

Flash update on:

**The GRUAN Task Team on
Ground-Based Remote Sensing Measurements (TT-GB)
and
The GRUAN Lidar Product**

Thierry Leblanc

Nico Cimini

TT-GB oversee the production and integration of ground-based remote sensing techniques MWR, FTIR, and lidar, in compliance with GRUAN best measurement practices

Co-chairs:

Nico Cimini, CNR-IMMA, Italy

Thierry Leblanc, JPL-Caltech, USA

Members:

Member	Institution	Country	Expertise	Site
Arnoud Apitouley	KNMI	Netherlands	Lidar	Cabauw
Maria Cadeddu	ANL	USA	MWR	ARM SGP
Jonathan Gero	Univ. Wisconsin	USA	AERI	ARM SGP
Jim Hannigan	NCAR	USA	FTIR	Boulder
Christine Knist	DWD	Germany	MWR	Lindenberg
Fabio Madonna	CNR-IMAA	Italy	Lidar, MWR	Potenza
Gianni Martucci	Meteoswiss	Switzerland	Lidar, MWR	Payerne
Christoph Ritter	AWI	Germany	Lidar, MWR	Ny-Alesund
Matthias Schneider	KIT	Germany	FTIR	Tenerife
Michael Sommer	DWD	Germany	GRUAN LC	Lindenberg

“Kick-off” meeting on November 30, 2020:

Finalize ToR

Review current actions and define new ones (2021)



Not much “GRUAN-dedicated” work in 2020 due to significant disruption of normal business (covid, data re-analysis projects, proposals, local wildfires...)



In 2020, data processor (GLASS) went from development to production stage



Raw data automatically transferred from Payerne to processing center (JPL-TMF)



Test data from Payerne, Ny-Aalesund, Cabauw lidars now ingested (together with many other lidars on non-GRUAN sites)



No progress in auto data transfer set up from other sites (Cabauw, Ny-Aalesund) (more/better response needed from site lidar representatives!)



Homogenization of meta data (e.g., through LidarRunClient) requires dedicated manpower, not available at this time



