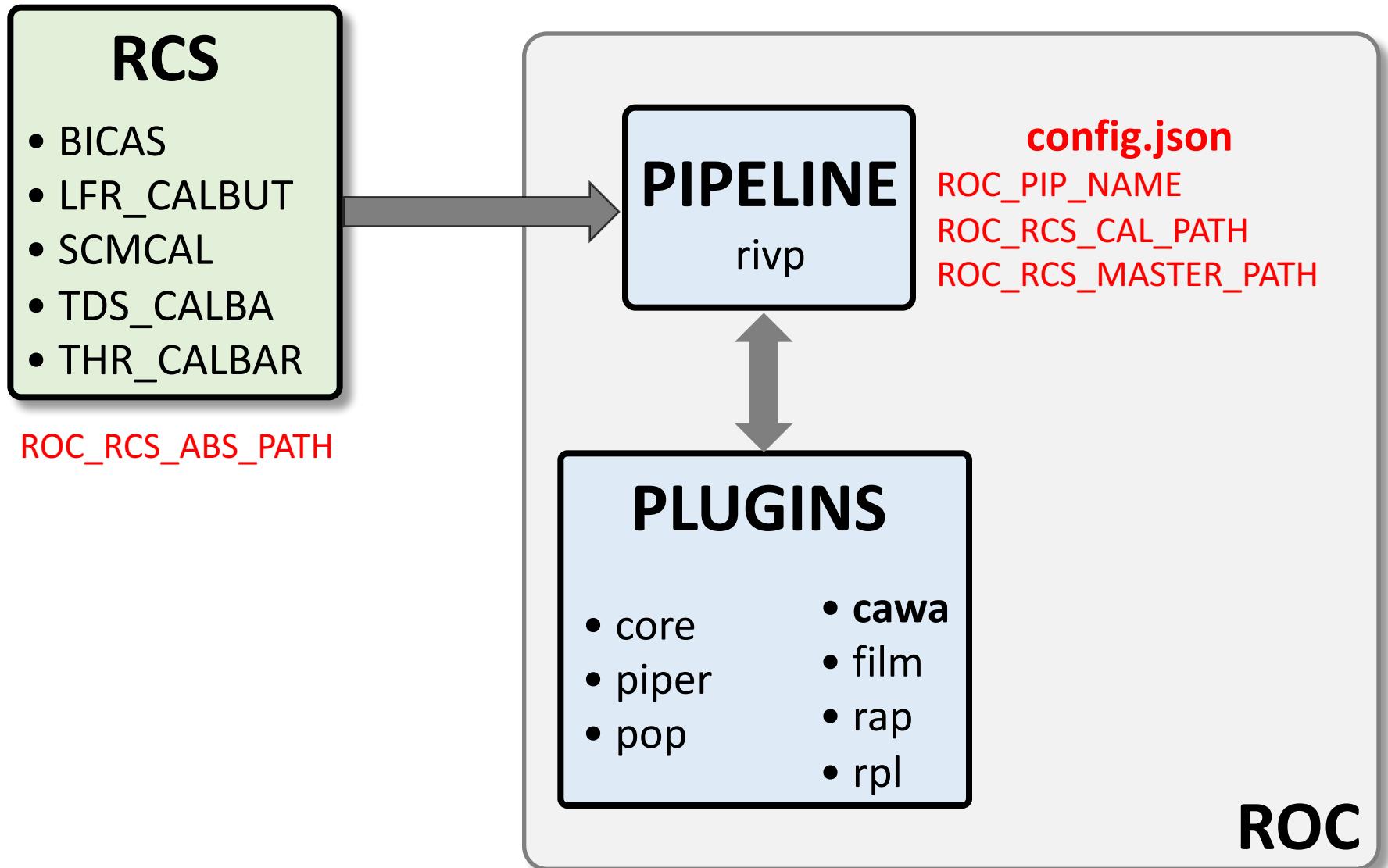
- Xavier BONNIN
- Sonny LION
- **Quynh Nhu NGUYEN**

# ORGANIZATION



**RCS**
- BICAS
- LFR_CALBUT
- SCMCAL
- TDS_CALBA
- THR_CALBAR

ROC_RCS_ABS_PATH

**PIPELINE**

rivp

**config.json**
ROC_PIP_NAME
ROC_RCS_CAL_PATH
ROC_RCS_MASTER_PATH

**PLUGINS**
- core
- piper
- pop
- **cawa**
- film
- rap
- rpl

**ROC**

# RCS Configuration

On roc-dev.obspm.fr server :

**1. Clone your repository**

**2. Add to your .bashrc**

export ROC_RCS_ABS_PATH=/path/to/RCS

<span style="color:red">export ROC_RCS_CAL_PATH=/opt/roc/data/CAL</span>

<span style="color:red">export ROC_RCS_MASTER_PATH=/opt/roc/data/DataPool/SOLO/RPW/CDF/Master</span>

source /opt/roc/bin/load_cawa.sh

- <span style="color:red">These environment variables are also set by the pipeline :</span>

/opt/roc/pipelines/rivp/config.json

ROC_PIP_NAME

ROC_RCS_CAL_PATH

ROC_RCS_MASTER_PATH

**RCS Test**

```
$ROC_RCS_ABS_PATH/bin/rcs_exe.sh  --version
$ROC_RCS_ABS_PATH/bin/rcs_exe.sh  --identification

$ROC_RCS_ABS_PATH/bin/rcs_exe.sh mode1
     --input_sci $INPUT_DATA/SOLO_L1R_*_V01.cdf
     --input_hk $INPUT_DATA/ROC-SGSE_HK_*_V01.cdf
     --output_sci  $OUTPUT_DATA/SOLO_L2_*_V01.cdf
     --config $ROC_RCS_ABS_PATH/config/rcs_configuration.json
     --log $OUTPUT_LOG/mode1.log
```

**RCS Test with CAWA**

```
$ load_cawa

$ run_cawa $ROC_RCS_ABS_PATH mode1
     --inputs input_sci $INPUT_DATA/SOLO_L1R_*_V01.cdf
              input_hk $INPUT_DATA/ROC-SGSE_HK_*_V01.cdf
     --outputs output_sci  $OUTPUT_DATA/SOLO_L2_*_V01.cdf
     --ext_sw_config $ROC_RCS_ABS_PATH/config/rcs_configuration.json
     --ext_sw_log $OUTPUT_LOG/mode1.log
     -ll INFO

$ unload_cawa
```

# Demonstration…