No progress in the (LC-suggested) raw data conversion to NetCDF

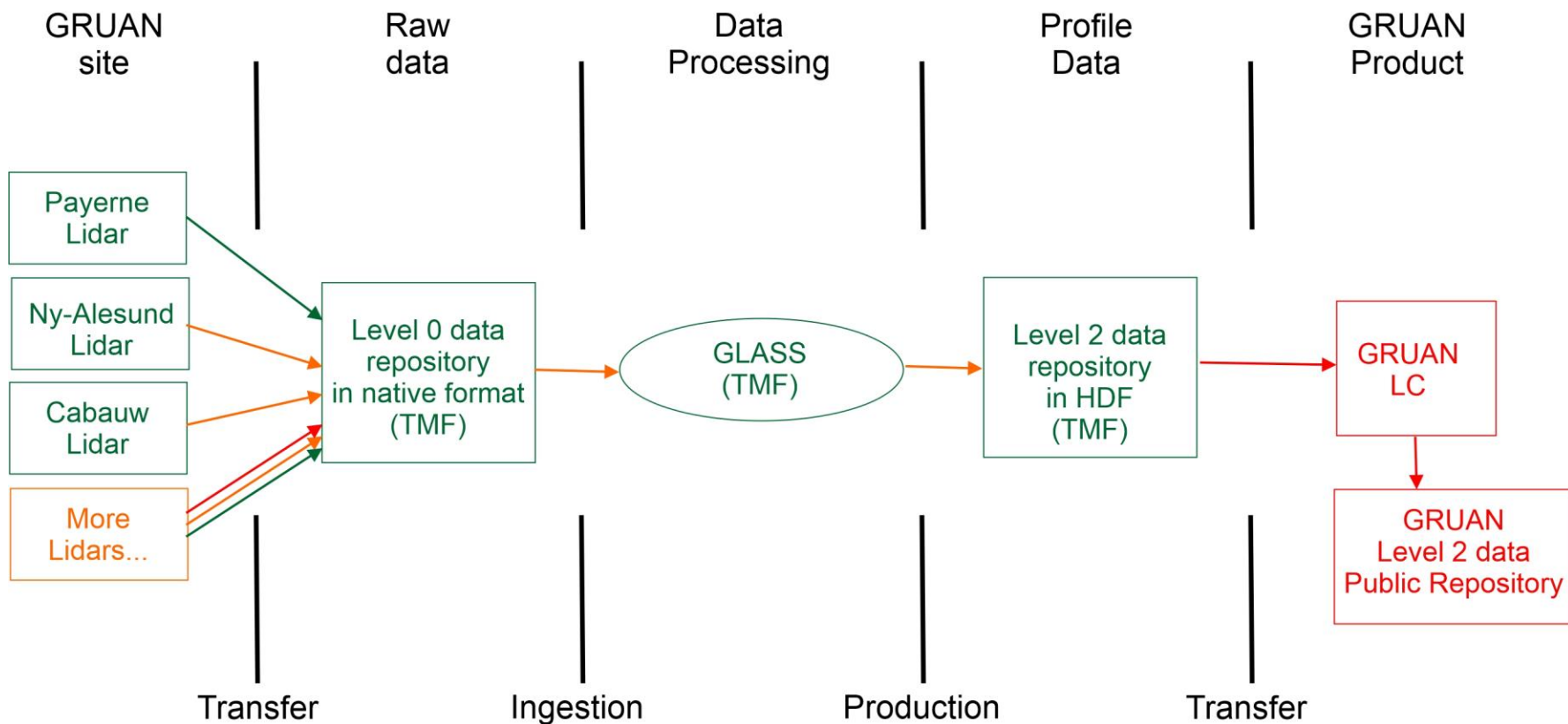


No progress in the setup of automated raw data transfer to GRUAN LC

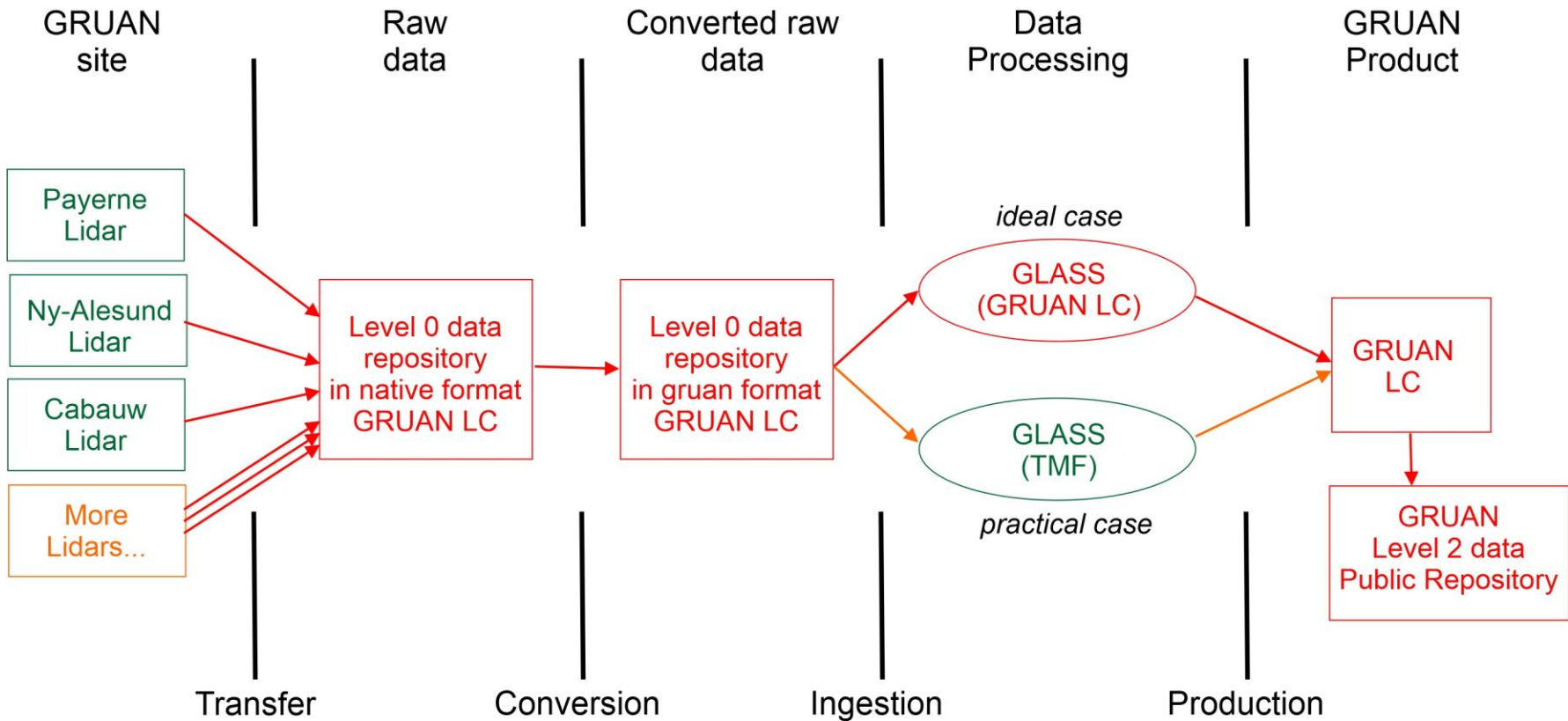
green = Operational and/or automated

orange = Has happened, on a case-by-case basis, need to gear up

red = Not in place, need serious work efforts



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 red = Not in place, need serious work efforts



1. Secure **automated** data transfer from Ny-Aalesund, Cabauw lidar sites
2. Initiate **systematic** data processing for Payerne (...and other sites?)
3. **Foster** GRUAN LC involvement in data production chain

→ New TT-GB Members with expertise in lidar should **actively** contribute to items 1 through 3, and hopefully more...